

**Landscape of Research Output of
Universities and other Research
Institutes in India**

**A Report based on
Indian Citation Index**

2015

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Foreword

There can be several ways of looking at the research output of a nation. The most visible and tangible proof of the competitiveness of research by any community is the level and kind of new products and services it is able to create for the betterment of its people. Another way is looking at the citation count of research papers. While most international indices look at citation count in international journals, citations in local journals often get overlooked. A citation index for Indian journals has been the crying need of the hour and I am happy to see this need fulfilled.



The aim of the present study is to look at the research output of our institutions on the basis of citations in Indian journals. There are several reasons why this perspective is important and this study adequately analyses them. The timing for such a study is ripe since India is now working on its own national rankings of academic institutions. While they will cover all aspects of higher education, from both input and output side, indices of the kind presented in this report will provide another, supplementary perspective on our institutions. The analysis groups institutions of similar lineage and size, such as IITs, NITs, Central Universities, State Public Universities, Deemed Universities and State Private Universities.

This is the first edition of what is proposed to be an annual publication and has been conceptualized by the Confederation of Indian Industry (CII) to assist policy makers in analysing the impact of research funding provided to academic institutions. I would like to thank and congratulate the entire team at Indian Citation Index (ICI) for helping with the analysis and presenting such an exhaustive and comprehensive report.

Vijay Thadani

Chairman, CII National Committee on Higher Education &
Vice-Chairman & Managing Director - NIIT Limited &
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Highlights

The report is a first time endeavor to landscaping of research productivity of Indian universities and institutes based on 'Indian Citation Index (ICI) data 2004 -2014.

The report in addition to background, objectives, scope, and methodology, etc. contains four sections, namely Journals Published from India; Analyze Citation Trend of Journals Published from India; Relative Standing or Position of Indian Institutes/Universities; and Research Journals Published from India.

It broadly lists the number of higher educational institutions in the country and indicates the lacunae of journals publishing quality in terms of presentation, language, and rigor, etc., published from India and foreign journals respectively.

There is visible difference in periodicity of journals published from foreign countries and India. Foreign journals with Half Yearly, Quarterly, Bimonthly, Monthly, Fortnightly, Weekly, are on higher side than than that of India. Journals of Indian origin are relatively more with Half Yearly & Quarterly frequencies and there is no research journal available with Weekly, (52 Issue/Annum), 5 Issue/Annum, 8 Issue/Annum, 10 Issue/Annum, 14 Issue/Annum, and Irregular (No defined Frequency) in Indian Citation Index (ICI).

As we all know that science/ knowledge is universal but its applications are used to deal with issues of local and applied nature. Following this premise, scholars are in general free to work with physically or remotely and publish their work in journals, etc. across the globe irrespective of institutes and countries location. It is known as collaborative work that may be national or international. The collaborative research articles published in journals of Indian origin and indexed in Indian Citation Index (ICI) are 629840 from 174 countries and citations received to them are 347454. Here, the number of articles count exceeds to total source articles available in ICI database. This is because there are multiple authors to an article which may belong to different countries but as a count that single article/citation will be counted for each author and country too.

The top ranking countries having more than 2000 collaborative research articles are 17 in number. The collaborative articles of these countries in order of their ranking are from: China (14790), United States of America (14363), Iran (12131), Nigeria (6966), Turkey (6954), United Kingdom (5369), Malaysia (4223), Saudi Arabia (3801), Egypt (3446), South Africa (2840), Japan (2793), Canada (2585), South Korea (2516), Pakistan (2438), Australia (2415), Germany (2399), Bangladesh (2346) and rest have less than 2000 articles in collaborative research output published in journals of Indian origin.

For citations received to collaborative articles from different countries, there are only six countries which have received more than 2000 citations, viz: USA (7402), Iran (3396), China (3011), UK (2779), Turkey (2774), Nigeria (2077) and rest 168 countries have received less than 2000 citations.

The articles published from India in Indian and foreign journals are 52.35% and 47.76% respectively. First time, this report has defined the characteristics of 'International' and 'National' or Local journals to remove existing misconceptions of the people and set out the required quality parameters of scholarly works.

Apparently, higher learning institutes/universities, etc. need 12 to 15 years time span in getting maturity and achieving desired goals of research and innovation. Keeping this factor in mind, and have a level playing field for comparison and evaluation, the IITs, NITs, Universities, etc. established till the year of 200 are grouped as category 'A' and IITs, NITs, and Universities established from 2001 onwards are grouped in 'B' category.

The 'Engineering Science and Technology' and 'Chemistry' are the two subjects wherein all the IITs have made good, consistent, and visible contributions relative to other subject categories. However, in the subject category of 'Engineering Science and Technology, IIT Roorkee stands at first position with 470 research papers, followed by IIT Madras with 425 research papers, and IIT Kharagpur with 404 research papers and occupy second and third positions respectively. The category 'B' IITs (established from 2001 – 2014) contribution looks very insignificant as none of the IITs of this category published even 50 research articles. This clearly indicates that any academic institution of higher education needs 12 – 15 years gestation period.

NITs core subject is 'Engineering Science and Technology' with 1580 research papers, followed by Chemistry with 532 research papers, & Material Science with 355 research papers. After the core subjects, NITs have made good contribution in four subjects, i.e. Physics with 214 research papers, Environmental Science with 245 research papers, Earth and Geological Science with 216 research papers and Computer Science and Technology with 225 research papers. NITs of 'B' category similar to IITs 'B' category did not make visible contribution and that seems to be of their age. The NIT Delhi, NIT Goa, NIT Meghalaya, NIT Mizoram and NIT Nagaland did not have contribution of even a single research paper and all these five NITs established in the year 2010.

The research productivity of Central Universities is relatively better and among 'A' category, University of Delhi is on top with 1993 articles followed by AMU with 1968 articles, BHU with 1766 articles, University of Allahabad with 1199 articles, Dr. Harisingh Gour University (HGU) with 1054 article, and so on. In terms of citations received, AMU occupy top position with 1290 citations, followed by BHU with 1269 citations, University of Delhi with 1161 citations, and so on. Category 'B' did not make much visible contribution.

Among State Universities, Punjab Agricultural University (PAU) is on top with 6210 articles and 4335 citations, followed by Annamalai University with 5222 articles and 3619 citations. In case of 'B' category State Universities, first five positions in terms of articles and citations are occupied by Junagadh Agricultural University (JAU), Anand Agricultural University (AAU), Guru Angad Dev Veterinary and Animal Sciences University (GADVASU), University of Agricultural Sciences Raichur (UAS Raichur) respectively, and Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya (RVSKVV). These are all Agricultural Universities, whereas in case of general universities research productivity is low.

Deemed Universities are making good contribution and first three positions in rank are occupied by ICAR institutes, i.e. IARI, IVRI and NDRI with 6910, 4124, 3016 articles and 7985, 2614, 2236 citations respectively. Category 'B' Deemed Universities have low research productivity.

Private Universities have come up in good number but their research articles share is very low. There are only two universities which have contributed more than 400 research articles, i.e. S R M University (SRMU) with 440 articles and 113 citations, and Presidency University (PU) with 416 articles and 264 citations. Presidency University output in terms of quality is on top in 'A' category. Among 'B' category private universities research output in terms of quantity and quality is low as only two universities have made more than three hundred articles contribution.

In India, about 1200 – 1300 good peer reviewed journals covering all subjects are available and considered indexable in Indian Citation Index (ICI). Currently, 900 + journals of all subjects are indexed with data depth of 2004 onwards. A list of Journals indexed in ICI along with subject category and their respective publisher (s) is given to understand all from different angle.

The top 10 States in terms of journals publishing are, Delhi (369), Maharashtra (148), Uttar Pradesh (68), West Bengal (59), Tamil Nadu (47), Karnataka (37), Andhra Pradesh (25), Kerala (24), Rajasthan (21), Madhya Pradesh (20). There are 11 States, viz: Andaman and Nicobar Islands, Arunachal Pradesh,

Chhattisgarh, Dadra and Nagar Haveli, Daman and Diu, Goa, Lakshadweep, Manipur, Mizoram, Nagaland, Tripura which do not publish any journal.

Ten Cities of India, i.e. Delhi (42), New Delhi (327), Mumbai (112), Kolkata (57), Bengaluru (25), Chennai (25), Hyderabad (16), Pune (13), Muzaffarnagar (13), Lucknow (11), Bhopal (10), Allahabad (10), and Agra (9) have published ~ 75% of total journals and 25% from rest of 127 total Cities. Also, over 215 journals of Indian origin have been acquired and published by foreign publishers.

To evaluate and measure performance of institutes and universities various tools, techniques and rating agencies from different parts of the world have come up with different data sets and techniques but these are not suitable to the ecology of our institutes and universities. Therefore, for performance evaluation and measurement, we need to have our own system and data sets like 'Indian Citation Index' to produce realistic results.

Background

Research and innovation are the results of knowledge continuum of human endeavors from the beginning of human civilization. Knowledge assets are visible, countable and tangible indicators of knowledge strength of a country and people's prosperity thereof. The stake holders and actors of knowledge generation assets primarily work in higher education system of the country and broadly comprise universities, R&D institutions, and other academic establishments.

The basic aim of research is to discover and develop methods and systems for advancement of human knowledge. In India higher education system deals with teaching, research, innovation and training which in turn aim to foster academic excellence, develop scientific temperament & ecosystem, industrial innovation and entrepreneurship. Hence, to draw a competitive landscape of Indian research institutes and universities, the required data of 2004 to 2014 has been extracted from 'Indian Citation Index (ICI)'.

India has a large number of academic and research institutes/universities¹, like – Central Universities – 45*, Deemed Universities – 129*, State funded Universities– 297*, Private Universities – 100*, Other University level Institutes – 65*, R&D laboratories and institutes under various government departments and apex bodies like CSIR, ICAR, ICMR, DBT, ISRO, DAE, DRDO, DST, MoES and similar many others which numbers 407*.

Research scholars, faculty associated with academic and research institutes and universities primarily deal with teaching, research, training in their area of study & expertise. Research output in the form of research articles, review articles, short communications, editorials, special papers, opinion papers, case studies, research reports, etc. are a direct and straightforward measure to understand the research capacity, capability, and strength of an institute/university. However, for this study and analysis, we are taking research papers and all other above mentioned types of research output that appear in journals published from India.

Academics place emphasis on research and publication, not only because it is presumed that research enriches teaching and learning process and contributes to the body of knowledge, but also because it is a major determinant indicator of institutional prestige^{2, 3}. Research output is beneficial to every nation because prosperity, wealth generation and economic progress of a nation are directly proportional to the extent of research & technology carried out in that country. Apparent observation based on global data to this effect is that the nation's whose research output is relatively higher, are relatively advanced, prosperous and wealthy in the comity of nations. It may be stated that knowledge has been a significant element in the life of all societies. However, in case of developing countries it might well be that indigenous knowledge rather than that contained in the world's stores of information is likely to be more relevant⁴. Also, capacity to utilize knowledge is fundamental in furtherance of knowledge generation and growth of an organization, individual, region, and country as a whole. Stocking knowledge either by individuals, institutions in whatever form is of no consequence.

Bibliometric analysis is a productivity count, which is descriptive and involves countries, institutions, time periods and disciplines or subjects while literature usage count is evaluative involving reference and citation⁵. Here for this study, we have used bibliometric methods and applications to find out the extent of research output of academic/higher education establishments of India in terms of research articles and counts of similar material contributed by researchers during the period of 2004 to 2014.

A count has been made of the number of the articles published during 2004 – 2014. Another way is citation analysis, which involves counting the number of citations related to institute/university faculty work⁶. To do all this kind of evaluation study, data has been extracted from 'Indian Citation Index (ICI)' database. Similar surveys and studies have already been done⁷with respect to universities, such as the Times Higher Education Supplement, World University Ranking 2006.

They take WoS data as crucial determinants of quality of faculty, universities and countries. But scientists/faculty from developing countries publishes their research papers in national/local journals too, being of applied nature, but this is rarely indexed in WoS. Therefore, evaluation of developing and other countries' research output based on WoS data is inadequate. It needs to be supplemented by the data of respective country's national citation database which adequately indexes journals of all subjects emanating from that country. Applied research of a local nature is rarely cited even when published in the mainstream journals⁸.

Rankings

Rankings generally spark competition among the stake holders. They may have strengths and weaknesses. Some may argue that competition indirectly improves overall quality in the higher education system. Others may argue that the same competitive forces skew institutional policies in ways that might cause college or university personnel to work against their own missions. Ranking of institutes/universities is a relative position based on defined parameters. In this study we are investigating relative position of institutes/universities based on multivariate approach, like institutes/universities-wise article count, citation count, city-wise articles and citation count, subject-wise quantitative & qualitative strength of institutes/universities, state-wise quantitative and qualitative research productivity, etc. Higher education institutions/universities in India largely vary in their focus, infrastructure, funds, local orientation, faculty, and other required resources.

Ranking approaches world wide follow certain logical set of elements or parameters. All such defined parameters may not fully suit every institute/university of developing world, being heterogeneous ecosystem of their research paradigm. Therefore, they need to come out with their own framework of logical set of parameters to measure and evaluate institutes/universities in order to develop relative ranking approaches. Higher education rankings have been controversial and heavily debated world wide in national and particularly international contexts. In spite of debates and discussions on non-suitability of followed approaches of rankings by different organizations, ranking systems need to adjust to local variations.

Global Scenario of Ranking System

Ranking is a natural thought process when plenty of things are available to do the same or similar things. In globalised world all have to compete in their area of activities to shine and sustain. Competition provides an opportunity to adjudge level of relative standing among comity of stake holders and thus this relative standing is known as ranking. World-wide there are various ranking systems which come with their own weaknesses of ranking methodologies and which often overshadow their strengths. Prominent among these are four or five university ranking systems that take a global approach. They are: QS "World University Ranking"; Times Higher Education World University Ranking; Academic Ranking of World Universities (ARWU) – often referred to as the "Shanghai Jiao Tong" ranking because it is produced by a unit at Shanghai Jiao Tong University); the CWTS Leiden Ranking and the Webometrics Ranking. There is one that ranks universities around the world in terms of their environmental sustainability: the UI GreenMetric World University Ranking created and compiled by the University of Indonesia.

A major flaw in rankings seems to be in their methodology. For instance, institutions may not actually change in a significant way, but ratings can fluctuate year-to-year as rankers change the weights, assigned value to different indicators. Likewise, many ranking systems produce a single number that summarizes the overall ranking of an academic institution. This practice makes it difficult for students to distinguish among institutions based on the characteristics they find most important, as per their area of consideration. Additionally, much of the objective data used in the rankings is self-reported by the institutions/universities which may be tailored by them. Hence, continuing such a practice without external validation

of data could lead to difficulties for rankings in the future, especially if institutions/universities continue to perceive that rankings influence consumer behavior. It is also true that rankings influence the behavior of consumers (scholars, researchers, students, faculty, decision makers, funding agencies, etc.).

Also, in order to improvise ranking methodologies, participants in the Berlin meeting 2006 discussed available ranking methodologies in various countries and lessons learnt from the experiences of those countries. The meeting included an in-depth discussion of how ranking methodologies might be improved. In addition, participants discussed the fact that many ranking systems classify only a small percentage of institutions and fail to capture the diversity of institutions. Participants emphasized the differences among rankings, as well as the relationship between ranking systems and national goals & ecosystem in the context of an increasingly competitive global economy.

But the fact remains that rankings are useful for the government in reforming higher education system and promoting a culture of quality and transparency. In addition, rankings may be useful to all stake holders in terms of benchmarking and strategic planning, that may be useful for students and faculty when there is a lack of publicly established criteria for quality. Hence, for developing suitable ranking system of a country we require pragmatic and objective approach which can address all kinds of existing geopolitical heterogeneity, particularly socioeconomic and educational R&D ecosystem of individual nation.

Most global rankings use data sets for quantitative & qualitative analytics which are either based on Web of Science (WoS) or SCOPUS or both, which are US and Europe centric and developing/less developed world has no significant representation in them in terms of coverage of research papers. Due to this, many countries have developed their own data sets to formulate and develop their own meaningful rankings.

Rankings have to differ from country to country due to regional disparity, different needs and contextual ecosystem and non-availability of unbiased acceptable uniform data sets. All universities, particularly private ones, are under pressure to show higher rank to lure students and sustain in this competitive world.

Higher Education in India

The Indian higher education system is in the process of an unprecedented transformation. This transformation is being driven by economic and demographic change: by 2020, India will be the world's third largest economy, with a correspondingly rapid growth in the size of its middle class. At present, over 50% of India's population is less than 25 years old; by 2020 India will outpace China as the country with the largest tertiary-age population. Despite significant progress over the past ten years, Indian higher education is faced with five broad challenges:

1. **Supply-demand gap:** India has a low rate of enrolment in higher education, at only 20%, compared with 26% in China and 36% in Brazil. There is enormous unmet demand for higher education. By 2020, the Indian government aims to achieve 30% gross enrolment, which will mean providing 40 million university seats, an increase of 14 million in six years.
2. **Low quality of teaching and learning:** There has been little focus on quality. The real purpose of education should have been to inspire or ignite inner zeal of students, scholars for learning, research and innovation to generate intellectual assets in country. But that has been missing due to various factors.
3. **Constraints on research capacity and innovation:** With a very low level of PhD enrolment, India does not have enough high quality researchers. There are few opportunities for inter-disciplinary and multidisciplinary work, lack of early stage research experience; a weak ecosystem for innovation, and low levels of industry engagement, though that bit is changing now. There is very little demand-driven research which can solve glaring societal needs and problems. The Prime Minister's new Imprint scheme of providing research funding to academic institutions is likely to change that.

4. **Uneven growth and access to opportunity:** In India there is high disparity and divide at social level; access to higher education is uneven coupled with multidimensional inequalities in enrolment across population groups and geographies. All this is well reflected in three central pillars of the government's plans for education, i.e. expansion, equity and excellence. Accordingly, under RUSA program over the next five years, every aspect of higher education is being reorganized and remodeled: funding, leadership and management, quality assurance, accountability, relationships with industry, international collaboration and the way teaching and research are conducted. Emphasis will be placed on strengthening existing institutions. Probably, this is the biggest and most ambitious reform program in the governance and funding of state universities after country's independence. However, its intended execution and yield is yet to be seen.

About 'Indian Citation Index (ICI)'

"If you can measure that of which you speak, and can express it by a number, you know something of your subject; but if you cannot measure it, your knowledge is meager and unsatisfactory"

—William Thomson, Lord Kelvin

Indian Citation Index (ICI) is a home grown abstracts and citation database, with multidisciplinary subjects' coverage. It provides powerful search engine to perform search and evaluation for researchers, policy makers, decision makers, etc. At present, ICI database has data depth of 10 years, i.e. 2004 onwards and it is updated every month. It uses intellectual links by listing both cited and citing works. Like other citation indexes, this enables one to move back in time to previously published papers. But one can also look forward in time to determine who has subsequently cited an earlier piece of research. The objectives of ICI are: to ensure access to articles published in local Indian R&D literature at national and global level; to reflect and represent true picture of locally published Indian scholarly contribution at national and global level; to have an authentic tool/ground for effective and rigorous evaluation of Indian scholarly works in true sense and spirit.

Scope

This study aims to measure and evaluate 'Research Competitiveness of Universities and other R&D Institutes' of India based on Indian Citation Index database. Its reference time period is 2004 to 2014.

Objectives

1. **Analyze journals published from India covering following aspects:**
 1. In what way the journals published from India and foreign countries are different – in presentation of style, lucidity of language, graphic description?
 2. What is the quantum of foreign collaborative research articles in journals published from India?
 3. Which are the countries of collaborative publications?
 4. Where do Indian journals stand vis-à-vis to foreign (International journals)?
2. **Analyze citation trends of journals published from India**
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 4. List of journals being published in collaboration of foreign publishers

Methodology

In this study a simple methodology has been followed. The required data is extracted from ‘Indian Citation Index (ICI)’ database for a time span of 2004 to 2014 and organized into various tables to address the defined objectives. The extracted data is analyzed from different dimensions to adjudge relative performance and position of institutions/universities. The description with respective data is organized into four sections and their subsections- Section 1.0 Journals Published from India; 2.0 Analyze Citation Trends of Journals Published from India; 3.0 Relative Standing or Position of Indian Institutes/Universities; and 4.0 Research Journals Published from India

Section 1.0: Journals Published from India

A journal refers to a serial and serious, scholarly publication that is well peer-reviewed, issued at defined and undefined interval. In the world history of journals, the first one was published in 1665, on 5th January i.e. ‘*Journal des sçavans*’ and thereafter in the same year on 6th March 1665 second journal, i.e. ‘*Philosophical Transactions*’, was published which pioneered the concepts of scientific priority and peer review system. In India, first journal ‘*Asiatick Researches*’ was published in 1788. Since then journal publication in India has come a long way and as of now over 6,000 journals in various forms and styles are being published from here. The figure of 6,000+ is quite impressive but all these are not research journals. In the category of journals many different type of publications such as newspapers, newsletters, house journals, business news, magazines, popular periodicals, etc. are also counted. However, out of 6,000+ journals, only about 1,800 are good, research-oriented and peer-reviewed publications but out of these, 500 -600 are either irregular or run late. Thus, there are only 1,200 – 1,300 journals which are considered as indexable. In Indian Citation Index (ICI), currently, 900 + journals of these, covering all subjects are indexed, with data depth of 2004 onwards.

1. (i) Difference in journals published from India and foreign countries: in presentation, lucidity of language and graphic description

Prior to mapping the difference between foreign and Indian journals based on certain given parameters, we need to understand the meaning/definition/scope of ‘national’ or ‘local’ and ‘international’ journals. So far it is an ambiguous and grey area. We all very frequently use the term “International Journal” and “National/Local Journal” without knowing and understanding technical and anatomical difference between the two.

International Journal

Primarily, for any publication to qualify as a journal, it must meet the following criteria. This is irrespective of “international” word in its title and the location of the publication.

- The editorial board members/editors/reviewers need to be well known experts in the subject area of the journal.
- The editorial board members/editors/reviewers need to be “Inter-institutional”, and preferably “Inter-Countries”.
- The journal as a policy and scope should receive and publish papers from own and foreign country author(s).
- The journal should have its wide circulation/subscriptions from own and foreign countries.
- The journal should carry ISSN, which is a unique and international number.
- The journal needs to follow rigorous peer review mechanism comparable to world standards and practices.
- The journal should come regularly as per its defined frequency.

National Journal

Journals which have national orientation framework and are largely confined to national boundary are known as national/ local journals. Following points further clarify the features of a journal to be called national/local.

- The editorial board members/ editors/reviewers are well known experts in the subject area of the journal.
- The editorial board members/editors/reviewers should be “Inter-institutional” from the country of journal’s origin.
- The journal as a policy and scope should receive and publish papers from own country author(s).
- The journal should have its circulation/subscriptions from own countries.
- The journal should carry ISSN, which is a unique and international number.
- The journal should be peer reviewed.
- The journal should come regularly as per its defined frequency.

Quality of a publication/article

The term quality is generally subjective and contextual; however, in case of research publication, its readers are the best judge. Though the quality of research and innovation is enlightening; it changes the direction of a field dramatically; and advances the field not incrementally, but in a major visible or perceivable manner. A research publication should possess the following three dimensions for attracting quality and citations:

1. Physical: Its attributes-- physical format, binding, designing, paper quality, shape, form, etc.
2. Subtle: Attributes are microscopic personality of a document, like printing, language, fonts, format, margins, ink quality, etc.
3. Soul: Attribute is research finding, innovation, invention, etc. achieved through in vivo and in vitro processes.

In order to assess the qualitative difference in so called International (foreign) and Indian journals, we examine and evaluate both on certain parameters as in below given Table:

Table 1(i) Difference in journals published from India and foreign countries

S. N.	Feature	International journal	Indian/local journal
1	Presentation: physical format, binding, designing, paper quality, shape, form, etc.	Very good	Good
2	Subtle: reflects microscopic personality of a document, like printing, language, fonts, format, margins, ink quality, etc.	Very good	Good
3	Soul: original research finding, innovation, invention, etc. achieved through in vivo and in vitro processes	Very good	Not that strong
4	Degree of acceptance in international market. Scope of coverage and circulation from countries outside the journal's country of origin	Strong and international in nature	Acceptance is there but is relatively weak
5	Regularity of issuance or timeliness	Very good	Good but quite few run late
6	Continued presence in the market	Very good	Good
7	Governing bodies	International in nature with inter-country representation	International but largely local
8	Professionalism, attitude & devotion of editors /reviewers	Strong	Good but at times casual
9	Review mechanism	Strong	Good but at times casual
10	References	Okay, but few references are incomplete	Okay, but substantial number either incomplete or incorrect
11	Author guidelines	Available	Available
12	Editorial Information	Available	Available
13	ISSN	Available	Available
14	Visibility	High & global	Local
15	Marketing and sales network	International	Local

1.1 Quantum of foreign collaborative research articles in journals published from India

There is substantial collaboration from 174 countries of the world as reflects from below given Table's data. Here, the sum of articles count exceeds to total source articles available in ICI database. This is because there are multiple authors of an article who may belong to different countries but as a count that single article will be counted for each author and country too.

Table 1.1. (i) Quantum of foreign collaboration

S.No.	Country Name	Article Count	Citation Count
1	Afghanistan	30	13
2	Albania	56	14
3	Algeria	855	169
4	Argentina	310	100
5	Armenia	57	13
6	Australia	2415	1040
7	Austria	326	92
8	Azerbaijan	40	3
9	Bahamas	1	0
10	Bahrain	104	24
11	Bangladesh	2346	892
12	Barbados	10	0
13	Belarus	35	2
14	Belgium	525	284
15	Belize	1	0
16	Benin	50	18
17	Bhutan	54	31
18	Bolivia	10	1
19	Bosnia and Herzegovina	23	12
20	Botswana	248	95
21	Brazil	1724	561
22	Brunei	18	5
23	Bulgaria	257	109
24	Burkina Faso	33	8
25	Burundi	3	0
26	Cambodia	10	5
27	Cameroon	275	107
28	Canada	2585	1208
29	Cayman Islands	8	4
30	Central African Republic	1	0
31	Chad	7	1
32	Chile	117	16
33	China	14790	3011
34	Colombia	165	26
35	Comoros	3	2
36	Congo	47	10
37	Costa Rica	27	16
38	Cote d'Ivoire	93	15
39	Croatia	123	25
40	Cuba	112	28

S.No.	Country Name	Article Count	Citation Count
41	Cyprus	45	7
42	Czech Republic	549	87
43	Denmark	286	186
44	Ecuador	28	4
45	Egypt	3446	962
46	El Salvador	2	0
47	England	22	33
48	Eritrea	114	36
49	Estonia	34	6
50	Ethiopia	785	304
51	Europa	1	0
52	Fiji	61	34
53	Finland	236	112
54	France	1627	520
55	Gabon	8	0
56	Georgia	33	1
57	Germany	2399	990
58	Ghana	337	75
59	Gibraltar	1	0
60	Greece	654	174
61	Guatemala	22	8
62	Guinea	10	0
63	Guyana	11	9
64	Honduras	1	0
65	Hong Kong	141	39
66	Hungary	204	79
67	Iceland	18	9
68	Indonesia	1042	261
69	Iran	12131	3396
70	Iraq	940	259
71	Ireland	224	85
72	Island	1	0
73	Israel	409	151
74	Italy	1809	459
75	Jamaica	32	4
76	Japan	2793	911
77	Jordan	582	163
78	Kazakhstan	134	12
79	Kenya	420	187
80	Kosovo	49	8
81	Kuwait	385	150

S.No.	Country Name	Article Count	Citation Count
82	Kyrgyzstan	15	12
83	Laos	10	1
84	Latvia	28	2
85	Lebanon	137	34
86	Lesotho	22	14
87	Liberia	2	0
88	Libya	391	197
89	Lithuania	55	9
90	Luxembourg	1	3
91	Macedonia	69	8
92	Madagascar	6	1
93	Malawi	25	2
94	Malaysia	4223	1400
95	Maldives	18	5
96	Mali	9	0
97	Malta	34	14
98	Mauritania	4	0
99	Mauritius	117	24
100	Mexico	908	301
101	Moldova	5	0
102	Monaco	1	0
103	Mongolia	24	5
104	Montenegro	23	8
105	Morocco	635	182
106	Mozambique	9	0
107	Myanmar	47	47
108	Namibia	58	10
109	Nepal	1275	689
110	Netherlands	804	399
111	New Zealand	365	129
112	Nicaragua	5	2
113	Niger	10	1
114	Nigeria	6966	2077
115	Norway	308	154
116	Oman	681	253
117	Pakistan	2438	806
118	Palestine	149	37
119	Panama	31	7
120	Papua New Guinea	28	11
121	Peru	40	75
122	Philippines	375	129

S.No.	Country Name	Article Count	Citation Count
123	Poland	647	170
124	Portugal	321	90
125	Puerto Rico	13	0
126	Qatar	208	46
127	Romania	362	70
128	Russia	1020	220
129	Rwanda	16	1
130	Saint Kitts and Nevis	1	0
131	Saint Lucia	3	0
132	Saudi Arabia	3801	1158
133	Scotland	65	37
134	Senegal	62	8
135	Serbia	338	102
136	Seychelles	4	3
137	Sierra Leone	13	2
138	Singapore	626	166
139	Slovakia	163	53
140	Slovenia	57	23
141	South Africa	2840	762
142	South Korea	2516	1008
143	Spain	986	226
144	Sri Lanka	748	396
145	Sudan	299	67
146	Suriname	1	1
147	Swaziland	33	6
148	Sweden	580	245
149	Switzerland	600	368
150	Syria	389	157
151	Taiwan	851	224
152	Tajikistan	24	6
153	Tanzania	181	55
154	Thailand	1597	431
155	The Gambia	3	0
156	Togo	19	5
157	Trinidad and Tobago	35	7
158	Tunisia	561	93
159	Turkey	6954	2774
160	Uganda	105	20
161	Ukraine	174	45
162	United Arab Emirates	720	298
163	United Kingdom	5369	2779

S.No.	Country Name	Article Count	Citation Count
164	United States of America	14363	7402
165	Uruguay	25	4
166	Uzbekistan	41	19
167	Vanuatu	2	0
168	Venezuela	62	32
169	Vietnam	234	57
170	West Indies	156	81
171	Yemen	167	69
172	Yugoslavia	6	2
173	Zambia	53	15
174	Zimbabwe	175	63
	Grand Total	128860	44595

Table 1.1. (ii) Ranking of country wise collaborative research articles

S.No.	Country Name	Article Count	Citation Count
1	China	14790	3011
2	United States of America	14363	7402
3	Iran	12131	3396
4	Nigeria	6966	2077
5	Turkey	6954	2774
6	United Kingdom	5369	2779
7	Malaysia	4223	1400
8	Saudi Arabia	3801	1158
9	Egypt	3446	962
10	South Africa	2840	762
11	Japan	2793	911
12	Canada	2585	1208
13	South Korea	2516	1008
14	Pakistan	2438	806
15	Australia	2415	1040
16	Germany	2399	990
17	Bangladesh	2346	892
18	Italy	1809	459
19	Brazil	1724	561
20	France	1627	520
21	Thailand	1597	431
22	Nepal	1275	689
23	Indonesia	1042	261
24	Russia	1020	220
25	Spain	986	226
26	Iraq	940	259

S.No.	Country Name	Article Count	Citation Count
27	Mexico	908	301
28	Algeria	855	169
29	Taiwan	851	224
30	Netherlands	804	399
31	Ethiopia	785	304
32	Sri Lanka	748	396
33	United Arab Emirates	720	298
34	Oman	681	253
35	Greece	654	174
36	Poland	647	170
37	Morocco	635	182
38	Singapore	626	166
39	Switzerland	600	368
40	Jordan	582	163
41	Sweden	580	245
42	Tunisia	561	93
43	Czech Republic	549	87
44	Belgium	525	284
45	Kenya	420	187
46	Israel	409	151
47	Libya	391	197
48	Syria	389	157
49	Kuwait	385	150
50	Philippines	375	129
51	New Zealand	365	129
52	Romania	362	70
53	Serbia	338	102
54	Ghana	337	75
55	Austria	326	92
56	Portugal	321	90
57	Argentina	310	100
58	Norway	308	154
59	Sudan	299	67
60	Denmark	286	186
61	Cameroon	275	107
62	Bulgaria	257	109
63	Botswana	248	95
64	Finland	236	112
65	Vietnam	234	57
66	Ireland	224	85
67	Qatar	208	46

S.No.	Country Name	Article Count	Citation Count
68	Hungary	204	79
69	Tanzania	181	55
70	Zimbabwe	175	63
71	Ukraine	174	45
72	Yemen	167	69
73	Colombia	165	26
74	Slovakia	163	53
75	West Indies	156	81
76	Palestine	149	37
77	Hong Kong	141	39
78	Lebanon	137	34
79	Kazakhstan	134	12
80	Croatia	123	25
81	Chile	117	16
82	Mauritius	117	24
83	Eritrea	114	36
84	Cuba	112	28
85	Uganda	105	20
86	Bahrain	104	24
87	Cote d'Ivoire	93	15
88	Macedonia	69	8
89	Scotland	65	37
90	Senegal	62	8
91	Venezuela	62	32
92	Fiji	61	34
93	Namibia	58	10
94	Armenia	57	13
95	Slovenia	57	23
96	Albania	56	14
97	Lithuania	55	9
98	Bhutan	54	31
99	Zambia	53	15
100	Benin	50	18
101	Kosovo	49	8
102	Congo	47	10
103	Myanmar	47	47
104	Cyprus	45	7
105	Uzbekistan	41	19
106	Azerbaijan	40	3
107	Peru	40	75
108	Belarus	35	2

S.No.	Country Name	Article Count	Citation Count
109	Trinidad and Tobago	35	7
110	Estonia	34	6
111	Malta	34	14
112	Burkina Faso	33	8
113	Georgia	33	1
114	Swaziland	33	6
115	Jamaica	32	4
116	Panama	31	7
117	Afghanistan	30	13
118	Ecuador	28	4
119	Latvia	28	2
120	Papua New Guinea	28	11
121	Costa Rica	27	16
122	Malawi	25	2
123	Uruguay	25	4
124	Mongolia	24	5
125	Tajikistan	24	6
126	Bosnia and Herzegovina	23	12
127	Montenegro	23	8
128	England	22	33
129	Guatemala	22	8
130	Lesotho	22	14
131	Togo	19	5
132	Brunei	18	5
133	Iceland	18	9
134	Maldives	18	5
135	Rwanda	16	1
136	Kyrgyzstan	15	12
137	Puerto Rico	13	0
138	Sierra Leone	13	2
139	Guyana	11	9
140	Barbados	10	0
141	Bolivia	10	1
142	Cambodia	10	5
143	Guinea	10	0
144	Laos	10	1
145	Niger	10	1
146	Mali	9	0
147	Mozambique	9	0
148	Cayman Islands	8	4
149	Gabon	8	0

S.No.	Country Name	Article Count	Citation Count
150	Chad	7	1
151	Madagascar	6	1
152	Yugoslavia	6	2
153	Moldova	5	0
154	Nicaragua	5	2
155	Mauritania	4	0
156	Seychelles	4	3
157	Burundi	3	0
158	Comoros	3	2
159	Saint Lucia	3	0
160	The Gambia	3	0
161	El Salvador	2	0
162	Liberia	2	0
163	Vanuatu	2	0
164	Bahamas	1	0
165	Belize	1	0
166	Central African Republic	1	0
167	Europa	1	0
168	Gibraltar	1	0
169	Honduras	1	0
170	Island	1	0
171	Luxembourg	1	3
172	Monaco	1	0
173	Saint Kitts and Nevis	1	0
174	Suriname	1	1
	Grand Total	128860	44595

Table 1.1.(iii) Ranking of country wise collaboration based on citations received

S.No.	Country Name	Article Count	Citation Count
1	United States of America	14363	7402
2	Iran	12131	3396
3	China	14790	3011
4	United Kingdom	5369	2779
5	Turkey	6954	2774
6	Nigeria	6966	2077
7	Malaysia	4223	1400
8	Canada	2585	1208
9	Saudi Arabia	3801	1158
10	Australia	2415	1040
11	South Korea	2516	1008
12	Germany	2399	990

S.No.	Country Name	Article Count	Citation Count
13	Egypt	3446	962
14	Japan	2793	911
15	Bangladesh	2346	892
16	Pakistan	2438	806
17	South Africa	2840	762
18	Nepal	1275	689
19	Brazil	1724	561
20	France	1627	520
21	Italy	1809	459
22	Thailand	1597	431
23	Netherlands	804	399
24	Sri Lanka	748	396
25	Switzerland	600	368
26	Ethiopia	785	304
27	Mexico	908	301
28	United Arab Emirates	720	298
29	Belgium	525	284
30	Indonesia	1042	261
31	Iraq	940	259
32	Oman	681	253
33	Sweden	580	245
34	Spain	986	226
35	Taiwan	851	224
36	Russia	1020	220
37	Libya	391	197
38	Kenya	420	187
39	Denmark	286	186
40	Morocco	635	182
41	Greece	654	174
42	Poland	647	170
43	Algeria	855	169
44	Singapore	626	166
45	Jordan	582	163
46	Syria	389	157
47	Norway	308	154
48	Israel	409	151
49	Kuwait	385	150
50	Philippines	375	129
51	New Zealand	365	129
52	Finland	236	112
53	Bulgaria	257	109

S.No.	Country Name	Article Count	Citation Count
54	Cameroon	275	107
55	Serbia	338	102
56	Argentina	310	100
57	Botswana	248	95
58	Tunisia	561	93
59	Austria	326	92
60	Portugal	321	90
61	Czech Republic	549	87
62	Ireland	224	85
63	West Indies	156	81
64	Hungary	204	79
65	Ghana	337	75
66	Peru	40	75
67	Romania	362	70
68	Yemen	167	69
69	Sudan	299	67
70	Zimbabwe	175	63
71	Vietnam	234	57
72	Tanzania	181	55
73	Slovakia	163	53
74	Myanmar	47	47
75	Qatar	208	46
76	Ukraine	174	45
77	Hong Kong	141	39
78	Palestine	149	37
79	Scotland	65	37
80	Eritrea	114	36
81	Lebanon	137	34
82	Fiji	61	34
83	England	22	33
84	Venezuela	62	32
85	Bhutan	54	31
86	Cuba	112	28
87	Colombia	165	26
88	Croatia	123	25
89	Mauritius	117	24
90	Bahrain	104	24
91	Slovenia	57	23
92	Uganda	105	20
93	Uzbekistan	41	19
94	Benin	50	18

S.No.	Country Name	Article Count	Citation Count
95	Chile	117	16
96	Costa Rica	27	16
97	Cote d'Ivoire	93	15
98	Zambia	53	15
99	Albania	56	14
100	Malta	34	14
101	Lesotho	22	14
102	Armenia	57	13
103	Afghanistan	30	13
104	Kazakhstan	134	12
105	Bosnia and Herzegovina	23	12
106	Kyrgyzstan	15	12
107	Papua New Guinea	28	11
108	Namibia	58	10
109	Congo	47	10
110	Lithuania	55	9
111	Iceland	18	9
112	Guyana	11	9
113	Macedonia	69	8
114	Senegal	62	8
115	Kosovo	49	8
116	Burkina Faso	33	8
117	Montenegro	23	8
118	Guatemala	22	8
119	Cyprus	45	7
120	Trinidad and Tobago	35	7
121	Panama	31	7
122	Estonia	34	6
123	Swaziland	33	6
124	Tajikistan	24	6
125	Mongolia	24	5
126	Togo	19	5
127	Brunei	18	5
128	Maldives	18	5
129	Cambodia	10	5
130	Jamaica	32	4
131	Ecuador	28	4
132	Uruguay	25	4
133	Cayman Islands	8	4
134	Azerbaijan	40	3
135	Seychelles	4	3

S.No.	Country Name	Article Count	Citation Count
136	Luxembourg	1	3
137	Belarus	35	2
138	Latvia	28	2
139	Malawi	25	2
140	Sierra Leone	13	2
141	Yugoslavia	6	2
142	Nicaragua	5	2
143	Comoros	3	2
144	Georgia	33	1
145	Rwanda	16	1
146	Bolivia	10	1
147	Laos	10	1
148	Niger	10	1
149	Chad	7	1
150	Madagascar	6	1
151	Suriname	1	1
152	Puerto Rico	13	0
153	Barbados	10	0
154	Guinea	10	0
155	Mali	9	0
156	Mozambique	9	0
157	Gabon	8	0
158	Moldova	5	0
159	Mauritania	4	0
160	Burundi	3	0
161	Saint Lucia	3	0
162	The Gambia	3	0
163	El Salvador	2	0
164	Liberia	2	0
165	Vanuatu	2	0
166	Bahamas	1	0
167	Belize	1	0
168	Central African Republic	1	0
169	Europa	1	0
170	Gibraltar	1	0
171	Honduras	1	0
172	Island	1	0
173	Monaco	1	0
174	Saint Kitts and Nevis	1	0
	Grand Total	128860	44595

1.0. Comparison of foreign (International) & Indian journals

From the below given Table of frequency based comparison, there is visible difference in issuance periodicity of journals published from foreign countries and India. Foreign journals with Half Yearly, Quarterly, Bimonthly, Monthly, Fortnightly, Weekly, and others as at serial number 9 to 13 are visibly on higher side than India. Journals of Indian origin are relatively more with Half Yearly & Quarterly frequencies and there is no research journal available with Weekly, (52 Issue/Annum), 5 Issue/Annum, 8 Issue/Annum, 10 Issue/Annum, 14 Issue/Annum, and Irregular (No defined Frequency) in Indian Citation Index (ICI).

Table 1.2. Indian Journals vis-à-vis Foreign (International Journals)

S.No	Frequency	Foreign Journals %	Journals published from India %
1	Annual, (1 Issue/Annum)	3.876	3.134
2	Half yearly, (2 Issue/Annum)	9.044	31.642
3	Triannual, (3 Issue/Annum)	5.943	7.164
4	Quarterly, (4 Issue/Annum)	31.008	37.910
5	Bimonthly, (6 Issue/Annum)	23.773	11.194
6	Monthly, (12 Issue/Annum)	13.695	8.507
7	Fortnightly, (26 Issue/Annum)	2.326	0.299
8	Weekly, (52 Issue/Annum)	0.258	0.000
9	5 Issue/Annum	1.809	0.000
10	8 Issue/Annum	2.067	0.000
11	9 Issue/Annum	0.258	0.149
12	10 Issue/Annum	0.775	0.000
13	14 Issue/Annum	0.517	0.000
14	Irregular (No defined Frequency)	4.651	0.000

Note: The Table is based on random data of foreign (387) and Indian Journals (670) analyzed

Low frequency/periodicity is also one of the factors of low/delayed visibility of a journal which result to low citations of journals of Indian origin. India's data share of research papers published in journals of Indian and foreign origin is 52.353% and 47.646% respectively, therefore, no assessment and evaluation of our research productivity pertaining either to individuals, institutes, states, cities, etc. would be realistic and complete without taking in account the 52.353% research papers of India's total productivity

Table. 1.3. Research papers share of India published in Indian and Foreign journals.

Year	No. of common Indian Journals Articles Published by Indian Authors and Indexed in ICI & WoS Both (A)	No. of Articles Published in Foreign Journals by Indian Authors & Indexed in WoS (B)	B-A	No. of Articles Published in Indian Journals by Indian Authors & Indexed in ICI	Total Data of ICI & WoS	% Share of ICI Indexed Data vis-à-vis to WoS	% Share of WOS Data vis-à-vis to ICI
2010	9216	48163	38947	49011	87958	55.72091225	44.2790877
2011	9632	52448	42816	51487	94303	54.59741472	45.4025853
2012	9865	55538	45673	51093	96766	52.80057045	47.1994296
2013	12754	61206	48452	51043	99495	51.30207548	48.6979245
2014	10025	65198	55173	51254	106427	48.15883188	51.8411681
Total	51492	282553	231061	253888	484949	52.35354646	47.6464535

Source: ICI & WoS

Section 2.0 Analyze Citation Trend of Journals Published from India

2.1 What are the Unique Points of Citations in Indian Journals?

2.2 Are Indian Journals as Vigorous as International ones?

For 2.0, 2.1 and 2.2 refer 1.0, 1.1, and 1.2 as above

Section 3.0 Relative Standing or Position of Indian Institutes and Universities

3.1. Indian Institutes of Technology (IITs): Analysis of Research Productivity and Quality

The Indian Institutes of Technology (IITs) are autonomous public funded institutes of higher education, learning and research in India, located across the country. They are founded and governed by the ‘Institutes of Technology Act, 1961’ which has declared them as “institutions of national importance”, [1]. The history of the IIT system dates back to 1946 when Sir Jogendra Singh of the Viceroy’s Executive Council set up a committee whose task was to consider the creation of Higher Technical Institutions for post-war industrial development in India. The 22-member committee, headed by Nalini Ranjan Sarkar, recommended the establishment of these institutions in various parts of India.

As a result of such recommendation, the first ‘Indian Institute of Technology (IIT)’ was founded in May 1950 at Kharagpur. Subsequent to this, on 15 September 1956, the Parliament of India passed the Indian Institute of Technology (Kharagpur) Act, declaring it as an Institute of National Importance. Pandit Jawaharlal Nehru, first Prime Minister of India, in the first convocation address of IIT Kharagpur in 1956 said [18]

“Here in the place of that Hijli Detention Camp, Khargpur stands the fine monument of India, representing India’s urges, India’s future in the making. This picture seems to me symbolical of the changes that are coming to India”.

Latter to ‘Indian Institute of Technology (Kharagpur) 1956 Act and in order to establish more number of similar institutes in the country, “Institutes of Technology Act, 1961” was passed by the Parliament of India. So, as of now there are eighteen IIT institutes located at Chennai, Delhi, Guwahati, Kanpur, Kharagpur, Mumbai, Roorkee, Bhubaneswar, Gandhinagar, Hyderabad, Indore, Jodhpur, Mandi, Patna, Ropar and Varanasi.[4] Each IIT is an autonomous institution, linked to the others through a common IIT Council, which oversees their administration. A list of all eighteen IITs is as given below:

From the above Table it is clear that up to 2001, there were only seven IITs, viz: IITKGP, IITB, IITK, IITM, IITD, IITG, and IITR, and rest are relatively new and established mainly 2008 onwards only. In 2008 Government of India took long jump to established six more IITs, viz: IITBBS, IITGN, IITH, IITJ, IITP, and IITRPR, two more IITs were established in 2009, viz: IITI and IIT Mandi, thereafter, one in 2012, i.e. IITBHU and two in 2015, i.e. IITPKD and IITTP have been established. It is worth mentioning that higher learning institutes/university, etc. need 12 to 15 years time span in getting maturity and deliver desired goals of research and innovation. Keeping this factor in mind, and have a level playing field for comparison and evaluation, IITs are divided into two groups, i.e. Category ‘A’ IITs established up to 2000 and Category ‘B’ IITs established after 2001 onwards. In below Table, two more institutes have also been taken for evaluation and comparison purpose as they have been treated at par IITs. These two institutes are – IITBHU (though it exists from 1919 but declared as IIT in 2012) and Indian School of Mines (ISM).

Table 3.1 (ii) Indian Institutes of Technology Category 'A'

S.No.	Subject Category	IIT B		IIT D		IIT G		IIT K		IIT Kh		IIT M		IIT R		IIT V		ISM		Total		
		A	C	A	C	A	C	A	C	A	C	A	C	A	C	A	C	A	C	A	C	Articles/ Citations
1	Agriculture	18	3	21	19	3	1	5	0	95	22	10	0	26	5	6	0	1	0	185	50	
2	Apiculture	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Anthropology	2	0	*	*	*	*	8	3	7	1	1	0	*	*	*	*	*	*	18	4	
4	Arts and Humanities	2	0	3	0	2	0	1	0	7	0	1	0	4	0	*	*	1	0	21	0	
5	Astronomy, Astrophysics, Space and Geodesy	24	3	12	0	2	0	20	1	23	8	36	19	13	3	14	4	*	*	144	38	
6	Biological Science	38	21	56	39	29	30	23	6	61	73	15	6	54	109	31	15	30	0	337	299	
7	Biotechnology	4	0	18	8	21	5	2	0	29	13	4	5	11	5	7	5	*	*	96	41	
8	Botany	*	*	6	6	1	0	*	*	10	3	3	3	6	1	3	2	1	0	30	15	
9	Business and Marketing	6	1	29	30	*	*	6	0	16	7	7	0	13	5	1	0	5	0	83	43	
10	Chemistry	121	15	122	19	57	10	85	13	115	20	106	14	80	26	76	33	39	11	801	161	
11	Computer Science and Technology	9	2	17	2	15	5	3	0	22	6	9	1	49	5	23	6	11	2	158	29	
12	Dairying, Dairy, Animals and Animals Produce	*	*	*	*	*	*	*	*	3	1	*	*	*	*	*	*	*	*	3	1	
13	Domestic Science	*	*	3	1	*	*	*	*	1	3	*	*	*	*	2	0	*	*	6	4	
14	Earth and Geological Science	126	135	27	21	12	14	36	30	160	101	52	12	161	87	40	14	125	64	739	478	
15	Economics	11	0	19	27	3	2	14	2	15	4	11	3	5	1	1	0	4	0	83	39	
16	Education	11	1	26	11	*	*	6	0	19	31	12	3	14	5	2	0	3	0	93	51	
17	Energy and Fuel Science	1	0	4	0	*	*	*	*	42	4	3	0	3	0	8	1	43	25	104	30	

S.No.	Subject Category	HIT												Total								
		A	C	A	C	A	C	A	C	A	C	A	C	A	C	Articles/ Citations						
18	Engineering Science and Technology	244	50	346	80	114	42	148	27	404	103	425	108	470	111	124	26	127	33	2402	580	
19	Environmental Science	29	9	61	34	11	5	16	6	87	66	17	3	51	29	19	11	47	8	338	171	
20	Fishery	*	*	1	0	*	*	*	*	5	1	*	*	*	*	*	*	*	*	*	6	1
21	Food and Beverage Science	*	*	8	8	*	*	*	*	53	39	*	*	1	1	4	6	*	*	*	66	54
22	Forestry	*	*	1	3	*	*	*	*	3	0	*	*	1	0	*	*	1	0	0	6	3
23	General Science & Technology	85	77	184	191	24	28	120	94	107	80	72	34	126	92	31	15	13	22	762	633	
24	Health Science	26	12	28	29	3	1	24	8	44	56	31	11	10	11	25	18	1	0	192	146	
25	History and Philosophy of Science and Knowledge	4	2	2	5	*	*	37	88	3	12	1	0	*	*	2	0	*	*	49	107	
26	Law	*	*	*	*	*	*	*	*	1	0	2	0	1	0	*	*	*	*	4	0	
27	Library and Information Science	7	4	12	28	5	1	4	2	19	8	6	0	30	15	13	3	1	0	97	61	
28	Management	22	13	130	145	8	0	15	3	34	28	23	5	35	19	3	0	11	0	281	213	
29	Material Science	28	11	28	17	7	0	43	5	136	29	48	10	45	16	62	13	88	40	485	141	
30	Mathematics	22	1	8	1	4	0	45	14	25	2	24	4	44	18	15	0	9	1	196	41	
31	Meteorology	2	0	17	12	*	*	*	*	7	2	1	2	4	1	*	*	*	*	31	17	
32	Nanoscience and Nanotechnology	*	*	*	*	*	*	*	*	1	0	*	*	*	*	*	*	*	*	1	0	

S.No.	Subject Category	IIT												Total													
		B	C	A	D	A	C	A	C	G	A	C	K	A	C	Kh	M	A	C	R	A	C	V	ISM	A	C	A
33	Oceanography and Marine Science	7	3	6	1	4	0	2	0	17	2	12	6	4	0	1	0	5	1	0	0	1	0	5	1	58	13
34	Others	4	0	7	5	2	2	*	*	13	30	*	*	4	1	*	*	*	*	*	*	*	*	*	*	30	38
35	Pharmacology and Pharmaceutical Science	9	5	9	3	18	1	1	0	20	21	18	18	9	3	66	97	*	*	97	*	*	150	148			
36	Physics	63	10	53	19	36	9	83	24	74	20	53	42	71	19	42	27	23	5	498	175						
37	Pollution	*	*	3	0	*	*	1	4	4	1	4	0	*	*	*	*	2	0	14	5						
38	Population Studies	2	1	2	0	1	0	1	0	*	*	*	*	*	*	*	*	*	*	6	1						
39	Psychology	12	4	17	4	6	3	14	10	32	24	1	0	3	2	*	*	*	85	47							
40	Remote Sensing	8	6	3	1	3	1	14	13	13	35	1	1	25	19	1	0	1	0	69	76						
41	Rural Development	1	1	3	0	1	0	1	0	9	8	2	0	2	0	1	0	1	0	21	9						
42	Social Science	37	8	38	15	17	6	24	9	44	34	12	8	19	4	1	0	4	1	196	85						
43	Statistics	*	*	*	*	*	*	3	0	1	0	*	*	*	*	1	0	*	*	5	0						
44	Telecommunication	*	*	5	0	*	*	1	0	2	0	1	0	1	0	1	0	4	0	15	0						
45	Textile	2	0	153	135	*	*	*	*	1	0	*	*	2	0	3	2	*	*	161	137						
46	Toxicology	*	*	1	1	*	*	*	*	*	*	*	*	*	*	*	*	1	0	2	1						
47	Veterinary Science	*	*	1	0	1	0	*	*	2	0	*	*	*	*	*	*	*	*	4	0						
48	Water	13	0	4	1	5	0	*	*	6	0	4	0	30	3	2	0	1	0	65	4						
49	Zoology	*	*	2	0	2	0	*	*	2	0	*	*	*	*	*	*	*	*	6	0						
	Grand Total	1000	398	1496	921	417	166	806	362	1794	898	1028	318	1427	616	631	298	603	213	9202	4190						

Source: ICI, 2004 – 2014

The IITs established by the year 2000 have contributed 9202 research articles and received 4190 citations in journals published from India in a time span of 2004 – 2014. In order of productivity ranking, IIT Kharagpur stands at first position with 1794 research articles contribution, followed by second position IIT Delhi with 1496 research articles, third position is occupied by IIT Roorkee with 1427 research articles. Similarly while measuring the quality i.e. number of citations received to IITs against their number of research papers contribution, IIT Delhi stands at first position among all by having 912 citations against their 1496 research papers, though it stands at number two position in terms of articles count, i.e. quantity of research papers. It is followed by IIT Kharagpur (second position) with 989 citations against their 1794 research papers which stand at number one position in terms of articles count. IIT Roorkee is at third position with 616 citations against their 1427 research papers.

The Table3 (ii) also reveals that ‘Engineering Science and Technology’ and ‘Chemistry’ are the two subjects wherein all the IITs have made good, consistent, and visible contribution relative to other subject categories. However, in the subject category of ‘Engineering Science and Technology, IIT Roorkee stands at first position with 470 research papers, followed by IIT Madras with 425 research papers, and IIT Kharagpur with 404 research papers and occupy second and third positions respectively. It shows that IITs main core subject areas are ‘Engineering Science and Technology’ and ‘Chemistry’, though IITs are making good contributions in other subjects too.

On analyzing IIT wise subjects focus of their research contribution, it is found that IIT Bombay have contributed more than 100 research papers in three subject categories, viz: ‘Chemistry’ (121), ‘Earth and Geological Science’ (126), and ‘Engineering Science and Technology’ (244). IIT Delhi have contributed more than 100 research papers in five subject categories, viz: ‘Chemistry’ (122), ‘Engineering Science and Technology’ (346), ‘General Science and Technology’ (184), ‘Management’ (130), and ‘Textile’ (153). IIT Guwahati have only one subject category wherein that contributed more than 100 research papers, viz. ‘Engineering Science and Technology (114)’. IIT Kanpur have contributed more than 100 research papers in two subject categories, i.e. ‘Engineering Science and Technology’ (148), and ‘General Science and Technology’ (120). IIT Kharagpur have contributed more than 100 research papers in five subject categories, i.e. ‘Chemistry’ (115), ‘Earth and Geological Science’ (160), ‘Engineering Science and Technology’ (404), ‘General Science and Technology’ (107) and ‘Material Science’ (136). IIT Madras have contributed more than 100 research papers in two subject categories, i.e. ‘Chemistry’ (106), and ‘Engineering Science and Technology’ (425). IIT Roorkee have contributed more than 100 research papers in three subject categories, viz. ‘Earth and Geological Science’ (161), ‘Engineering Science and Technology’ (470), and ‘General Science and Technology’ (126). IIT Varanasi is contributing more than 100 research papers only in ‘Engineering Science and Technology’ (124), and ISM Dhanbad have contributed more than 100 research papers in two subject categories, i.e. ‘Earth and Geological Science’ (125), and ‘Engineering Science and Technology’ (127).

Table 3.1 (iii) Subject wise focus, width and depth of category 'A' IITs

SN	Subject Category	IIT Bombay	IIT Delhi	IIT Guwahati	IIT Kanpur	IIT Kharagpur	IIT Madras	IIT Roorkee	IIT Varanasi	ISM Dhanbad	Total Articles
1	Engineering Science and Technology	244	346	114	148	404	425	470	124	127	2402
2	Chemistry	121	122	*	*	115	106	*	*	*	464
3	General Science & Technology	*	184	*	120	107	*	126	*	*	537
4	Earth and Geological Science	126	*	*	*	160	*	161	*	125	572
5	Material Science	*	*	*	*	136	*	*	*	*	136
6	Management	*	130	*	*	*	*	*	*	*	130
7	Textile	*	153	*	*	*	*	*	*	*	153
	Total Articles	491	935	114	268	922	531	757	124	252	4394

Source: ICI, 2004 – 2014; Based on more than 100 research papers contribution

Category 'B'

Table 3.1 (iv) Indian Institutes of Technology Category 'B'
(Estd. 2001 - 2015)

S.No.	Subject	IIT B	IIT G	IIT H	IIT I	IIT J	IIT M	IIT P	IIT R	Total Articles/ Citations		
		A	C	A	C	A	C	A	C		A	C
1	Agriculture	*	*	*	1	0	*	*	*	*	1	0
2	Apiculture	*	*	*	*	*	*	*	*	*	*	*
3	Anthropology	*	*	*	*	*	*	*	*	*	*	*
4	Arts and Humanities	*	*	1	0	*	*	3	0	*	4	0
5	Astronomy, Astrophysics, Space and Geodesy	*	*	*	*	*	*	*	*	*	*	*
6	Biological Science	*	*	1	0	*	*	1	0	*	2	0
7	Biotechnology	*	*	*	*	*	*	*	*	*	*	*
8	Botany	*	*	*	*	*	*	*	*	*	*	*
9	Business and Marketing	*	*	*	*	*	*	*	2	1	2	1
10	Chemistry	1	0	1	0	8	0	1	0	1	0	12
11	Computer Science and Technology	6	0	1	1	0	1	0	2	0	11	1
12	Dairying, Dairy, Animals and Animals Produce	*	*	*	*	*	*	*	*	*	*	*
13	Domestic Science	*	*	1	0	*	*	*	*	*	1	0
14	Earth and Geological Science	*	*	1	0	4	2	*	*	*	5	2

S.No.	Subject	IITs											Total Articles/ Citations						
		IIT B	IIT G	IIT H	IIT I	IIT J	IIT M	IIT P	IIT R										
15	Economics	A	C	A	C	A	C	A	C	A	C	A	C	A	C				
16	Education	*	*	*	*	1	0	*	*	*	*	*	*	*	2	1	3		
17	Energy and Fuel Science	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
18	Engineering Science and Technology	13	1	2	0	10	2	3	0	3	0	*	4	0	2	0	37		
19	Environmental Science	2	5	*	*	1	0	*	*	*	*	*	*	*	*	*	3	5	
20	Fishery	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
21	Food and Beverage Science	*	*	*	*	1	0	*	*	*	*	*	*	*	*	*	1	0	
22	Forestry	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
23	General Science & Technology	1	0	2	0	4	0	2	0	1	0	*	1	0	2	1	13	1	
24	Health Science	*	*	*	*	1	0	*	*	*	1	0	1	0	*	*	3	0	
25	History and Philosophy of Science and Knowledge	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
26	Law	*	*	*	*	*	*	*	*	*	*	*	*	*	1	0	1	0	
27	Library and Information Science	1	0	*	*	*	*	*	*	*	*	*	1	0	1	0	3	0	
28	Management	*	*	*	*	*	*	1	0	*	*	*	1	0	1	0	3	0	
29	Material Science	*	*	*	*	1	0	1	0	*	*	*	*	*	*	*	2	0	
30	Mathematics	1	0	*	*	1	0	3	1	*	*	1	0	1	*	*	7	1	

S.No.	Subject	IIT										Total Articles/ Citations						
		A	C	A	C	A	C	A	C	A	C	A	C	A	C			
31	Meteorology	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
32	Nanoscience and Nanotechnology	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
33	Oceanography and Marine Science	*	*	*	*	1	0	*	*	*	*	1	0	*	*	2	0	0
34	Others	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
35	Pharmacology and Pharmaceutical Science	*	*	*	*	1	0	*	*	*	*	*	*	*	*	1	0	0
36	Physics	*	*	2	1	3	0	2	0	*	*	*	1	1	1	0	9	2
37	Pollution	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
38	Population Studies	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
39	Psychology	*	*	1	0	2	0	*	*	*	*	*	*	*	*	3	0	0
40	Remote Sensing	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
41	Rural Development	1	0	*	*	*	*	*	*	*	*	*	*	*	1	0	0	0
42	Statistics	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
43	Social Science	1	0	*	*	*	*	1	0	*	*	*	1	0	3	1	6	1
44	Telecommunication	2	0	*	*	*	*	*	*	*	*	*	*	*	*	2	0	0
45	Textile	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
46	Toxicology	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
47	Veterinary Science	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
48	Water	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
49	Zoology	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
50	Grand Total	29	6	10	2	41	4	17	1	4	0	2	0	19	1	16	4	138

Source: ICI, 2004 – 2014

The category 'B' IITs (Indian Institutes of Technology, Established from 2001 - 2014) research contribution looks very insignificant as none of the IIT could contribute even 50 research articles. This seems logical too because generally the gestation period of academic institutes/universities/research institutes, etc. is over ten years. After 10 – 12 years, academic institutes/universities/research institutes, etc. may start delivering the desired results. This trend also indicates that the beginning 12 – 15 years time span is the formative period which essentially required attaining maturity and emanating visible research output.

1.2 National Institutes of Technology (NITs): An Analysis of Research Productivity and Quality.

The National Institutes of Technology (NITs) is a group of public engineering colleges of India. These institutes have been declared by Act of Parliament as institutions of national importance⁹. All these NITs from their inception used to be referred to as 'Regional Engineering Colleges (RECs)' and were governed by their respective state governments. NITs were founded to promote regional diversity and multi-cultural understanding in India. NITs are thirty autonomous institutes, they are generally located in one each major state/territory of India. In 2007, the Indian government declared these institutions as 'Institute of National Importance'. Among NITs family, NIT Patna has the oldest history 1886+, followed by NIT Raipur 1956, NIT Warangal 1959 and so on. In 1960 to 1970, thirteen NITs were established, 1971 to 1980 not a single NIT was established, 1981 to 1990 only two NITs were established and starting from 1991 to 2009, not a single NIT was established. In the history of NITs establishment in the country, year 2010 seems to be very rich year wherein ten (10) NITs were established and thereafter in 2015 one more NIT is established. Hence the history of establishing NITs in the country is much skewed.

NITs are important institutions among engineering group in the country. Primarily, they are fully engaged in imparting education in engineering and not research till 2007. After getting the tag of 'institutes of national importance, their mandate has been redrawn to achieve following goals: offer effective teaching-learning to students; provide the knowledge, skills and attitudes to UG and PG students for their being able to be distinguished globally and be socially responsible; train the students to learn to meet changing needs due to rapid technological advancement, to offer the society the necessary technology and to actively participate in all round socio-economic development programmes; provide facilities, infrastructure, inspiration and resources to conduct the meaningful research along with development of understanding of social relevance including that of indigenous materials, capacities and technologies; act as centers of excellence in technical education catalyzing absorption, innovation, diffusion and transfer of high technologies for improved productivity & quality of life at national and global level; have regional consideration as regards to local needs, relevance, strength and limitations and the community services; create an environment for effective teaching-learning by encouraging the students and faculty to nurture their intellectual curiosity, and scientific and research temper; increase research and consultancy activity, with options for incentives and encouragement to motivate staff and students to actively involve in research activities in collaboration with industry and R&D centers.

Table 3.2 (i) A List of NITs with Locations

S.N	Institute Name	Year of Establishment	Abbreviated Name	City/Town	State/UT	Website
1	NIT Kurukshetra	1963 (2002‡)	NITKKR	Kurukshetra	Haryana	nitkk.ac.in
2	NIT Calicut	1961 (2002‡)	NITC	Calicut	Kerala	nitc.ac.in
3	NIT Delhi	2010	NITD	New Delhi	Delhi	nitdelhi.ac.in
4	NIT Agartala	1965 (2006‡)	NITA	Agartala	Tripura	nita.ac.in

S.N	Institute Name	Year of Establishment	Abbreviated Name	City/Town	State/UT	Website
5	NIT Durgapur	1960 (2003‡)	NITDGP	Durgapur	West Bengal	nitdgp.ac.in
6	NIT Goa	2010	NITG	Farmagudi	Goa	nitgoa.ac.in
7	NIT Pondicherry	2010	NITPY	Karaikal	Pondicherry	nitpy.ac.in
8	Maulana Azad National Institute of Technology Bhopal	1960 (2002‡)	MANIT	Bhopal	Madhya Pradesh	manit.ac.in
9	Malaviya National Institute of Technology Jaipur	1963 (2002‡)	MNIT	Jaipur	Rajasthan	mnit.ac.in
10	Motilal Nehru National Institute of Technology Allahabad	1961 (2001‡)	MNNIT	Allahabad	Uttar Pradesh	mnnit.ac.in
11	NIT Manipur	2010	NITMN	Imphal	Manipur	nitmanipur.ac.in
12	NIT Meghalaya	2010	NITM	Shillong	Meghalaya	nitm.ac.in
13	NIT Mizoram	2010	NITMZ	Aizawl	Mizoram	nitmz.ac.in/
14	NIT Nagaland	2010	NITN	Dimapur	Nagaland	nitnagaland.ac.in
15	Dr. B. R. Ambedkar National Institute of Technology Jalandhar	1987 (2002‡)	NITJ	Jalandhar	Punjab	nitj.ac.in
16	NIT Jamshedpur	1960 (2002‡)	NITJSR	Jamshedpur	Jharkhand	nitjsr.ac.in
17	Visvesvaraya National Institute of Technology Nagpur	1960 (2002‡)	VNIT	Nagpur	Maharashtra	vnit.ac.in
18	NIT Patna	1886 (2004‡)	NITP	Patna	Bihar	nitp.ac.in
19	NIT Raipur	1956 (2005‡)	NITRR	Raipur	Chhattisgarh	nitrr.ac.in
20	NIT Rourkela	1961 (2002‡)	NITRKL	Rourkela	Odisha	nitrl.ac.in
21	NIT Sikkim	2010	NITSKM	Ravangla	Sikkim	nitsikkim.ac.in

S.N	Institute Name	Year of Establishment	Abbreviated Name	City/Town	State/UT	Website
22	NIT Silchar	1967 (2002‡)	NITS	Silchar	Assam	www.nits.ac.in
23	NIT Srinagar	1960 (2003‡)	NITSRI	Srinagar	Jammu and Kashmir	www.nitsri.net
24	Sardar Vallabhbhai National Institute of Technology Surat	1961 (2003‡)	SVNIT	Surat	Gujarat	svnit.ac.in
25	NIT Surathkal	1960 (2002‡)	NITK	Mangalore	Karnataka	nitk.ac.in
26	NIT Trichy	1964 (2003‡)	NITT	Trichy	Tamil Nadu	nitt.edu
27	NIT Uttarakhand	2010	NITUK	Srinagar	Uttarakhand	nituk.ac.in
28	NIT Warangal	1959 (2002‡)	NITW	Warangal	Telangana	nitw.ac.in
29	NIT Arunachal Pradesh	2010	NITAP	Yupia	Arunachal Pradesh	www.nitap.in
30	NIT Hamirpur	1986 (2002‡)	NITH	Hamirpur	Himachal Pradesh	nith.ac.in

Soucre: Wikipedia

‡Converted to NIT

In order to understand and analyze the research productivity of NITs, we have followed a uniform approach. Accordingly, here we have divided all NITs into two groups, i.e. category ‘A’ the NITs established up to the year of 2000, and category ‘B’ the NITs established after 2001 onwards.

Table 3.2 (iii) NITs produced more than 100 Articles in 2004 - 2014

S.No.	Subject	MANIT	NIT Karnataka	NIT K	NIT R	NIT T	NIT W	SVNIT	VNIT	Total Articles
1	Engineering Science and Technology	137	131	136	125	169	111	121	127	1057

Source: ICI, 2004 – 2014

On subject wise analysis, it is found that NITs core subject is ‘Engineering Science and Technology’ with 1580 research papers, followed by Chemistry with 532 research papers, Material Science with 355 research papers. After the core subjects, NITs in three subject, i.e. Physics with 214 research papers, Environmental Science with 245 research papers, Earth and Geological Science with 216 research papers and Computer Science and Technology with 225 research papers are the moderate in their research productivity. Thereafter, General Science & Technology (162), Mathematics (119), Biological Science (107), Management (91), Library and Information Science (86), Education (85), Pharmacology and Pharmaceutical Science (75), Pollution (74), Energy and Fuel Science (62), Water (49), Health Science (41), Agriculture (36), Social Science (35), Textile (33), Arts and Humanities (25), Biotechnology (24), Oceanography and Marine Science (23), Business and Marketing (19), Economics (15), Others (13), Telecommunication (12), Remote Sensing (9), Botany (9), Food and Beverage Science (7), History and Philosophy of Science and Knowledge (4), Statistics (2), Forestry (2), Astronomy, Astrophysics, Space and Geodesy (7), Fishery (2), Anthropology (1), Domestic Science (1), Meteorology (1), Nanoscience and Nanotechnology (1), Psychology (1), Toxicology (1) are the peripheral subjects in NITs research productivity. The figures shown in bracket corresponding to subject category are the number of research papers contributed in that subject over the period of 10 years.

Category 'B'
Table 3.2 (iv) National Institutes of Technology (NITs) Category 'B'

S.No.	Subject	NIT AP			NIT M			NIT P			NIT S			NIT Puducherry			Total count of Articles and Citaiton
		A	C	A	C	A	C	A	C	A	C	A	C	A	C	Articles	
1	Agriculture	*	*	*	*	*	*	*	*	1	0	*	*	*	1	0	
2	Apiculture	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Anthropology	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Arts and Humanities	*	*	1	0	*	*	*	*	*	*	*	*	*	1	0	
5	Astronomy, Astrophysics, Space and Geodesy	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
6	Biological Science	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7	Biotechnology	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Botany	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Business and Marketing	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Chemistry	2	0	*	*	*	*	*	*	1	0	*	*	*	3	0	
11	Computer Science and Technology	2	0	1	0	*	*	*	*	*	*	*	*	*	3	0	
12	Dairying, Dairy, Animals and Animals Produce	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13	Domestic Science	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14	Earth and Geological Science	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15	Economics	*	*	*	*	*	*	*	*	1	0	*	*	*	1	0	
16	Education	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17	Energy and Fuel Science	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18	Engineering Science and Technology	2	0	1	0	1	0	0	0	*	*	*	*	1	0	5	0

S.No.	Subject	Total count of Articles and Citaiton														
		NIT AP			NIT M			NIT P			NIT S			NIT Puducherry		
		A	C	C	A	C	C	A	C	C	A	C	A	C	C	
19	Environmental Science	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
20	Fishery	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
21	Food and Beverage Science	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
22	Forestry	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
23	General Science & Technology	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
24	Health Science	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
25	History and Philosophy of Science and Knowledge	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
26	Law	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
27	Library and Information Science	*	*	1	0	*	*	*	*	*	*	*	*	1	0	
28	Management	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
29	Material Science	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
30	Mathematics	*	*	2	0	*	*	*	*	*	*	*	*	2	0	
31	Meteorology	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
32	Nanoscience and Nanotechnology	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
33	Oceanography and Marine Science	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
34	Others	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
35	Pharmacology and Pharmaceutical Science	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
36	Physics	*	*	1	0	*	*	*	*	*	*	*	*	1	0	
37	Pollution	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
38	Population Studies	*	*	*	*	*	*	*	*	*	*	*	*	*	*	

S.No.	Subject	NIT AP		NIT M		NIT P		NIT S		NIT Puducherry		Total count of Articles and Citaiton
		A	C	A	C	A	C	A	C	A	C	
39	Psychology	*	*	*	*	*	*	*	*	*	*	* * *
40	Remote Sensing	*	*	*	*	*	*	*	*	*	*	* * *
41	Rural Development	*	*	*	*	*	*	*	*	*	*	* * *
42	Social Science	*	*	*	*	*	*	*	*	*	*	* * *
43	Statistics	*	*	*	*	*	*	*	*	*	*	* * *
44	Telecommunication	2	0	*	*	*	*	*	*	*	*	2 * 0
45	Textile	*	*	*	*	*	*	*	*	*	*	* * *
46	Toxicology	*	*	*	*	*	*	*	*	*	*	* * *
47	Veterinary Science	*	*	*	*	*	*	*	*	*	*	* * *
48	Water	*	*	*	*	*	*	*	*	*	*	* * *
49	Zoology	*	*	*	*	*	*	*	*	*	*	* * *
Articles and Citation count		8	0	7	0	1	0	3	0	1	0	20

Source: ICI, 2004 – 2014

Subject wise analysis of NITs (Category ‘B’) established after 2001 onwards shows that core subject of their concern is ‘Engineering Science and Technology’ with 5 research papers, followed by Chemistry with 3 research papers. In second rank subjects are ‘Physics’ with 1 research papers and Computer Science and Technology with 3 research papers. Thereafter, in peripheral subjects are

Table 3.2 (v) NITs with no research papers produced

S.No	NITs	Established Year
1	National Institute of Technology Delhi (NIT Delhi)	2010
2	National Institute of Technology Goa (NIT Goa)	2010
3	National Institute of Technology Meghalaya (NIT Meghalaya)	2010
4	National Institute of Technology Mizoram (NIT Mizoram)	2010
5	National Institute of Technology Nagaland (NIT Nagaland)	2010

Source: ICI, 2004 – 2014

The above listed five NITs are relatively new and are of about five years of age, established in the year of 2010. Generally institutes/universities take about 12 – 15 years time in attaining maturity and making contributing in research and innovation.

3.3 Trend Analysis of Central Universities

Trend analysis is a method to evaluate the performance based on data of similar establishments of a defined period and is one of the tools used in the disclosure of strengths and weaknesses of the targeted objects. Here we are comparing performance of central universities of the country based on their research papers of journals published from India. Based on research papers and citations received counts, a relative position of central universities have been determined and shown in Table below. The analysis reveals the relative position of a university among the comity of central universities. Based on this stakeholders can take a note to induct corrective and competitive measures.

For this study purpose all central universities are divided into two categories, i.e. Category ‘A’ and Category ‘B’. Category ‘A’ are those established prior/up to the year 2000 and Category ‘B’ established from 2001 onwards. A university needs about 12 – 15 years time for attaining maturity and comparable standard.

Table 3.3 (ii) Ranking of category 'A' Central Universities based on research productivity

S.No	Ranking Based on Articles			Ranking Based on Citations			
	University Name	Established year	Articles	University Name	Established year	Articles	Citations
1	University of Delhi (UD)	1922	1993	Banaras Hindu University (BHU)	1916	1766	1269
2	Aligarh Muslim University (AMU)	1875 (as MAO College) 1920 (as AMU)	1968	Aligarh Muslim University (AMU)	1875 (as MAO College) 1920 (as AMU)	1968	1290
3	Banaras Hindu University (BHU)	1916	1766	Dr. Harisingh Gour University (HGU)	1946	1054	1246
4	University of Allahabad (UA)	1887	1199	University of Delhi (UD)	1922	1993	1161
5	Dr. Harisingh Gour University (HGU)	1946	1054	University of Allahabad (UA)	1887	1199	898
6	Jawaharlal Nehru University (JNU)	1969	1042	Hemwati Nandan Bahuguna Garhwal University (HNBGU)	1973	1041	809
7	Hemwati Nandan Bahuguna Garhwal University (HNBGU)	1973	1041	North Eastern Hill University (NEHU)	1973	737	712
8	Manipur University (MU)	1980	866	Jawaharlal Nehru University (JNU)	1969	1042	684
9	Assam University (AU)	1994	806	Assam University (AU)	1994	806	647
10	North Eastern Hill University (NEHU)	1973	737	Manipur University (MU)	1980	866	628
11	Jamia Millia Islamia (JMI)	1920	735	Jamia Millia Islamia (JMI)	1920	735	393
12	Pondicherry University (PU)	1985	664	Pondicherry University (PU)	1985	664	369
13	University of Hyderabad (UH)	1974	663	Visva Bharati University (VBU)	1921	660	298
14	Visva Bharati University (VBU)	1921	660	University of Hyderabad (UH)	1974	663	229

S.No	Ranking Based on Articles				Ranking Based on Citations			
	University Name	Established year	Articles	Citations	University Name	Established year	Articles	Citations
15	Babasaheb Bhimrao Ambedkar University (BBAU)	1996	359	180	Tezpur University (TU)	1994	311	213
16	Tripura University (TU)	1987	315	148	Babasaheb Bhimrao Ambedkar University (BBAU)	1996	359	180
17	Tezpur University (TU)	1994	311	213	Tripura University (TU)	1987	315	148
18	Indira Gandhi National Open University (IGNOU)	1985	307	102	Rajiv Gandhi University (RGU)	1984	146	132
19	Central Agricultural University (CAU)	1993	190	83	Indira Gandhi National Open University (IGNOU)	1985	307	102
20	Guru Ghasidas Vishwavidyalaya (GGV)	1983	173	58	Central Agricultural University (CAU)	1993	190	83
21	Rajiv Gandhi University (RGU)	1984	146	132	Guru Ghasidas Vishwavidyalaya (GGV)	1983	173	58
22	Maulana Azad National Urdu University (MANUU)	1998	45	3	Maulana Azad National Urdu University (MANUU)	1998	45	3
23	English and Foreign Languages University (EFLU)	1958 (Became a central university in 2007)	34	1	English and Foreign Languages University (EFLU)	1958 (Became a central university in 2007)	34	1
24	Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalaya (MGAHV)	1997	5	1	Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalaya (MGAHV)	1997	5	1

Source: ICI, 2004 – 2014

Table 3.3.(vi) Ranking of Category 'B' Central Universities based on research productivity

S.No.	Ranking Based on Articles				Ranking Based on Citations			
	University Name	Established year	Articles	Citations	University Name	Established year	Articles	Citations
1	Mizoram University (MU)	2001	265	157	Mizoram University (MU)	2001	265	157
2	Central University of Gujarat (CUG)	2009	35	0	Central University of Himachal Pradesh (CUHP)	2009	24	10
3	Sikkim University (SU)	2006	29	8	Sikkim University (SU)	2006	29	8
4	Central University of Jharkhand (CUJ)	2009	27	2	Central University of Kerala (CUK)	2009	14	7
5	Central University of Punjab (CUP)	2009	27	0	Central University of Bihar (CUB)	2009	8	3
6	Central University of Himachal Pradesh (CUHP)	2009	24	10	Central University of Jharkhand (CUJ)	2009	27	2
7	Central University of Rajasthan (CUR)	2009	24	2	Central University of Rajasthan (CUR)	2009	24	2
8	Indira Gandhi National Tribal University (IGNTU)	2007	23	2	Indira Gandhi National Tribal University (IGNTU)	2007	23	2
9	Central University of Kerala (CUK)	2009	14	7	South Asian University (SAU)	2010	14	2

S.No.	Ranking Based on Articles				Ranking Based on Citations			
	University Name	Established year	Articles	Citations	University Name	Established year	Articles	Citations
10	South Asian University (SAU)	2010	14	2	Central University of Haryana (CUH)	2009	11	1
11	Central University of Haryana (CUH)	2009	11	1	Central University of Gujarat (CUG)	2009	35	0
12	Central University of Bihar (CUB)	2009	8	3	Central University of Punjab (CUP)	2009	27	0
13	Central University of Kashmir (CUK)	2009	7	0	Central University of Kashmir (CUK)	2009	7	0
14	Central University of Orissa (CUO)	2009	7	0	Central University of Orissa (CUO)	2009	7	0
15	Central University of Tamil Nadu (CUTN)	2009	7	0	Central University of Tamil Nadu (CUTN)	2009	7	0
16	Central University of Karnataka (CUK)	2009	5	0	Central University of Karnataka (CUK)	2009	5	0
17	Indian Maritime University (IMU)	2008	3	0	Indian Maritime University (IMU)	2008	3	0

Source: ICI, 2004 – 2014

3.4 Trend Analysis of State Universities

Trend analysis is a method to evaluate the performance based on data of similar establishments of a defined period and is one of the tools used in the disclosure of strengths and weaknesses of the targeted objects. Here we are comparing performance of state universities of the country based on their research papers in journals published from India. Based on research papers and citations received counts, a relative position of state universities have been determined and shown in Table below. The analysis reveals the relative position of a university among the comity of state universities. Based on this, all stakeholders can take a note to induct corrective and competitive measures.

For this study purpose all state universities are divided into two categories, i.e. Category 'A' and Category 'B'. Category 'A' are those established prior/up to the year 2000 and Category 'B' established from 2001 onwards. A university needs about 12 – 15 years time for attaining maturity and comparable standard.

Table 3.4.(ii) Ranking of Category 'A' State Universities based on research productivity

S.No.	Ranking Based on Articles				Ranking Based on Citations			
	University Name	Established year	Articles	Citations	University Name	Established year	Articles	Citations
1	Punjab Agricultural University (PAU)	1997	6210	4335	Punjab Agricultural University (PAU)	1997	6210	4335
2	Annamalai University (AU)	1929	5222	3619	Annamalai University (AU)	1929	5222	3619
3	Tamil Nadu Agricultural University (TNAU)	1994	5103	3296	Tamil Nadu Agricultural University (TNAU)	1994	5103	3296
4	Chaudhary Charan Singh Haryana Agricultural University (CCSHAU)	1970	4241	2786	Chaudhary Charan Singh Haryana Agricultural University (CCSHAU)	1970	4241	2786
5	University of Agricultural Sciences Dharwad (UAS Dharwad)	1964	3032	2114	University of Agricultural Sciences Dharwad (UAS Dharwad)	1964	3032	2114
6	University of Agricultural Sciences Bangalore (UAS Bangalore)	1960	2966	1297	University of Rajasthan (UR)	1948	2099	1807
7	Andhra University (AU)	1926	2196	1388	University of Mysore (UM)	1857	2110	1393
8	University of Mysore (UM)	1857	2110	1393	Andhra University (AU)	1926	2196	1388
9	University of Rajasthan (UR)	1948	2099	1807	University of Agricultural Sciences Bangalore (UAS Bangalore)	1960	2966	1297
10	Dr. Yashwant Singh Parmar University of Horticulture and Forestry (YSPUHF)	1985	1800	1080	Kuvempu University (KU)	1957	1147	1197
11	Dr. Panjabrao Deshmukh Krishi Vidyapeeth (PDKV)	1969	1638	671	Chaudhary Sarwan Kumar Himachal Pradesh Krishi Vishwavidyalaya (CSKHPKV)	1978	1500	1168

S.No.	Ranking Based on Articles Established			Ranking Based on Citations Established				
	University Name	year	Articles	Citations	University Name	year	Articles	Citations
12	Anna University (AU)	1978	1596	558	Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir (SKUASTK)	1999	1454	1087
13	Mahatma Phule Krishi Vidyapeeth (MPKV)	1983	1524	881	Dr. Yashwant Singh Parmar University of Horticulture and Forestry (YSPUHF)	1985	1800	1080
14	Assam Agricultural University (AAU)	1969	1523	1021	Assam Agricultural University (AAU)	1969	1523	1021
15	Sri Venkateswara University (SVU)	1993	1508	566	Mahatma Phule Krishi Vidyapeeth (MPKV)	1983	1524	881
16	Chaudhary Sarwan Kumar Himachal Pradesh Krishi Vishvavidyalaya (CSKHPKV)	1978	1500	1168	Gauhati University (GU)	1948	1402	864
17	Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir (SKUASTK)	1999	1454	1087	Gulbarga University (GU)	1949	874	859
18	Gauhati University (GU)	1948	1402	864	Maharana Pratap University of Agriculture and Technology (MPUAT)	1881	1090	832
19	University of Pune (UP)	1916	1228	808	University of Pune (UP)	1916	1228	808
20	Punjab University (PU)	1882	1206	454	Rashtrasant Tukadoji Maharaj Nagpur University (RTMNU)	1956	967	796
21	Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu (SKUASTJ)	1967	1174	615	Maharaja Sayajirao University of Baroda (MSUB)	1978	877	681

Ranking Based on Articles		Ranking Based on Citations						
S.No.	University Name	Established year	Articles	Citations	University Name	Established year	Articles	Citations
22	Kuvempu University (KU)	1957	1147	1197	Dr. Panjabrao Deshmukh Krishi Vidyapeeth (PDKV)	1969	1638	671
23	Acharya Nagarjuna University (ANU)	1976	1130	601	Guru Jambheshwar University of Science and Technology (GJUST)	1998	758	651
24	Maharana Pratap University of Agriculture and Technology (MPUAT)	1881	1090	832	Bangalore University (BU)	1886	1035	647
25	Kurukshetra University (KU)	1971	1076	592	Maharshi Dayanand University (MDU)	1987	959	645
26	Guru Nanak Dev University (GNDU)	1995	1072	587	Rajendra Agricultural University (RAU)	1987	718	644
27	Shivaji University (SU)	1982	1044	510	Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu (SKUASTJ)	1967	1174	615
28	Bangalore University (BU)	1886	1035	647	University of Madras (UM)	1937	846	612
29	University of Jammu (UJ)	1968	1007	514	Acharya Nagarjuna University (ANU)	1976	1130	601
30	University of Kerala (UK)	1956	981	593	University of Kerala (UK)	1956	981	593
31	Rashtrasant Tukadoji Maharaj Nagpur University (RTMNU)	1956	967	796	Kurukshetra University (KU)	1971	1076	592
32	Maharshi Dayanand University (MDU)	1987	959	645	Guru Nanak Dev University (GNDU)	1995	1072	587
33	Dr. Babasaheb Ambedkar Marathwada University (BAMU)	1958	918	543	Sri Venkateswara University (SVU)	1993	1508	566
34	Bharathiar University (BU)	1982	906	327	Anna University (AU)	1978	1596	558

S.No.	Ranking Based on Articles				Ranking Based on Citations			
	University Name	Established year	Articles	Citations	University Name	Established year	Articles	Citations
35	Maharaja Sayajirao University of Baroda (MSUB)	1978	877	681	Bharathidasan University (BU)	1982	843	545
36	Gulbarga University (GU)	1949	874	859	Dr. Babasaheb Ambedkar Marathwada University (BAMU)	1958	918	543
37	Jawaharlal Nehru Krishi Vishwavidyalaya (JNKV)	1990	855	482	Vasantao Naik Marathwada Krishi Vidyapeeth (VNMKV)	1943	711	539
38	University of Madras (UM)	1937	846	612	Dibrugarh University (DU)	1965	597	536
39	Bharathidasan University (BU)	1982	843	545	Orissa University of Agriculture and Technology (OUAT)	1998	773	521
40	Indira Gandhi Krishi Vishwavidyalaya (IGKV)	1975	838	519	Indira Gandhi Krishi Vishwavidyalaya (IGKV)	1975	838	519
41	Sri Krishnadevaraya University (SKU)	1993	830	387	University of Jammu (UJ)	1968	1007	514
42	Jai Narain Vyas University (JNVU)	1984	821	456	Shivaji University (SU)	1982	1044	510
43	University of Kashmir (UK)	1969	801	317	Saurashtra University (SU)	1955	472	509
44	Jawaharlal Nehru Technological University Hyderabad (JNTUH)	1946	778	194	Jawaharlal Nehru Krishi Vishwavidyalaya (JNKV)	1990	855	482
45	Orissa University of Agriculture and Technology (OUAT)	1998	773	521	Mohanlal Sukhadia University (MSU)	1990	564	480
46	Tamil Nadu Veterinary and Animal Sciences University (TNVASU)	1987	767	354	Jai Narain Vyas University (JNVU)	1984	821	456

S.No.	Ranking Based on Articles				Ranking Based on Citations			
	University Name	Established year	Articles	Citations	University Name	Established year	Articles	Citations
47	Guru Jambheshwar University of Science and Technology (GJUST)	1998	758	651	Punjab University (PU)	1882	1206	454
48	Birsa Agricultural University (BAU)	1981	754	404	Himachal Pradesh University (HPU)	1986	538	437
49	Karnatak University (KU)	1996	721	427	Dr. B.R. Ambedkar University (BRAU)	1927	616	435
50	Rajendra Agricultural University (RAU)	1987	718	644	Karnatak University (KU)	1996	721	427
51	Vasantrao Naik Marathwada Krishi Vidyapeeth (VNMKV)	1943	711	539	Birsa Agricultural University (BAU)	1981	754	404
52	Utkal University (UU)	1948	699	388	Utkal University (UU)	1948	699	388
53	Periyar University (PU)	1917	642	297	Sri Krishnadevaraya University (SKU)	1993	830	387
54	Dr. B.R. Ambedkar University (BRAU)	1927	616	435	Sri Venkateswara Institute of Medical Sciences (SVIMS)	1983	294	384
55	Mangalore University (MU)	1990	605	322	Tamil Nadu Veterinary and Animal Sciences University (TNVASU)	1987	767	354
56	Manonmaniam Sundaranar University (MSU)	1980	598	276	Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth (BSKKV)	1972	519	328
57	Dibrugarh University (DU)	1965	597	536	Bharathiar University (BU)	1982	906	327
58	Kerala Agricultural University (KAU)	1996	596	286	Mangalore University (MU)	1990	605	322
59	Mohanlal Sukhadia University (MSU)	1990	564	480	University of Kashmir (UK)	1969	801	317
60	University of Mumbai (UM)	1857	555	189	University of Calicut (UC)	1986	546	300
61	University of Calicut (UC)	1986	546	300	Periyar University (PU)	1917	642	297

S.No.	Ranking Based on Articles				Ranking Based on Citations			
	University Name	Established year	Articles	Citations	University Name	Established year	Articles	Citations
62	Barkatullah University (BU)	1970	540	256	Kerala Agricultural University (KAU)	1996	596	286
63	Himachal Pradesh University (HPU)	1986	538	437	Manonmaniam Sundaranar University (MSU)	1980	598	276
64	Madurai Kamaraj University (MKU)	1991	527	229	Barkatullah University (BU)	1970	540	256
65	Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth (BSKKV)	1972	519	328	Veer Narmad South Gujarat University (VNSGU)	1994	249	247
66	Saurashtra University (SU)	1955	472	509	Swami Ramanand Teerth Marathwada University (SRTMU)	1954	288	235
67	Rani Durgavati Vishwavidyalaya (RDV)	1960	417	171	Madurai Kamaraj University (MKU)	1991	527	229
68	Sant Gadge Baba Amravati University (SGBAU)	1967	407	223	Rajiv Gandhi Proud yogiki Vishwavidyalaya (RGPV)	1970	197	227
69	Sardar Patel University (SPU)	1983	395	183	Sant Gadge Baba Amravati University (SGBAU)	1967	407	223
70	Pandit Ravishankar Shukla University (PRSU)	1962	361	180	North Maharashtra University (NMU)	1987	311	214
71	Berhampur University (BU)	1967	349	176	Alagappa University (AU)	1985	344	205
72	Cochin University of Science and Technology (CUST)	1971	349	108	Tamil Nadu Dr. M G R Medical University (TNMGRMU)	1997	72	201
73	Alagappa University (AU)	1985	344	205	Jawaharlal Nehru Technological University Hyderabad (JNTUH)	1946	778	194
74	Ranchi University (RU)	1996	337	85	Maharshi Dayanand Saraswati University (MDSU)	1998	189	192

Ranking Based on Articles		Ranking Based on Citations						
S.No.	University Name	Established year	Articles	Citations	University Name	Established year	Articles	Citations
	Mahatma Gandhi Chittrakoot Gramoday Vishwavidyalaya (MGCGV)	1976	324	183	University of Mumbai (UM)	1857	555	189
75								
76	North Maharashtra University (NMU)	1987	311	214	Sardar Patel University (SPU)	1983	395	183
77	Sri Padmavati Mahila Visvavidyalayam (SPMV)	1981	300	124	Mahatma Gandhi Chittrakoot Gramoday Vishwavidyalaya (MGCGV)	1976	324	183
78	Sri Venkateswara Institute of Medical Sciences (SVIMS)	1983	294	384	Pandit Ravishankar Shukla University (PRSU)	1962	361	180
79	Swami Ramanand Teerth Marathwada University (SRTMU)	1954	288	235	Berhampur University (BU)	1967	349	176
80	Mahatma Gandhi University (MGU)	1991	284	127	Rani Durgavati Vishwavidyalaya (RDV)	1960	417	171
81	Sambalpur University (SU)	1916	271	140	Devi Ahilya Vishwavidyalaya (DAV)	1964	257	171
82	Tilka Manjhi Bhagalpur University (TMBU)	1981	268	98	North Orissa University (NOU)	1990	207	168
83	Jawaharlal Nehru Technological University Anantapur (JNTUA)	1964	263	94	Maharaja Krishnakumarsinhji Bhavnagar University (MKBU)	1962	207	153
84	Devi Ahilya Vishwavidyalaya (DAV)	1964	257	171	Sambalpur University (SU)	1916	271	140
85	Goa University (GU)	1985	255	79	Guru Gobind Singh Indraprastha University (GGSIPU)	1980	218	133

S.No.	Ranking Based on Articles				Ranking Based on Citations			
	University Name	Established year	Articles	Citations	University Name	Established year	Articles	Citations
86	Ravenshaw University (RU)	1923	254	92	Mahatma Gandhi University (MGU)	1991	284	127
87	Veer Narmad South Gujarat University (VNSGU)	1994	249	247	Sri Padmavati Mahila Visvavidyalayam (SPMV)	1981	300	124
88	Patna University (PU)	1964	229	88	B R Ambedkar Bihar University (BRABU)	1960	195	124
89	Delhi Technological University (DTU)	1941	221	55	Cochin University of Science and Technology (CUST)	1971	349	108
90	Guru Gobind Singh Indraprastha University (GGSIU)	1980	218	133	Awadhesh Pratap Singh University (APSU)	1968	210	99
91	Awadhesh Pratap Singh University (APSU)	1968	210	99	Tilka Manjhi Bhagalpur University (TMBU)	1981	268	98
92	Maharaja Krishnakumarsinhji Bhavnagar University (MKBU)	1962	207	153	Jawaharlal Nehru Technological University Anantapur (JNTUA)	1964	263	94
93	North Orissa University (NOU)	1990	207	168	Tamil University (TU)	1989	136	94
94	Rajiv Gandhi Proudlyogiki Vishwavidyalaya (RGPV)	1970	197	227	Ravenshaw University (RU)	1923	254	92
95	B R Ambedkar Bihar University (BRABU)	1960	195	124	Patna University (PU)	1964	229	88
96	Maharshi Dayanand Saraswati University (MDSU)	1998	189	192	Hemchandracharya North Gujarat University (HNGU)	1969	156	88
97	Magadh University (MU)	1966	175	66	Jai Prakash Vishwavidyalaya (JPV)	1962	86	87
98	Lalit Narayan Mithila University (LNMU)	1987	163	43	Ranchi University (RU)	1996	337	85

S.No.	Ranking Based on Articles				Ranking Based on Citations			
	University Name	Established year	Articles	Citations	University Name	Established year	Articles	Citations
99	Hemchandracharya North Gujarat University (HNGU)	1969	156	88	Fakir Mohan University (FMU)	1999	107	80
100	Kannur University (KU)	1991	146	58	Goa University (GU)	1985	255	79
101	Gujarat University (GU)	1966	144	48	Baba Farid University of Health Sciences (BFUHS)	1998	23	69
102	Tamil University (TU)	1989	136	94	Magadh University (MU)	1966	175	66
103	Vinoba Bhave University (VBU)	1957	133	49	Maharashtra Animal and Fishery Sciences University (MAFSU)	1999	125	64
104	Jawaharlal Nehru Technological University Kakinada (JNTUK)	1972	131	12	Kannur University (KU)	1991	146	58
105	Jiwaji University (JU)	1946	130	34	Dharmsinh Desai University (DDU)	1968	54	56
106	Maharashtra Animal and Fishery Sciences University (MAFSU)	1999	125	64	Delhi Technological University (DTU)	1941	221	55
107	Mother Teresa Women's University (MTWU)	1962	116	18	Vikram University (VU)	1956	76	51
108	Fakir Mohan University (FMU)	1999	107	80	Vinoba Bhave University (VBU)	1957	133	49
109	Y M C A University of Science and Technology (YMCAUST)	1998	101	14	Gujarat University (GU)	1966	144	48
110	S N D T Women's University (SNDTWU)	1868	97	37	Lalit Narayan Mithila University (LNMU)	1987	163	43

S.No.	Ranking Based on Articles				Ranking Based on Citations			
	University Name	Established year	Articles	Citations	University Name	Established year	Articles	Citations
111	Deenbandhu Chhotu Ram University of Science and Technology (DCRUST)	1987	96	19	S N D T Women's University (SNDTWU)	1868	97	37
112	Veer Kunwar Singh University (VKSU)	1972	93	26	Jiwaji University (JU)	1946	130	34
113	Dravidian University (DU)	1997	86	22	Dr. Babasaheb Ambedkar Technological University (BATU)	1989	81	34
114	Jai Prakash Vishwavidyalaya (JPV)	1962	86	87	Maharashtra University of Health Sciences (MUHS)	2000	70	30
115	Dr. Babasaheb Ambedkar Technological University (BATU)	1989	81	34	Veer Kunwar Singh University (VKSU)	1972	93	26
116	Vikram University (VU)	1956	76	51	Dravidian University (DU)	1997	86	22
117	Tamil Nadu Dr. M G R Medical University (TNMGRMU)	1997	72	201	Rajiv Gandhi University of Health Sciences (RGUHS)	1998	39	21
118	Maharashtra University of Health Sciences (MUHS)	2000	70	30	Deenbandhu Chhotu Ram University of Science and Technology (DCRUST)	1987	96	19
119	Veer Surendra Sai University of Technology (VSSUT)	1965	65	5	Mother Teresa Women's University (MTWU)	1962	116	18
120	Dharmsinh Desai University (DDU)	1968	54	56	National Law School of India University (NLSIU)	1997	29	16
121	Makhanlal Chaturvedi Rashtriya Patrakarita Evam Sanchar Vishwavidyalaya (MCRPESV)	1968	50	14	Gujarat Ayurved University (GAU)	0	20	16

S.No.	Ranking Based on Articles				Ranking Based on Citations			
	University Name	Established year	Articles	Citations	University Name	Established year	Articles	Citations
122	Bhupendra Narayan Mandal University (BNMU)	1992	49	11	Y M C A University of Science and Technology (YMCAUST)	1998	101	14
123	Centre for Environmental Planning and Technology University (CEPTU)	1962	46	0	Makhanlal Chaturvedi Rashtriya Patrakarita Evam Sanchar Vishwavidyalaya (MCRPESV)	1968	50	14
124	Punjab Technical University (PTU)	1962	43	5	Jawaharlal Nehru Technological University Kakinada (JNTUK)	1972	131	12
125	Shri Mata Vaishno Devi University (SMVDU)	1962	41	6	Bhupendra Narayan Mandal University (BNMU)	1992	49	11
126	Rajiv Gandhi University of Health Sciences (RGUHS)	1998	39	21	Visvesvaraya Technological University (VTU)	1992	30	9
127	Sido Kanhu Murmu University (SKMU)	1999	35	1	Karnataka State Open University (KSOU)	1949	20	9
128	Visvesvaraya Technological University (VTU)	1992	30	9	National Law Institute University (NLIU)	1987	18	8
129	National Law School of India University (NLSIU)	1997	29	16	Shri Mata Vaishno Devi University (SMVDU)	1962	41	6
130	Madhya Pradesh Bhoj Open University (MPBOU)	1972	28	1	Veer Surendra Sai University of Technology (VSSUT)	1965	65	5
131	Yashwantrao Chavan Maharashtra Open University (YCMOU)	1969	26	5	Punjab Technical University (PTU)	1962	43	5
132	Baba Farid University of Health Sciences (BFUHS)	1998	23	69	Yashwantrao Chavan Maharashtra Open University (YCMOU)	1969	26	5
133	Gujarat Ayurved University (GAU)	0	20	16	Sree Sankaracharya University of Sanskrit (SSUS)	1992	10	5

S.No.	Ranking Based on Articles				Ranking Based on Citations			
	University Name	Established year	Articles	Citations	University Name	Established year	Articles	Citations
134	Karnataka State Open University (KSOU)	1949	20	9	Dr. N T R University of Health Sciences (NTRUHS)	1986	11	4
135	National Law Institute University (NLIU)	1987	18	8	Tamil Nadu Dr. Ambedkar Law University (TNALU)	1971	3	3
136	Dr. N T R University of Health Sciences (NTRUHS)	1986	11	4	Rajasthan Agricultural University (RAU)	1962	2	3
137	Sree Sankaracharya University of Sanskrit (SSUS)	1992	10	5	Sido Kanhu Murmu University (SKMU)	1999	35	1
138	Indira Gandhi University (IGU)	1987	4	0	Madhya Pradesh Bhoj Open University (MPBOU)	1972	28	1
139	Nalanda Open University (NOU)	1984	3	0	Kannada University (KU)	1964	1	1
140	Tamil Nadu Dr. Ambedkar Law University (TNALU)	1971	3	3	Centre for Environmental Planning and Technology University (CEPTU)	1962	46	0
141	Rajasthan Agricultural University (RAU)	1962	2	3	Indira Gandhi University (IGU)	1987	4	0
142	Kannada University (KU)	1964	1	1	Nalanda Open University (NOU)	1984	3	0

Source: ICI, 2004 – 2014

The category 'B' Universities are those established from the year 2001 onwards.

Table 3.4 (iv) Ranking of Category 'B' State Universities based on research productivity

S.No.	Ranking Based on Articles				Ranking Based on Citations			
	University Name	Established year	Articles	Citations	University Name	Established year	Articles	Citations
1	Junagadh Agricultural University (JAU)	2004	874	537	Junagadh Agricultural University (JAU)	2004	874	537
2	Anand Agricultural University (AAU)	2004	680	356	Anand Agricultural University (AAU)	2004	680	356
3	Guru Angad Dev Veterinary and Animal Sciences University (GADVASU)	2005	668	300	Guru Angad Dev Veterinary and Animal Sciences University (GADVASU)	2005	668	300
4	University of Agricultural Sciences Raichur (UAS Raichur)	2009	264	134	University of Agricultural Sciences Raichur (UAS Raichur)	2009	264	134
5	Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya (RVSKVV)	2008	216	133	Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya (RVSKVV)	2008	216	133
6	Bihar Agricultural University (BAU)	2010	183	28	Thiruvalluvar University (TU)	2002	127	131
7	Chaudhary Devi Lal University (CDLU)	2003	160	85	Karnataka Veterinary, Animal and Fisheries Sciences University (KVAFSU)	2005	160	92
8	Karnataka Veterinary, Animal and Fisheries Sciences University (KVAFSU)	2005	160	92	Chaudhary Devi Lal University (CDLU)	2003	160	85
9	Yogi Vemana University (YVU)	2006	157	38	Sri Venkateswara Veterinary University (SVVU)	2005	96	64
10	Dr. Y S R Horticultural University (YSRHU)	2007	154	20	Rayalaseema University (RU)	2008	99	40

S.No.	Ranking Based on Articles				Ranking Based on Citations			
	University Name	Established year	Articles	Citations	University Name	Established year	Articles	Citations
11	Lala Lajpat Rai University of Veterinary and Animal Sciences (LLRUVAS)	2010	129	12	Yogi Vemana University (YVU)	2006	157	38
12	Thiruvalluvar University (TU)	2002	127	131	Krishna University (KU)	2008	70	33
13	Rayalaseema University (RU)	2008	99	40	Bihar Agricultural University (BAU)	2010	183	28
14	Sri Venkateswara Veterinary University (SVVU)	2005	96	64	Rajasthan University of Veterinary and Animal Sciences (RUVAS)	2010	10	26
15	Krishna University (KU)	2008	70	33	University of Kota (UK)	2003	70	21
16	Pandit Bhagwat Dayal Sharma University of Health Sciences (PBDSUHS)	2008	70	13	Dr. Y S R Horticultural University (YSRHU)	2007	154	20
17	University of Kota (UK)	2003	70	21	Solapur University (SU)	2004	32	15
18	Krantiguru Shyamji Krishna Verma Kachchh University (KSKVKU)	2003	55	14	Krantiguru Shyamji Krishna Verma Kachchh University (KSKVKU)	2003	55	14
19	Madhya Pradesh Pashu Chikitsa Vigyan Vishwavidyalaya (MPPCVV)	2009	55	3	Pandit Bhagwat Dayal Sharma University of Health Sciences (PBDSUHS)	2008	70	13
20	Bhagat Phool Singh Mahila Vishwavidyalaya (BPSMV)	2006	54	12	Lala Lajpat Rai University of Veterinary and Animal Sciences (LLRUVAS)	2010	129	12
21	Vikrama Simhapuri University (VSU)	2008	43	4	Bhagat Phool Singh Mahila Vishwavidyalaya (BPSMV)	2006	54	12
22	National Law University (NLU)	2001	40	10	Kerala Veterinary and Animal Sciences University (KVASU)	2010	38	11

S.No.	Ranking Based on Articles				Ranking Based on Citations			
	University Name	Established year	Articles	Citations	University Name	Established year	Articles	Citations
23	Kerala Veterinary and Animal Sciences University (KVASU)	2010	38	11	National Law University (NLU)	2001	40	10
24	Karnataka State Women's University (KSWU)	2003	33	6	Dr. Sarvepalli Radhakrishnan Rajasthan Ayurved University (SRRAU)	2003	15	9
25	Solapur University (SU)	2004	32	15	Davangere University (DU)	2008	21	8
26	Tumkur University (TU)	2004	28	5	Karnataka State Women's University (KSWU)	2003	33	6
27	Chhattisgarh Kamdhenu Vishwavidyalaya (CKV) Vijayanagara Sri	2012	26	0	Tumkur University (TU)	2004	28	5
28	Krishnadevaraya University (VSKU)	2010	25	3	Rajasthan University of Health Sciences (RUHS)	2005	11	5
29	Kerala University of Fisheries and Ocean Studies (KUFOS)	2010	23	3	Vikrama Simhapuri University (VSU)	2008	43	4
30	Davangere University (DU)	2008	21	8	Baba Ghulam Shah Badshah University (BGSBU)	2002	19	4
31	Rani Channamma University (RCU)	2010	21	0	Hidayatullah National Law University (HNLU)	2003	18	4
32	Adikavi Nannaya University (ANU)	2006	20	1	Tamil Nadu Physical Education and Sports University (TNPESU)	2005	11	4
33	Baba Ghulam Shah Badshah University (BGSBU)	2002	19	4	Gujarat National Law University (GNLU)	2004	10	4

S.No.	Ranking Based on Articles				Ranking Based on Citations			
	University Name	Established year	Articles	Citations	University Name	Established year	Articles	Citations
34	Hidayatullah National Law University (HNLU)	2003	18	4	Kerala University of Health Sciences (KUHS)	2010	3	4
35	Bastar Vishwavidyalaya (BV)	2008	15	0	Madhya Pradesh Pashu Chikitsa Vigyan Vishwavidyalaya (MPPCVV)	2009	55	3
36	Dr. Sarvepalli Radhakrishnan Rajasthan Ayurved University (SRRAU)	2003	15	9	Vijayanagara Sri Krishnadevaraya University (VSKU)	2010	25	3
37	Gujarat Forensic Sciences University (GFSU)	2008	15	0	Kerala University of Fisheries and Ocean Studies (KUFOS)	2010	23	3
38	Rajasthan University of Health Sciences (RUHS)	2005	11	5	Jagadguru Ramanandacharya Rajasthan Sanskrit University (JGRRSU)	2001	1	2
39	Tamil Nadu Physical Education and Sports University (TNPEU)	2005	11	4	Adikavi Nannaya University (ANU)	2006	20	1
40	Gujarat National Law University (GNLU)	2004	10	4	Gujarat Technological University (GTU)	2007	5	1
41	Rajasthan University of Veterinary and Animal Sciences (RUVAS)	2010	10	26	Kushabhau Thakre Patrakarita Avam Jansanchar Vishwavidyalaya (KTPAJV)	2004	1	1
42	Guru Ravidas Ayurved University (GRAU)	2011	6	0	Chhattisgarh Kamdhenu Vishwavidyalaya (CKV)	2012	26	0

S.No.	Ranking Based on Articles				Ranking Based on Citations			
	University Name	Established year	Articles	Citations	University Name	Established year	Articles	Citations
43	Rajasthan Technical University (RTU)	2006	6	0	Rani Channamma University (RCU)	2010	21	0
44	Gujarat Technological University (GTU)	2007	5	1	Bastar Vishwavidyalaya (BV)	2008	15	0
45	Maharaja Ganga Singh University (MGSU)	2003	5	0	Gujarat Forensic Sciences University (GFSU)	2008	15	0
46	Atal Bihari Vajpayee Hindi Vishwavidyalaya (ABVHV)	2011	3	0	Guru Ravidas Ayurved University (GRAU)	2011	6	0
47	Kerala University of Health Sciences (KUHS)	2010	3	4	Rajasthan Technical University (RTU)	2006	6	0
48	Kolhan University (KU)	2009	3	0	Maharaja Ganga Singh University (MGSU)	2003	5	0
49	Krishna Kanta Handiqui State Open University (KKHSOU)	2006	3	0	Atal Bihari Vajpayee Hindi Vishwavidyalaya (ABVHV)	2011	3	0
50	National University of Study and Research in Law (NUSRL)	2010	3	0	Kolhan University (KU)	2009	3	0
51	Rajiv Gandhi National University of Law (RGNUL)	2006	3	0	Krishna Kanta Handiqui State Open University (KKHSOU)	2006	3	0
52	Tamil Nadu Open University (TNOU)	2002	3	0	National University of Study and Research in Law (NUSRL)	2010	3	0
53	Bilaspur Vishwavidyalaya (BV)	2012	2	0	Rajiv Gandhi National University of Law (RGNUL)	2006	3	0
54	Bodoland University (BU)	2009	2	0	Tamil Nadu Open University (TNOU)	2002	3	0

S.No.	Ranking Based on Articles				Ranking Based on Citations			
	University Name	Established year	Articles	Citations	University Name	Established year	Articles	Citations
55	Chanakya National Law University (CNLU)	2006	2	0	Bilaspur Vishwavidyalaya (BV)	2012	2	0
56	Gondwana University (GU)	2011	2	0	Bodoland University (BU)	2009	2	0
57	Indraprastha Institute of Information Technology Delhi (IIIT Delhi)	2008	2	0	Chanakya National Law University (CNLU)	2006	2	0
58	Nilamber Pitamber University (NUP)	2009	2	0	Gondwana University (GU)	2011	2	0
59	Assam Rajiv Gandhi University of Cooperative Management (ARGUCM)	2010	1	0	Indraprastha Institute of Information Technology Delhi (IIIT Delhi)	2008	2	0
60	Biju Patnaik University of Technology (BPUT)	2002	1	0	Nilamber Pitamber University (NUP)	2009	2	0
61	Jagadguru Ramanandacharya Rajasthan Sanskrit University (JGRRSU)	2001	1	2	Assam Rajiv Gandhi University of Cooperative Management (ARGUCM)	2010	1	0
62	Karnataka State Law University (KSLU)	2009	1	0	Biju Patnaik University of Technology (BPUT)	2002	1	0
63	Kushabhau Thakre Patrakarita Avam Jansanchar Vishwavidyalaya (KTPAJV)	2004	1	1	Karnataka State Law University (KSLU)	2009	1	0
64	Srimanta Sankaradeva University of Health Sciences (SSUHS)	2009	1	0	Srimanta Sankaradeva University of Health Sciences (SSUHS)	2009	1	0

Source: ICI, 2004 – 2014

3.5 Trend Analysis of Deemed Universities

Trend analysis is a method to evaluate the performance based on data of similar establishments of a defined period and is one of the tools used in the disclosure of strengths and weaknesses of the targeted objects. Here we are comparing performance of deemed universities of the country based on their research papers in journals published from India. Based on research papers and citations received counts, a relative position of deemed universities have been determined and shown in Table below. The analysis reveals the relative position of a university among the comity of deemed universities. Based on this, all stakeholders can take a note to induct corrective and competitive measures.

For this study purpose all deemed universities are divided into two categories, i.e. Category 'A' and Category 'B'. Category 'A' are those established prior/up to the year 2000 and Category 'B' established from 2001 onwards. A university needs about 12 – 15 years time for attaining maturity and comparable standard.

Table 3.5 (ii) Ranking of Category 'A' Deemed Universities based on research productivity

S.No	Ranking Based on Articles Established				Ranking Based on Citations Established			
	University Name	Year	Articles	Citations	University Name	Year	Articles	Citations
1	Indian Agricultural Research Institute (IARI)	1905	6910	7985	Indian Agricultural Research Institute (IARI)	1905	6910	7985
2	Indian Veterinary Research Institute (IVRI)	1889	4124	2614	Indian Veterinary Research Institute (IVRI)	1889	4124	2614
3	National Dairy Research Institute (NDRI)	1923	3016	2236	National Dairy Research Institute (NDRI)	1923	3016	2236
4	Indian Institute of Science (IIS)	1909	1595	907	National Institute of Mental Health and Neuro Sciences (NIMHNS)	1925	1379	1420
5	National Institute of Mental Health and Neuro Sciences (NIMHNS)	1925	1379	1420	Jamia Hamdard University (JHU)	1989	1195	933
6	V I T University (VITU)	1984	1337	625	Indian Institute of Science (IIS)	1909	1595	907
7	Jamia Hamdard University (JHU)	1989	1195	933	V I T University (VITU)	1984	1337	625
8	Sam Higginbottom Institute of Agriculture, Technology and Sciences (SHIATS)	1910	1090	421	Forest Research Institute (FRI)	1906	930	577
9	Forest Research Institute (FRI)	1906	930	577	Sri Ramachandra University (SRU)	1985	824	498
10	Sri Ramachandra University (SRU)	1985	824	498	Gurukula Kangri Vishwavidyalaya (GKV)	1902	588	486
11	Institute of Chemical Technology (ICT)	1933	640	330	Banasthali University (BU)	1935	633	456

S.No	Ranking Based on Articles Established				Ranking Based on Citations Established			
	University Name	Year	Articles	Citations	University Name	Year	Articles	Citations
12	SASTRA University (SASTRAU)	1984	640	278	Sam Higginbottom Institute of Agriculture, Technology and Sciences (SHIATS)	1910	1090	421
13	Banasthali University (BU)	1935	633	456	North Eastern Regional Institute of Science and Technology (NERIST)	1984	292	362
14	Birla Institute of Technology (BIT)	1955	617	337	Birla Institute of Technology (BIT)	1955	617	337
15	Indian School of Mines (ISM)	1926	609	221	Institute of Chemical Technology (ICT)	1933	640	330
16	Central Institute of Fisheries Education (CIFE)	1961	596	269	SASTRA University (SASTRAU)	1984	640	278
17	Gurukula Kangri Vishwavidyalaya (GKV)	1902	588	486	Central Institute of Fisheries Education (CIFE)	1961	596	269
18	Birla Institute of Technology and Science (BITS)	1964	435	145	Indian School of Mines (ISM)	1926	609	221
19	Dayalbagh Educational Institute (DEI)	1917	424	182	Dayalbagh Educational Institute (DEI)	1917	424	182
20	Gandhigram Rural Institute (GRI)	1956	397	144	PRIST University (PRISTU)	1985	385	175
21	PRIST University (PRISTU)	1985	385	175	Swami Vivekananda Yoga Anusandhana Samsthana (SVYAS)	1986	117	170
22	Tata Institute of Fundamental Research (TIFR)	1945	324	89	Krishna Institute of Medical Sciences University (KIMSU)	1982	273	159
23	North Eastern Regional Institute of Science and Technology (NERIST)	1984	292	362	Birla Institute of Technology and Science (BITS)	1964	435	145

S.No	Ranking Based on Articles			Ranking Based on Citations			
	University Name	Established Year	Articles	University Name	Established Year	Articles	Citations
24	International Institute for Population Sciences (IIPS)	1956	285	Gandhigram Rural Institute (GRI)	1956	397	144
25	Manipal University (MU)	1956	283	Vels University (VU)	1992	241	125
26	K L University (KLU)	1980	281	International Institute for Population Sciences (IIPS)	1956	285	120
27	Krishna Institute of Medical Sciences University (KIMSU)	1982	273	Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR)	1989	182	114
28	Sant Longowal Institute of Engineering and Technology (SLIET)	1989	243	Dr. M G R Educational and Research Institute University (MGRERIU)	1988	207	113
29	Vels University (VU)	1992	241	Manipal University (MU)	1956	283	109
30	Tata Institute of Social Sciences (TISS)	1936	225	Tata Institute of Fundamental Research (TIFR)	1945	324	89
31	Dr. M G R Educational and Research Institute University (MGRERIU)	1988	207	Gokhale Institute of Politics and Economics (GIPE)	1930	161	87
32	Maharishi Markandeshwar University (MMU)	1993	204	Gandhi Institute of Technology and Management (GITM)	1980	21	83
33	Thapar University (TU)	1956	193	Sant Longowal Institute of Engineering and Technology (SLIET)	1989	243	75
34	Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR)	1989	182	Tata Institute of Social Sciences (TISS)	1936	225	74

S.No	Ranking Based on Articles				Ranking Based on Citations			
	University Name	Year Established	Articles	Citations	University Name	Year Established	Articles	Citations
35	Avinashilingam Institute for Home Science and Higher Education for Women (AIHSEW)	1987	162	15	Narsee Monjee Institute of Management Studies (NMIMS)	1981	96	64
36	Gokhale Institute of Politics and Economics (GIPE)	1930	161	87	Jaypee Institute of Information Technology (JIIT)	2001	157	62
37	Jaypee Institute of Information Technology (JIIT)	2001	157	62	Graphic Era University (GEU)	1993	101	54
38	Kalasalangam University (KU)	1984	142	52	Kalasalangam University (KU)	1984	142	52
39	PEC University of Technology (PECUT)	1921	135	28	Thapar University (TU)	1956	193	50
40	Swami Vivekananda Yoga Anusandhana Samsthana (SVYAS)	1986	117	170	Vinayaka Missions University (VMU)	1981	117	48
41	Vinayaka Missions University (VMU)	1981	117	48	Maharishi Markandeshwar University (MMU)	1993	204	40
42	Christ University (CU)	1969	115	25	Indira Gandhi Institute of Development Research (IGIDR)	1987	84	40
43	Jain University (JU)	1990	113	18	K L University (KLU)	1980	281	38
44	Periyar Maniammai University (PMU)	1988	109	27	Sri Sathya Sai Institute of Higher Learning (SSSIHL)	1981	92	30
45	Graphic Era University (GEU)	1993	101	54	Bharati Vidyapeeth University (BVU)	1964	70	29
46	Narsee Monjee Institute of Management Studies (NMIMS)	1981	96	64	PEC University of Technology (PECUT)	1921	135	28
47	Sri Sathya Sai Institute of Higher Learning (SSSIHL)	1981	92	30	Periyar Maniammai University (PMU)	1988	109	27

S.No	Ranking Based on Articles				Ranking Based on Citations			
	University Name	Established Year	Articles	Citations	University Name	Established Year	Articles	Citations
48	Indira Gandhi Institute of Development Research (IGIDR)	1987	84	40	Gujarat Vidyapith (GV)	1920	43	27
49	Manav Rachna International University (MRIU)	1997	82	12	Christ University (CU)	1969	115	25
50	Indian Institute of Foreign Trade (IIFT)	1963	81	25	Indian Institute of Foreign Trade (IIFT)	1963	81	25
51	Bharati Vidyapeeth University (BVU)	1964	70	29	Jain University (JU)	1990	113	18
52	Indian Institute of Information Technology Allahabad (IIIT Allahabad)	1999	63	5	Deccan College Postgraduate and Research Institute (DCPRI)	1821	19	16
53	B S Abdur Rahman University (BSARU)	1984	58	3	Avinashilingam Institute for Home Science and Higher Education for Women (AIHSHEW)	1987	162	15
54	Gujarat Vidyapith (GV)	1920	43	27	Nehru Gram Bharati University (NGBU)	1996	27	14
55	Janardan Rai Nagar Rajasthan Vidyapeeth University (JRN RV)	1937	41	0	Manav Rachna International University (MRIU)	1997	82	12
56	National University of Educational Planning and Administration (NUEPA)	1962	40	6	National Brain Research Centre (NBRC)	1997	33	11
57	Lingaya's University (LU)	1998	39	2	S R M Institute of Science and Technology (SRMIST)	1786	13	10
58	National Brain Research Centre (NBRC)	1997	33	11	Sathyabama Institute of Science and Technology (SIST)	1987	15	9
59	Yenepoya University (YU)	1999	33	6	National University of Educational Planning and Administration (NUEPA)	1962	40	6

S.No	Ranking Based on Articles				Ranking Based on Citations			
	University Name	Year Established	Articles	Citations	University Name	Year Established	Articles	Citations
60	International Institute of Information Technology Hyderabad (IIIT Hyderabad)	1998	31	6	Yenepoya University (YU)	1999	33	6
61	Academy of Maritime Education and Training University (AMETU)	1993	27	3	International Institute of Information Technology Hyderabad (IIIT Hyderabad)	1998	31	6
62	Nehru Gram Bharati University (NGBU)	1996	27	14	Indian Institute of Information Technology Allahabad (IIIT Allahabad)	1999	63	5
63	Chennai Mathematical Institute (CMI)	1989	24	5	Chennai Mathematical Institute (CMI)	1989	24	5
64	Hindustan Institute of Technology and Science (HITS)	1985	24	4	International Institute of Information Technology Bangalore (IIIT Bangalore)	1999	24	5
65	International Institute of Information Technology Bangalore (IIIT Bangalore)	1999	24	5	Hindustan Institute of Technology and Science (HITS)	1985	24	4
66	Institute of Advanced Studies in Education (IASE)	1950	23	0	B S Abdur Rahman University (BSARU)	1984	58	3
67	Gandhi Institute of Technology and Management (GITM)	1980	21	83	Academy of Maritime Education and Training University (AMETU)	1993	27	3
68	Deccan College Postgraduate and Research Institute (DCPRI)	1821	19	16	Indian Law Institute (ILI)	1956	8	3
69	Saint Peter's University (SPU)	1872	17	2	Lingaya's University (LU)	1998	39	2
70	Rashtriya Sanskrit Vidyapeetha (RSV)	1961	16	1	Saint Peter's University (SPU)	1872	17	2
71	Sathyabama Institute of Science and Technology (SIST)	1987	15	9	Rashtriya Sanskrit Vidyapeetha (RSV)	1961	16	1

S.No	Ranking Based on Articles				Ranking Based on Citations			
	University Name	Established Year	Articles	Citations	University Name	Established Year	Articles	Citations
72	S R M Institute of Science and Technology (SRMIST)	1786	13	10	National Museum Institute (NMI)	1989	1	1
73	Indian Law Institute (ILI)	1956	8	3	Janardan Rai Nagar Rajasthan Vidyapeeth University (JRN RV)	1937	41	0
74	Tilak Maharashtra Vidyapeeth (TMV)	1921	8	0	Institute of Advanced Studies in Education (IASE)	1950	23	0
75	Rajiv Gandhi National Institute of Youth Development (RGNIYD)	1993	4	0	Tilak Maharashtra Vidyapeeth (TMV)	1921	8	0
76	Sri Devaraj Urs Academy of Higher Education and Research (SDUAHER)	1986	3	0	Rajiv Gandhi National Institute of Youth Development (RGNIYD)	1993	4	0
77	Jain Vishva Bharati Institute (JVBI)	1991	2	0	Sri Devaraj Urs Academy of Higher Education and Research (SDUAHER)	1986	3	0
78	BLDE University (BLDEU)	1986	1	0	Jain Vishva Bharati Institute (JVBI)	1991	2	0
79	Central University of Tibetan Studies (CUTS)	1967	1	0	BLDE University (BLDEU)	1986	1	0
80	National Museum Institute (NMI)	1989	1	1	Central University of Tibetan Studies (CUTS)	1967	1	0
81	Vel Tech Rangarajan Dr. Sagunthala R and D Institute of Science and Technology (VTRSRDIST)	1997	1	0	Vel Tech Rangarajan Dr. Sagunthala R and D Institute of Science and Technology (VTRSRDIST)	1997	1	0

Source: ICI, 2004 – 2014

Table 3.5 (iv) Ranking of Category 'B' Deemed Universities based on research productivity

S.No.	University Name	Ranking Based on Articles Established			Ranking Based on Citations Established		
		Year	Articles	Citations	Year	Articles	Citations
1	Jaypee Institute of Information Technology (JIIT)	2001	157	62	2001	157	62
2	Amrita Vishwa Vidyapeetham (AVV)	2003	110	60	2003	110	60
3	Institute of Liver and Biliary Sciences (ILBS)	2009	101	33	2009	101	33
4	Pravara Institute of Medical Sciences (PIMS)	2003	67	25	2003	67	25
5	Nitte University (NU)	2008	48	11	2002	36	17
6	Ramakrishna Mission Vivekananda University (RMVU)	2005	42	0	2008	23	16
7	Symbiosis International University (SIU)	2002	36	17	2008	48	11
8	Indian Institute of Space Science and Technology (IISST)	2007	33	5	2007	33	5
9	J S S University (JSSU)	2008	23	16	2005	11	3
10	Santosh University (SU)	2012	15	2	2012	15	2
11	National Institute of Food Technology Entrepreneurship and Management (NIFTEM)	2006	14	0	2005	13	1

S.No.	University Name	Ranking Based on Articles			Ranking Based on Citations		
		Established Year	Articles	Citations	Established Year	Articles	Citations
12	Homi Bhabha National Institute (HBNI)	2005	13	1	2008	1	1
13	Indian Institute of Information Technology Design and Manufacturing Jabalpur (IIITDM Jabalpur)	2005	11	3	2005	42	0
14	L N M Institute of Information Technology (LNMIIT)	2003	9	0	2006	14	0
15	Sri Siddhartha Academy of Higher Education (SSAHE)	2008	6	0	2003	9	0
16	D Y Patil Education Society (DYPPES)	2005	3	0	2008	6	0
17	Saveetha Institute of Medical and Technical Sciences (SIMTS)	2008	1	1	2005	3	0
18	Vignan's University (VU)	2008	1	0	2008	1	0

Source: ICI, 2004 – 2014

3.6 Trend Analysis of Private Universities

Trend analysis is a method to evaluate the performance based on data of similar establishments of a defined period and is one of the tools used in the disclosure of strengths and weaknesses of the targeted objects. Here we are comparing performance of state universities of the country based on their research papers in journals published from India. Based on research papers and citations received counts, a relative position of state universities have been determined and shown in Table below. The analysis reveals the relative position of a university among the comity of state universities. Based on this, all stakeholders can take a note to induct corrective and competitive measures.

For this study purpose all private universities are divided into two categories, i.e. Category 'A' and Category 'B'. Category 'A' are those established prior/up to the year 2000 and Category 'B' established from 2001 onwards. A university needs about 12 – 15 years time for attaining maturity and comparable standard.

Table 3.6 (ii) Ranking of Category 'A' Private Universities based on research productivity

S.No.	Ranking Based on Articles Established				Ranking Based on Citations Established			
	University Name	year	Articles	Citations	University Name	year	Articles	Citations
1	S R M University (SRMU)	1786	440	133	Presidency University (PU)	1817	416	264
2	Presidency University (PU)	1817	416	264	S R M University (SRMU)	1786	440	133
3	Mahatma Gandhi University (MGU)	1983	284	127	Mahatma Gandhi University (MGU)	1983	284	127
4	Manipal University (MU)	1956	282	108	Manipal University (MU)	1956	282	108
5	Maharishi Markandeshwar University (MMU)	1993	204	37	Integral University (IU)	1998	200	88
6	Integral University (IU)	1998	200	88	I C F A I University (ICFAIU)	1984	105	47
7	I C F A I University (ICFAIU)	1984	105	47	Maharishi Markandeshwar University (MMU)	1993	204	37
8	I T M University (ITMU)	1997	82	13	I F T M University (IFTMU)	1996	56	24
9	I F T M University (IFTMU)	1996	56	24	I T M University (ITMU)	1997	82	13
10	Maulana Azad National Urdu University (MANUU)	1998	45	3	Sikkim Manipal University (SMU)	1995	27	5
11	Sikkim Manipal University (SMU)	1995	27	5	Charotar University of Science and Technology (CUST)	2000	16	5
12	Shri Venkateshwara University (SVU)	1954	25	2	Maulana Azad National Urdu University (MANUU)	1998	45	3
13	Pacific Academy of Higher Education and Research Society (PAHERS)	1995	24	1	Shri Venkateshwara University (SVU)	1954	25	2
14	Charotar University of Science and Technology (CUST)	2000	16	5	E I L M University (EILMU)	1995	1	2
15	Mahatma Gandhi University of Medical Sciences and Technology (MGUMST)	1999	11	0	Pacific Academy of Higher Education and Research Society (PAHERS)	1995	24	1

Ranking Based on Articles			Ranking Based on Citations					
S.No.	University Name	Established year	Articles	Citations	University Name	Established year	Articles	Citations
16	Babu Banarasi Das University (BBDU)	1998	9	0	Mahatma Gandhi University of Medical Sciences and Technology (MGUMST)	1999	11	0
17	Invertis University (IU)	1998	7	0	Babu Banarasi Das University (BBDU)	1998	9	0
18	Desh Bhagat University (DBU)	1996	6	0	Invertis University (IU)	1998	7	0
19	AISECT University (AISECTU)	1985	4	0	Desh Bhagat University (DBU)	1996	6	0
20	The Institute of Chartered Financial Analysts of India University (ICFAIU)	1984	4	0	AISECT University (AISECTU)	1985	4	0
21	PES University (PESU)	1972	2	0	The Institute of Chartered Financial Analysts of India University (ICFAIU)	1984	4	0
22	DIT University (DITU)	1998	1	0	PES University (PESU)	1972	2	0
23	E I I L M University (EILLMU)	1995	1	2	DIT University (DITU)	1998	1	0

Source: ICI, 2004 – 2014

Table 3.6 (iv) Ranking of Category 'B' Private Universities based on research productivity

S.No.	Ranking Based on Articles				Ranking Based on Citations			
	University Name	Established year	Articles	Citations	University Name	Established year	Articles	Citations
1	Jaipur National University (JNU)	2007	363	180	Jaipur National University (JNU)	2007	363	180
2	Lovely Professional University (LPU)	2005	310	60	Shobhit University (SU)	2006	141	115
3	Singhania University (SU)	2007	266	47	Suresh Gyan Vihar University (SGVU)	2008	137	73
4	Shri Jagdishprasad Jhabarmal Tibrewala University (SJTTU)	2009	252	50	Lovely Professional University (LPU)	2005	310	60
5	Amity University (AU)	2003	176	42	Shri Jagdishprasad Jhabarmal Tibrewala University (SJTTU)	2009	252	50
6	Shobhit University (SU)	2006	141	115	Singhania University (SU)	2007	266	47
7	Suresh Gyan Vihar University (SGVU)	2008	137	73	Jodhpur National University (JNU)	2008	127	44
8	Jodhpur National University (JNU)	2008	127	44	Amity University (AU)	2003	176	42
9	Mewar University (MU)	2009	110	13	NIMS University (NIMSU)	2009	91	31
10	University of Petroleum and Energy Studies (UPES)	2003	94	18	Bhagwant University (BU)	2008	61	24
11	NIMS University (NIMSU)	2009	91	31	Shoolini University (SU)	2009	65	22
12	Shoolini University (SU)	2009	65	22	University of Petroleum and Energy Studies (UPES)	2003	94	18
13	Bhagwant University (BU)	2008	61	24	Manav Bharti University (MBU)	2009	61	17
14	Manav Bharti University (MBU)	2009	61	17	Mewar University (MU)	2009	110	13
15	Jaypee University of Information Technology (JUIT)	2002	49	10	Jayoti Vidyapeeth Women's University (JVWU)	2008	41	13

S.No.	Ranking Based on Articles			Ranking Based on Citations				
	University Name	Established year	Articles	Citations	University Name	Established year	Articles	Citations
16	Jaypee University of Engineering and Technology (JUET)	2003	47	4	Swami Vivekanand Subharti University (SVSU)	2008	21	13
17	Jayoti Vidyapeeth Women's University (JVWU)	2008	41	13	Jaypee University of Information Technology (JUET)	2002	49	10
18	Sharda University (SU)	2008	33	4	Nirma University (NU)	2003	22	9
19	R K University (RKU)	2005	30	0	Dr. Sarvepalli Radhakrishnan Rajasthan Ayurved University (SRRAU)	2003	15	9
20	Sir Padampat Singhania University (SPSU)	2008	29	3	Arni University (AU)	2009	11	9
21	Teerthanker Mahaveer University (TMU)	2008	28	6	Teerthanker Mahaveer University (TMU)	2008	28	6
22	Kadi Sarva Vishwavidyalaya (KSV)	2007	25	2	Mangalayatan University (MU)	2006	22	6
23	Dr. C V Raman University (CVRU)	2006	24	2	Dev Sanskriti Vishwavidyalaya (DSV)	2002	23	5
24	Dev Sanskriti Vishwavidyalaya (DSV)	2002	23	5	Jaypee University of Engineering and Technology (JUET)	2003	47	4
25	Galgotias University (GU)	2011	23	0	Sharda University (SU)	2008	33	4
26	Mahatma Jyoti Rao Phoolle University (MJRPU)	2009	23	2	Eternal University (EU)	2008	17	4
27	Mangalayatan University (MU)	2006	22	6	Chitkara University (CU)	2008	14	4
28	Nirma University (NU)	2003	22	9	University of Science and Technology (UST)	2008	12	4
29	Monad University (MU)	2010	21	2	Sir Padampat Singhania University (SPSU)	2008	29	3
30	Swami Vivekanand Subharti University (SVSU)	2008	21	13	People's University (PU)	2002	15	3

S.No.	Ranking Based on Articles				Ranking Based on Citations			
	University Name	Established year	Articles	Citations	University Name	Established year	Articles	Citations
31	MATS University (MATSU)	2006	20	0	Assam Down Town University (ADTU)	2010	14	3
32	Alliance University (AU)	2010	19	2	Dr. K N Modi University (KNMU)	2010	5	3
33	Azim Premji University (APU)	2010	19	1	Kadi Sarva Vishwavidyalaya (KSV)	2007	25	2
34	Sunrise University (SU)	2011	19	2	Dr. C V Raman University (CVRU)	2006	24	2
35	Eternal University (EU)	2008	17	4	Mahatma Jyoti Rao Phoole University (MJRPU)	2009	23	2
36	G L A University (GLAU)	2010	17	0	Monad University (MU)	2010	21	2
37	J K Lakshmiapat University (JKLU)	2011	17	0	Alliance University (AU)	2010	19	2
38	Dr. Sarvepalli Radhakrishnan Rajasthan Ayurved University (SRRAU)	2003	15	9	Sunrise University (SU)	2011	19	2
39	People's University (PU)	2002	15	3	Swami Rama Himalayan University (SRHU)	2012	3	2
40	Assam Down Town University (ADTU)	2010	14	3	Azim Premji University (APU)	2010	19	1
41	Chitkara University (CU)	2008	14	4	NIIT University (NIITU)	2009	13	1
42	Pandit Deendayal Petroleum University (PDDPU)	2007	14	0	Jagan Nath University (JNU)	2005	12	1
43	Baddi University of Emerging Sciences and Technology (BUEST)	2002	13	0	Ahmedabad University (AU)	2009	7	1
44	Dhirubhai Ambani Institute of Information and Communication Technology (DAICT)	2001	13	0	Himgiri Zee University (HZU)	2003	5	1
45	NIIT University (NIITU)	2009	13	1	Himalayan University (HU)	2013	4	1

S.No.	Ranking Based on Articles				Ranking Based on Citations			
	University Name	Established year	Articles	Citations	University Name	Established year	Articles	Citations
46	CMJ University (CMJU)	2009	12	0	Poornima University (PU)	2012	2	1
47	Jagan Nath University (JNU)	2005	12	1	R K University (RKU)	2005	30	0
48	University of Science and Technology (UST)	2008	12	4	Galgotias University (GU)	2011	23	0
49	Apeejay Stya University (ASU)	2010	11	0	MATS University (MATSU)	2006	20	0
50	Arni University (AU)	2009	11	9	G L A University (GLAU)	2010	17	0
51	M S Ramaiah University of Applied Sciences (MSRUAS)	2013	11	0	J K Lakshmi pat University (JKLU)	2011	17	0
52	Shiv Nadar University (SNU)	2011	10	0	Pandit Deendayal Petroleum University (PDPU)	2007	14	0
53	Sri Guru Granth Sahib World University (SGGSWU)	2004	9	0	Baddi University of Emerging Sciences and Technology (BUEST)	2002	13	0
54	Ahmedabad University (AU)	2009	7	1	Dhirubhai Ambani Institute of Information and Communication Technology (DAIICT)	2001	13	0
55	Centurion University of Technology and Management (CUTM)	2010	7	0	CMJ University (CMJU)	2009	12	0
56	Sri Sai University (SSU)	2010	7	0	Apeejay Stya University (ASU)	2010	11	0
57	Ansal University (AU)	2012	6	0	M S Ramaiah University of Applied Sciences (MSRUAS)	2013	11	0
58	Chandigarh University (CU)	2012	6	0	Shiv Nadar University (SNU)	2011	10	0
59	R K D F University (RKDFU)	2012	6	0	Sri Guru Granth Sahib World University (SGGSWU)	2004	9	0
60	Career Point University (CPU)	2012	5	0	Centurion University of Technology and Management (CUTM)	2010	7	0

S.No.	Ranking Based on Articles				Ranking Based on Citations			
	University Name	Established year	Articles	Citations	University Name	Established year	Articles	Citations
61	Dr. K N Modi University (KNMU)	2010	5	3	Sri Sai University (SSU)	2010	7	0
62	Ganpat University (GU)	2005	5	0	Ansal University (AU)	2012	6	0
63	Glocal University (GU)	2012	5	0	Chandigarh University (CU)	2012	6	0
64	Himgiri Zee University (HZU)	2003	5	1	R K D F University (RKDFU)	2012	6	0
65	Kaziranga University (KU)	2012	5	0	Career Point University (CPU)	2012	5	0
66	Navrachana University (NU)	2009	5	0	Ganpat University (GU)	2005	5	0
67	Sai Nath University (SNU)	2012	5	0	Glocal University (GU)	2012	5	0
68	A K S University (AKSU)	2011	4	0	Kaziranga University (KU)	2012	5	0
69	DAV University (DAVU)	2013	4	0	Navrachana University (NU)	2009	5	0
70	Himalayan University (HU)	2013	4	1	Sai Nath University (SNU)	2012	5	0
71	Noida International University (NIU)	2010	4	0	A K S University (AKSU)	2011	4	0
72	SGT University (SGTU)	2013	4	0	DAV University (DAVU)	2013	4	0
73	AURO University (AUROU)	2011	3	0	Noida International University (NIU)	2010	4	0
74	Bahra University (BU)	2014	3	0	SGT University (SGTU)	2013	4	0
75	Jagadguru Rambhadracharya Handicapped University (JRHU)	2001	3	0	AURO University (AUROU)	2011	3	0
76	Martin Luther Christian University (MLCU)	2005	3	0	Bahra University (BU)	2014	3	0
77	O P Jindal Global University (OPJGU)	2009	3	0	Jagadguru Rambhadracharya Handicapped University (JRHU)	2001	3	0
78	Rai University (RU)	2005	3	0	Martin Luther Christian University (MLCU)	2005	3	0
79	Shri Ramswaroop Memorial University (SRMU)	2012	3	0	O P Jindal Global University (OPJGU)	2009	3	0
80	Shridhar University (SU)	2010	3	0	Rai University (RU)	2005	3	0

S.No.	Ranking Based on Articles				Ranking Based on Citations			
	University Name	Established year	Articles	Citations	University Name	Established year	Articles	Citations
81	Swami Rama Himalayan University (SRHU)	2012	3	2	Shri Ramswaroop Memorial University (SRMU)	2012	3	0
82	Swami Vivekanand University (SVU)	2012	3	0	Shridhar University (SU)	2010	3	0
83	The Institute of Trans-Disciplinary Health Sciences and Technology (ITDHST)	2013	3	0	Swami Vivekanand University (SVU)	2012	3	0
84	Vinayaka Missions Sikkim University (VMSU)	2008	3	0	The Institute of Trans-Disciplinary Health Sciences and Technology (ITDHST)	2013	3	0
85	Adesh University (AU)	2012	2	0	Vinayaka Missions Sikkim University (VMSU)	2008	3	0
86	Baba Mastnath University (BMU)	2012	2	0	Adesh University (AU)	2012	2	0
87	Guru Kashi University (GKU)	2011	2	0	Baba Mastnath University (BMU)	2012	2	0
88	Indus University (IU)	2006	2	0	Guru Kashi University (GKU)	2011	2	0
89	JECRC University (JECRCU)	2012	2	0	Indus University (IU)	2006	2	0
90	Maharaj Vinayak Global University (MVGU)	2012	2	0	JECRC University (JECRCU)	2012	2	0
91	Maharaja Agrasen University (MAU)	2013	2	0	Maharaj Vinayak Global University (MVGU)	2012	2	0
92	Poornima University (PU)	2012	2	1	Maharaja Agrasen University (MAU)	2013	2	0
93	Team Lease Skills University (TLSU)	2013	2	0	Team Lease Skills University (TLSU)	2013	2	0
94	Uttaranchal University (UU)	2002	2	0	Uttaranchal University (UU)	2002	2	0
95	William Carey University (WCU)	2005	2	0	William Carey University (WCU)	2005	2	0

S.No.	Ranking Based on Articles				Ranking Based on Citations			
	University Name	Established year	Articles	Citations	University Name	Established year	Articles	Citations
96	BML Munjal University (BMLMU)	2014	1	0	BML Munjal University (BMLMU)	2014	1	0
97	Graphic Era Hill University (GRHU)	2011	1	0	Graphic Era Hill University (GRHU)	2011	1	0
98	IEC University (IECU)	2012	1	0	IEC University (IECU)	2012	1	0
99	K R Mangalam University (KRMU)	2013	1	0	K R Mangalam University (KRMU)	2013	1	0
100	M V N University (MVNU)	2012	1	0	M V N University (MVNU)	2012	1	0
101	Mohammad Ali Jauhar University (MAJU)	2006	1	0	Mohammad Ali Jauhar University (MAJU)	2006	1	0
102	Reva University (RU)	2012	1	0	Reva University (RU)	2012	1	0
103	Sangam University (SU)	2012	1	0	Sangam University (SU)	2012	1	0
104	Techno India University (TIU)	2012	1	0	Techno India University (TIU)	2012	1	0
105	The Global Open University (GOU)	2006	1	0	The Global Open University (GOU)	2006	1	0
106	Vivekananda Global University (VGU)	2012	1	0	Vivekananda Global University (VGU)	2012	1	0
107	Xavier University (XU)	2013	1	0	Xavier University (XU)	2013	1	0
108	Mohammad Ali Jauhar University (MAJU)	2006	1	0	Mohammad Ali Jauhar University (MAJU)	2006	1	0
109	Reva University (RU)	2012	1	0	Reva University (RU)	2012	1	0
110	Sangam University (SU)	2012	1	0	Sangam University (SU)	2012	1	0
111	Techno India University (TIU)	2012	1	0	Techno India University (TIU)	2012	1	0
112	Vivekananda Global University (VGU)	2012	1	0	Vivekananda Global University (VGU)	2012	1	0

Source: ICI, 2004 – 2014

4.0 Research Journals Published from India

In India first journal 'Asiatick Researches' published in 1788. Since then journals publication in India has come to a long way and as of now over 6000 journals in various forms and styles are being published from India. The figure of 6000+ is quite impressive but all these are not research journals. In category of journals many different type of publications like news papers, newsletters, house journals, business news, magazines, popular periodicals, etc. also accounted for. However, out of 6000+ journals category publications about 1800 journals is good research oriented and peer reviewed publications but 500 – 600 journals either irregular or running late. Thus, there are only 1200 – 1300 journals remains to be considered as indexable in Indian Citation Index (ICI). Currently, 900 + journals of all subjects are indexed with data depth of 2004 onwards.

4.1. Subject wise research journals/publications published from India

1 Agriculture: India is known as Agriculture dominating country; therefore, in Agriculture domain India has over 100 years history of research journals. In Agriculture subject, the number of journals published from India and indexed in Indian Citation Index (ICI) is 109. The oldest journals in Agriculture science from India is 'Madras Agricultural Journal (The)' published in 1911, followed by 'Indian Journal of Agricultural Sciences (The)' 1931, 'Indian Journal of Entomology' 1939, 'Indian Journal of Horticulture' 1942', Indian Journal of Agricultural Economics' and Indian Journal of Soil and Water Conservation' both in 1946. Thus, till independence of the country there were 06 research journals in Agriculture subject. After independence things did start differently and number of journals in all associated fields of Agriculture grew in gradual order over the period of time.

Table 4.1 (1) List of 'Agriculture' Journals

S.No.	Journal Name	Publication	
		Start Year	Print ISSN No.
1	ADVANCES IN PLANT SCIENCES	1988	0970-3586
2	ADVANCES IN POLLEN SPORE RESEARCH	1991	0376-480X
3	AGRICULTURAL ECONOMICS RESEARCH REVIEW	1987	0971-3441
4	AGRICULTURAL ENGINEERING TODAY	1977	0970-2962
5	AGRICULTURAL EXTENSION REVIEW	1989	0971-5827
6	AGRICULTURAL RESEARCH JOURNAL	2015	0048-6019
7	AGRICULTURAL REVIEWS	1980	0253-1496
8	AGRICULTURAL SCIENCE DIGEST - A RESEARCH JOURNAL	1981	0253-150X
9	AGROPEDOLOGY	1991	0971-1570
10	AMALA - RESEARCH BULLETIN	1982	0971-4987
11	ANDHRA AGRICULTURAL JOURNAL (THE)	1954	0003-2950
12	ANNALS OF AGRI BIO RESEARCH	1996	0971-9660
13	ANNALS OF AGRICULTURAL RESEARCH	1980	0970-3179
14	ANNALS OF ARID ZONE	1962	0570-1791
15	ANNALS OF ENTOMOLOGY	1983	0970-3721
16	ANNALS OF HORTICULTURE	2008	0974-8784
17	ANNALS OF PLANT AND SOIL RESEARCH	1999	0972-1959
18	ANNALS OF PLANT PHYSIOLOGY	1987	0971-9924
19	ANNALS OF PLANT PROTECTION SCIENCES	1993	0971-3573

S.No.	Journal Name	Publication	
		Start Year	Print ISSN No.
20	ASIAN AGRI HISTORY	1997	0971-7730
21	ASIAN JOURNAL OF HORTICULTURE (THE)	2006	0973-4767
22	BIOVED	1990	0971-0108
23	BRASSICA	1999	0972-1517
24	BULLETIN OF THE INDIAN ACADEMY OF SERICULTURE	1997	0972-1657
25	CASHEW (THE)	1987	0970-2423
26	CASHEW AND COCOA JOURNAL (THE)	2009	0970-2423
27	COTTON RESEARCH JOURNAL	2010	0970-308X
28	CROP IMPROVEMENT	1974	0256-0933
29	CROP RESEARCH	1988	0970-4884
30	CURRENT AGRICULTURE	1977	0254-1092
31	CURRENT NEMATOLOGY	1990	0971-0116
32	ENTOMON	1976	0377-9335
33	FORAGE RESEARCH	1975	0972-7183
34	GUJARAT AGRICULTURAL UNIVERSITY RESEARCH JOURNAL	1975	0250-5193
35	HARYANA AGRICULTURAL UNIVERSITY JOURNAL OF RESEARCH	1971	0379-4008
36	HARYANA JOURNAL OF AGRONOMY	1984	0970-5414
37	HARYANA JOURNAL OF HORTICULTURAL SCIENCES	1972	0970-2873
38	HORTICULTURAL JOURNAL (THE)	1989	0971-1872
39	IAPQR TRANSACTIONS	1976	0970-0102
40	INDIAN AGRICULTURIST	1957	0019-4336
41	INDIAN JOURNAL OF AGRICULTURAL BIOCHEMISTRY	1988	0970-6399
42	INDIAN JOURNAL OF AGRICULTURAL CHEMISTRY	1968	0367-8229
43	INDIAN JOURNAL OF AGRICULTURAL ECONOMICS	1946	0019-5014
44	INDIAN JOURNAL OF AGRICULTURAL MARKETING	1987	0971-8664
45	INDIAN JOURNAL OF AGRICULTURAL RESEARCH	1971	0367-8245
46	INDIAN JOURNAL OF AGRICULTURAL SCIENCES (THE)	1931	0019-5022
47	INDIAN JOURNAL OF AGRONOMY	1956	0537-197X
48	INDIAN JOURNAL OF APPLIED ENTOMOLOGY	1987	0970-9509
49	INDIAN JOURNAL OF ARECANUT, SPICES & MEDICINAL PLANTS	1999	0972-2483
50	INDIAN JOURNAL OF CROP SCIENCE (THE)	2006	0973-4880
51	INDIAN JOURNAL OF DRYLAND AGRICULTURAL RESEARCH AND DEVELOPMENT	1986	0971-2062
52	INDIAN JOURNAL OF ENTOMOLOGY	1939	0367-8288
53	INDIAN JOURNAL OF FERTILISERS	2005	0973-1822
54	INDIAN JOURNAL OF HORTICULTURE	1942	0972-8538
55	INDIAN JOURNAL OF NEMATOLOGY	1971	0303-6960
56	INDIAN JOURNAL OF SERICULTURE	1962	0445-7722
57	INDIAN JOURNAL OF SOIL CONSERVATION	1973	0970-3349
58	INDIAN JOURNAL OF TROPICAL BIODIVERSITY	1993	0971-4642
59	INDIAN JOURNAL OF VIROLOGY	1985	0970-2822

S.No.	Journal Name	Publication	
		Start Year	Print ISSN No.
60	INDIAN JOURNAL OF WEED SCIENCE	1969	0253-8040
61	INTERNATIONAL JOURNAL OF AGRICULTURAL ENGINEERING	2008	0974-2662
62	INTERNATIONAL JOURNAL OF AGRICULTURAL SCIENCES	2005	0973-130X
63	INTERNATIONAL JOURNAL OF AGRICULTURE, ENVIRONMENT AND BIOTECHNOLOGY	2008	0974-1712
64	INTERNATIONAL JOURNAL OF APPLIED AGRICULTURAL RESEARCH	2006	0973-2683
65	INTERNATIONAL JOURNAL OF BASIC AND APPLIED AGRICULTURAL RESEARCH	2014	0972-8813
66	INTERNATIONAL JOURNAL OF TROPICAL AGRICULTURE	1983	0254-8755
67	JOURNAL OF AGRICULTURAL ENGINEERING	1963	0256-6524
68	JOURNAL OF AGROMETEOROLOGY	1999	0972-1665
69	JOURNAL OF APHIDOLOGY	1987	0970-3810
70	JOURNAL OF APPLIED HORTICULTURE	1999	0972-1045
71	JOURNAL OF COFFEE RESEARCH	1973	0374-8537
72	JOURNAL OF ENTOMOLOGICAL RESEARCH	1977	0378-9519
73	JOURNAL OF HILL AGRICULTURE	2010	0976-7606
74	JOURNAL OF MYCOLOGY AND PLANT PATHOLOGY	1971	0971-9393
75	JOURNAL OF MYCOPATHOLOGICAL RESEARCH	1963	0971-3719
76	JOURNAL OF NUCLEAR AGRICULTURE AND BIOLOGY	1972	0379-5489
77	JOURNAL OF OILSEEDS RESEARCH	1983	0970-2776
78	JOURNAL OF ORNAMENTAL HORTICULTURE	1993	0972-0499
79	JOURNAL OF RESEARCH ANGRAU (THE)	1973	0970-0226
80	JOURNAL OF RESEARCH, PUNJAB AGRICULTURAL UNIVERSITY (PAU)	1964	0048-6019
81	JOURNAL OF RESEARCH, SKUAST-J	2001	0972-7469
82	JOURNAL OF RICE RESEARCH	2006	2319-3670
83	JOURNAL OF ROOT CROPS	1975	0378-2409
84	JOURNAL OF SOIL AND WATER CONSERVATION	1946	0022-457X
85	JOURNAL OF SOILS & CROPS	1990	0971-2836
86	JOURNAL OF SPICES AND AROMATIC CROPS	1992	0971-3328
87	JOURNAL OF THE INDIAN SOCIETY FOR COTTON IMPROVEMENT	1976	0970-308X
88	JOURNAL OF THE INDIAN SOCIETY OF SOIL SCIENCE	1953	0019-638X
89	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): AGRICULTURAL ENGINEERING DIVISION BOARD	1982	0257-3431
90	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): SERIES A - CIVIL, ARCHITECTURAL, ENVIRONMENTAL AND AGRICULTURAL ENGINEERING	2012	2250-2149
91	JOURNAL OF TROPICAL AGRICULTURE	1993	0971-636X
92	KARNATAKA JOURNAL OF AGRICULTURAL SCIENCES	1988	0972-1061
93	LEGUME RESEARCH	1978	0250-5371
94	MADRAS AGRICULTURAL JOURNAL (THE)	1911	0024-9602
95	MUSHROOM RESEARCH	1992	0972-4885

S.No.	Journal Name	Publication	
		Start Year	Print ISSN No.
96	NATURAL RUBBER RESEARCH	1988	0970-2431
97	NEW AGRICULTURIST	1989	0971-0647
98	ORYZA	2000	0474-7615
99	PEST MANAGEMENT IN HORTICULTURAL ECOSYSTEMS	1995	0971-6831
100	PESTICIDE RESEARCH JOURNAL	1989	0970-6763
101	PESTOLOGY	1977	0970-3012
102	POTATO JOURNAL	2004	0970-8235
103	PROGRESSIVE AGRICULTURE	2001	0972-6152
104	RESEARCH ON CROPS	2000	0972-3226
105	RUBBER SCIENCE	2012	0970-2431
106	SOUTH INDIAN HORTICULTURE	1957	0038-3473
107	TOBACCO RESEARCH	1975	0379-055X
108	VEGETOS- AN INTERNATIONAL JOURNAL OF PLANT RESEARCH	1988	0970-4078
109	VIRUSDISEASE	2014	2347-3584

Source: ICI, 2004 – 2014

- 2 Anthropology:** is the study of humans, past and present. To understand the full sweep and complexity of cultures across all of human history, anthropology draws and builds upon knowledge from the social and biological sciences as well as the humanities and physical sciences. There are seven journals published from India and continued during 1900 – 2014. The first journal in Anthropology published in 1947, i.e. ‘Eastern Anthropologist (The)’, followed by ‘Journal of the Indian Anthropological Society’, 1966, ‘Indian Anthropologist’ 1971, ‘Indian Journal of Physical Anthropology and Human Genetics’ 1975, ‘Anthropologist (The)’ 1999, ‘Oriental Anthropologist (The)’ and ‘South Indian Anthropologist’ both came in 2001.

Table 4.1 (2) List of ‘Anthropology’ Journals

S.No.	Journal Name	Publication Start	
		Year	Print ISSN No.
1	ANTHROPOLOGIST (THE)	1999	0972-0073
2	EASTERN ANTHROPOLOGIST (THE)	1947	0012-8686
3	INDIAN ANTHROPOLOGIST	1971	0970-0927
4	INDIAN JOURNAL OF PHYSICAL ANTHROPOLOGY AND HUMAN GENETICS	1975	0378-8156
5	JOURNAL OF THE INDIAN ANTHROPOLOGICAL SOCIETY	1966	0019-4387
6	ORIENTAL ANTHROPOLOGIST (THE)	2001	0972-558X
7	SOUTH ASIAN ANTHROPOLOGIST	2001	0257-7348

Source: ICI, 2004 – 2014

- 3 Apiculture:** is known as ‘Beekeeping’ in general terms. It is the maintenance of honey bee colonies, commonly in hives, by humans. A beekeeper keeps bees in order to collect their honey and other products that the hive produces like beeswax, propolis, pollen, and royal jelly. Also, bees play very significant role in pollination of crops, or to produce bees for sale to other beekeepers. A location where bees are kept is called an apiary or “bee yard”. In ‘Apiculture’ subject there are only two journals,

i.e. 'Indian Bee Journal' published from 1939, and other one 'Journal of Dairying Food and Home Science' published from 1982.

Table 4.1 (3) List of 'Apiculture' Journals

S.No.	Subject Cat.	Publication Name	Publication Start	
			Year	Print ISSN No.
1	APICULTURE	INDIAN BEE JOURNAL	1939	0019-4425
2	APICULTURE	JOURNAL OF DAIRYING FOOD AND HOME SCIENCE	1982	0971-4456

Source: ICI, 2004 – 2014

4 Arts and Humanities: deals in art and design, dance, drama, fine art, history of art, music, media studies, religious studies, language and literature, etc. Though, this subject area represents many aspects of knowledge spectrum but there are only seven core journals which indicate no much growth and research in India in this area of study.

Table 4.1 (4). List of Journals of 'Arts and Humanities'

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
1	BIOSCOPE: SOUTH ASIAN SCREEN STUDIES	2010	0974-9276
2	CHINA REPORT	1965	0009-4455
3	INDIAN REVIEW OF WORLD LITERATURE IN ENGLISH (THE)	2005	0974-097X
4	JOURNAL OF CREATIVE COMMUNICATIONS	2006	0973-2586
5	MEDIA WATCH	2010	0976-0911
6	MODERN JOURNAL OF APPLIED LINGUISTICS (THE)	2009	0974-8741
7	THE CRITERION: AN INTERNATIONAL JOURNAL IN ENGLISH	2010	0976-8165

Source: ICI, 2004 – 2014

5 Astronomy, Astrophysics, Space and Geodesy: astronomy refers to the study of objects and matter outside the earth's atmosphere and of their physical and chemical properties and astrophysics refers to the branch of astronomy dealing with the behavior, physical properties, and dynamic processes of celestial objects and phenomena. Geodesy deals with the shape and area of the earth or large portions of it. These branches are the oldest science subject areas and in India too 'Aryabhata' is known as one of the famous and classical sage who born in 476 AD and worked for mathematics and astronomy. However, number of journals in this discipline are not much, there are only five core journals, wherein first is 'Indian Journal of Aerospace Medicine' came in 1954, followed by 'Indian Journal of Radio and Space Physics' 1972, 'Bulletin of the Astronomical Society of India' 1973, 'Journal of Astrophysics and Astronomy', and 'Journal of Aerospace Sciences and Technologies' 2004.

Table 4.1 (5). List of Journals of ‘Astronomy, Astrophysics, Space and Geodesy’

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
1	BULLETIN OF THE ASTRONOMICAL SOCIETY OF INDIA	1973	0304-9523
2	INDIAN JOURNAL OF AEROSPACE MEDICINE	1954	0970-6666
3	INDIAN JOURNAL OF RADIO & SPACE PHYSICS	1972	0367-8393
4	JOURNAL OF AEROSPACE SCIENCES AND TECHNOLOGIES	2004	0972-950X
5	JOURNAL OF ASTROPHYSICS & ASTRONOMY	1980	0250-6335

Source: ICI, 2004 – 2014

6 Biological Science: is an exciting and rapidly developing subject area. Biological science is a natural *science* concerned with the study of life and living organisms, including their structure, function, growth, evolution, distribution, and taxonomy. The advancement in life science has undergone tremendous expansion in recent year’s world widely. India too has good work in this area of discipline and as result of this 105 research journals are being published from India. In Biological Science, the oldest journal in India is ‘Journal of Genetics’ published from 1910, followed by ‘Proceedings of the National Academy of Sciences, India, Section B, Biological Sciences’ 1930, ‘Indian Journal Entomology’, 1939, and ‘Indian Journal of Genetics and Plant Breeding (The)’ 1941. These four journals published prior to the country’s independence, and thereafter a good growth of journals in ‘Biological Science’ is well visible from Table.

Table 4.1 (6). List of Journals of ‘Biological Science’

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
1	ADVANCES IN BIORESEARCH	2010	0976-4585
2	ALLELOPATHY JOURNAL	1994	0971-4693
3	ANNALS OF AGRI BIO RESEARCH	1996	0971-9660
4	ANNALS OF BIOLOGY	1984	0970-0153
5	ANNALS OF NEUROSCIENCES	1994	0972-7531
6	APPLIED BIOLOGICAL RESEARCH	1999	0972-0979
7	ASIAN JOURNAL OF BIO SCIENCE	2006	0973-4899
8	ASIAN JOURNAL OF EXPERIMENTAL BIOLOGICAL SCIENCES	2010	0975-5845
9	ASIAN JOURNAL OF MICROBIOLOGY BIOTECHNOLOGY & ENVIRONMENTAL SCIENCES	1999	0972-3005
10	BIO-SCIENCE RESEARCH BULLETIN	1985	0970-0889
11	BIOCHEMICAL AND CELLULAR ARCHIVES	2001	0972-5075
12	BIOLOGY AND MEDICINE	2009	0974-8369
13	BIOMEDICAL RESEARCH	1990	0970-938X
14	BIOMEDICINE	1980	0970-2067
15	BIONATURE	1981	0970-9835
16	BIONOTES	1999	0972-1800
17	BIOSCIENCES, BIOTECHNOLOGY RESEARCH ASIA	2003	0973-1245
18	BIOVED	1990	0971-0108

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
19	BULLETIN ON BIOLOGICAL SCIENCES (THE)	2003	0973-8126
20	CURRENT TOPICS IN PEPTIDE & PROTEIN RESEARCH	1994	0972-4524
21	ECO-RESEARCH JOURNAL OF BIO-SCIENCES	2002	0972-6403
22	ECOLOGY ENVIRONMENT & CONSERVATION	1995	0971-765X
23	ELECTRONIC JOURNAL OF PLANT BREEDING	2009	0975-928X
24	ENTOMON	1976	0377-9335
25	ENVIRONMENT AND ECOLOGY	1983	0970-0420
26	ENVIS BULLETIN - HIMALAYAN ECOLOGY	1993	0971-7447
27	FLORA AND FAUNA	1995	0971-6920
28	GEOBIOS	1974	0251-1223
29	IIOAB JOURNAL (THE)	2010	0976-3104
30	INDIAN BIOLOGIST	1969	0302-7554
31	INDIAN JOURNAL OF AEROBIOLOGY	1988	0971-1546
32	INDIAN JOURNAL OF APPLIED & PURE BIOLOGY	1986	0970-2091
33	INDIAN JOURNAL OF APPLIED ENTOMOLOGY	1987	0970-9509
34	INDIAN JOURNAL OF BIOCHEMISTRY AND BIOPHYSICS	1964	0301-1208
35	INDIAN JOURNAL OF COMPARATIVE MICROBIOLOGY, IMMUNOLOGY AND INFECTIOUS DISEASES	1979	0970-9320
36	INDIAN JOURNAL OF ECOLOGY	1974	0304-5250
37	INDIAN JOURNAL OF ENDOCRINOLOGY AND METABOLISM	1997	2230-8210
38	INDIAN JOURNAL OF ENTOMOLOGY	1939	0367-8288
39	INDIAN JOURNAL OF ENVIRONMENTAL PROTECTION	1981	0253-7141
40	INDIAN JOURNAL OF EXPERIMENTAL BIOLOGY	1963	0019-5189
41	INDIAN JOURNAL OF GENETICS AND PLANT BREEDING (THE)	1941	0019-5200
42	INDIAN JOURNAL OF HEMATOLOGY & BLOOD TRANSFUSION	2006	0971-4502
43	INDIAN JOURNAL OF HUMAN GENETICS	1995	0971-6866
44	INDIAN JOURNAL OF LANDSCAPE SYSTEMS AND ECOLOGICAL STUDIES (THE)	1978	0971-4170
45	INDIAN JOURNAL OF MEDICAL MICROBIOLOGY	1976	0255-0857
46	INDIAN JOURNAL OF MICROBIOLOGY	1961	0046-8991
47	INDIAN JOURNAL OF NEMATOLOGY	1971	0303-6960
48	INDIAN JOURNAL OF PATHOLOGY & MICROBIOLOGY	1958	0377-4929
49	INDIAN JOURNAL OF PHYSICAL ANTHROPOLOGY AND HUMAN GENETICS	1975	0378-8156
50	INDIAN JOURNAL OF PHYSIOLOGY AND PHARMACOLOGY	1959	0019-5499
51	INDIAN JOURNAL OF TROPICAL BIODIVERSITY	1993	0971-4642
52	INDIAN JOURNAL OF VIROLOGY	1985	0970-2822
53	INTERNATIONAL JOURNAL OF BIO-RESOURCE AND STRESS MANAGEMENT	2010	0976-3988
54	INTERNATIONAL JOURNAL OF ECOLOGY AND ENVIRONMENTAL SCIENCES	1975	0377-015X
55	INTERNATIONAL JOURNAL OF HUMAN GENETICS	2001	0972-3757

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
56	INTERNATIONAL JOURNAL OF PHARMACEUTICAL AND BIOLOGICAL ARCHIVE	2010	0976-3333
57	INTERNATIONAL JOURNAL OF PHARMACEUTICAL AND BIOLOGICAL RESEARCH	2010	0976-285X
58	INTERNATIONAL JOURNAL OF PHARMACOLOGY AND BIOLOGICAL SCIENCES	2007	0973-6808
59	INTERNATIONAL JOURNAL ON BIOLOGICAL SCIENCES	2010	0976-4518
60	JOURNAL OF ANATOMICAL SOCIETY OF INDIA	1951	0003-2778
61	JOURNAL OF APPLIED BIOLOGY	1991	0971-4324
62	JOURNAL OF APPLIED BIOSCIENCE	1975	0379-8097
63	JOURNAL OF AQUATIC BIOLOGY	1986	0971-4235
64	JOURNAL OF BIOCHEMICAL TECHNOLOGY	2008	0974-2328
65	JOURNAL OF BIOLOGICAL CONTROL	1987	0971-930X
66	JOURNAL OF BIOSCIENCES	1979	0250-5991
67	JOURNAL OF CELL AND TISSUE RESEARCH	2001	0973-0028
68	JOURNAL OF COMMERCE AND MANAGEMENT THOUGHT	2010	0975-623X
69	JOURNAL OF COMPUTATIONAL INTELLIGENCE IN BIOINFORMATICS	2008	0973-385X
70	JOURNAL OF CYTOLOGY	1984	0970-9371
71	JOURNAL OF CYTOLOGY & GENETICS (THE)	2000	0253-7605
72	JOURNAL OF ECO-PHYSIOLOGY	2001	0972-0413
73	JOURNAL OF ECOBIOLOGY	1989	0970-9037
74	JOURNAL OF ECOPHYSIOLOGY & OCCUPATIONAL HEALTH	2001	0973-4397
75	JOURNAL OF ECOTOXICOLOGY & ENVIRONMENTAL MONITORING	1991	0971-0965
76	JOURNAL OF EDUCATIONAL PLANNING AND ADMINISTRATION	1987	0971-3859
77	JOURNAL OF ENDOCRINOLOGY AND REPRODUCTION	1997	0971-913X
78	JOURNAL OF ENTOMOLOGICAL RESEARCH	1977	0378-9519
79	JOURNAL OF ENVIRONMENT & SOCIOBIOLOGY	2004	0973-0834
80	JOURNAL OF ENVIRONMENTAL BIOLOGY	1980	0254-8704
81	JOURNAL OF GENETICS	1910	0022-1333
82	JOURNAL OF HUMAN ECOLOGY	1990	0970-9274
83	JOURNAL OF HUMAN REPRODUCTIVE SCIENCES	2008	0974-1208
84	JOURNAL OF LIFE SCIENCES	2009	0975-1270
85	JOURNAL OF LIPID SCIENCE AND TECHNOLOGY	2006	0973-6379
86	JOURNAL OF MICROBIAL WORLD	1999	0972-1487
87	JOURNAL OF NUCLEAR AGRICULTURE AND BIOLOGY	1972	0379-5489
88	JOURNAL OF PLANT BIOLOGY	1974	0972-3862
89	JOURNAL OF PROTEIN AND PROTEOMICS	2010	0975-8151
90	JOURNAL OF THE ACADEMY OF CLINICAL MICROBIOLOGISTS (THE)	1999	0972-1282

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
91	JOURNAL OF THE OIL TECHNOLOGIST' ASSOCIATION OF INDIA	1969	0030-1485
92	JOURNAL OF THE PALAEOONTOLOGICAL SOCIETY OF INDIA	1956	0552-9630
93	JOURNAL OF THREATENED TAXA	2009	0974-7893
94	LIFE SCIENCE BULLETIN	2004	0973-5453
95	NUCLEUS	1958	0029-568X
96	PHYSIOLOGY AND MOLECULAR BIOLOGY OF PLANTS	1995	0971-5894
97	PLANT CELL BIOTECHNOLOGY AND MOLECULAR BIOLOGY	2000	0972-2025
98	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES, INDIA, SECTION B - BIOLOGICAL SCIENCES	1930	0369-8211
99	RESEARCH JOURNAL OF BIOLOGICAL SCIENCES	2008	0974-4177
100	RESEARCH JOURNAL OF PHARMACEUTICAL, BIOLOGICAL, AND CHEMICAL SCIENCES	2010	0975-8585
101	RHEEDEA	1991	0971-2313
102	TRENDS IN BIOSCIENCES	2008	0974-8431
103	TRENDS IN GENETICS	1985	0168-9525
104	TROPICAL ECOLOGY	1960	0564-3295
105	VIRUSDISEASE	2014	2347-3584

Source: ICI, 2004 – 2014

7 Biotechnology: is the use of living systems and organisms to develop or make products, or any technological application that uses biological systems, living organisms or derivatives thereof, to make or modify products or processes for specific use. 'Biotechnology' as a subject is relatively new and fast emerging area of applied research and development. In Indian Citation Index (ICI) database 15 research journals published from India are being indexed so far. Being new, the first journal which started publishing 'Biotechnology' oriented papers is the 'Journal of the Oil Technologist Association of India' 1969, thereafter, many new journals in core area of 'Biotechnology' did start, like 'Journal of Plant Biochemistry and Biotechnology' 1992, 'Asian Biotechnology and Development Review' 1997, and so on. A good growth of journals in 'Biotechnology' is well visible below from Table.

Table 4.1 (7) List of Journals of 'Biotechnology'

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
1	ADVANCED BIOTECH	2002	0973-0109
2	ASIAN BIOTECHNOLOGY AND DEVELOPMENT REVIEW	1997	0972-7566
3	ASIAN JOURNAL OF MICROBIOLOGY BIOTECHNOLOGY & ENVIRONMENTAL SCIENCES	1999	0972-3005
4	BIOSCIENCES, BIOTECHNOLOGY RESEARCH ASIA	2003	0973-1245
5	CURRENT TRENDS IN BIOTECHNOLOGY AND PHARMACY	2007	0973-8916
6	IIOAB JOURNAL (THE)	2010	0976-3104
7	INDIAN JOURNAL OF BIOTECHNOLOGY	2002	0972-5849
8	INTERNATIONAL JOURNAL OF AGRICULTURE, ENVIRONMENT AND BIOTECHNOLOGY	2008	0974-1712

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
9	INTERNATIONAL JOURNAL OF BIOTECHNOLOGY AND BIOCHEMISTRY	2004	0973-2691
10	JOURNAL OF LIPID SCIENCE AND TECHNOLOGY	2006	0973-6379
11	JOURNAL OF MICROBIAL WORLD	1999	0972-1487
12	JOURNAL OF PLANT BIOCHEMISTRY AND BIOTECHNOLOGY	1992	0971-7811
13	JOURNAL OF THE OIL TECHNOLOGIST' ASSOCIATION OF INDIA	1969	0030-1485
14	PLANT CELL BIOTECHNOLOGY AND MOLECULAR BIOLOGY	2000	0972-2025
15	RESEARCH JOURNAL OF BIOTECHNOLOGY	2006	0973-6263

Source: ICI, 2004 – 2014

8 Botany: is the scientific study of plants. “Plants,” to most people, means a wide range of living organisms from the smallest bacteria to the largest living things - the giant sequoia trees. It studies algae, fungi, lichens, mosses, ferns, conifers and flowering plants. It is one of the branches of ‘Biology’ and falls in category of natural science. A good growth of journals in ‘Botany’ is well visible below (41 in number) from Table 1 (iv-i) which shows ‘Indian Journal of Genetics and Plant Breeding’ 1941 is one of the starters of journals in ‘Botany’ as a discipline.

Table 4.1 (8) List of Journals of ‘Botany’

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
1	ADVANCES IN PLANT SCIENCES	1988	0970-3586
2	ADVANCES IN POLLEN SPORE RESEARCH	1991	0376-480X
3	ANNALS OF PLANT AND SOIL RESEARCH	1999	0972-1959
4	ANNALS OF PLANT PHYSIOLOGY	1987	0971-9924
5	ANNALS OF PLANT PROTECTION SCIENCES	1993	0971-3573
6	BULLETIN OF PURE AND APPLIED SCIENCES SEC. B -BOTANY	1982	0970-4612
7	CURRENT BOTANY	2010	2220-4822
8	ELECTRONIC JOURNAL OF PLANT BREEDING	2009	0975-928X
9	ETHNOBOTANY	1989	0971-1252
10	GEOPHYTOLOGY	1971	0376-5561
11	INDIAN FERN JOURNAL (THE)	1984	0970-2741
12	INDIAN JOURNAL OF ARECANUT, SPICES & MEDICINAL PLANTS	1999	0972-2483
13	INDIAN JOURNAL OF BOTANICAL RESEARCH	2005	0973-2233
14	INDIAN JOURNAL OF GENETICS AND PLANT BREEDING (THE)	1941	0019-5200
15	INDIAN JOURNAL OF PLANT GENETIC RESOURCES	1978	0971-8184
16	INDIAN JOURNAL OF PLANT PHYSIOLOGY	1958	0019-5502
17	INDIAN JOURNAL OF PLANT PROTECTION	1973	0253-4355
18	INDIAN PHYTOPATHOLOGY	1948	0367-973X
19	INTERNATIONAL JOURNAL OF PHYTOMEDICINE	2009	0975-0185
20	INTERNATIONAL JOURNAL OF PLANT SCIENCES	2006	0973-1547
21	JOURNAL OF ECONOMIC AND TAXONOMIC BOTANY	1977	2050-9768

S.No.	Publication Name	Publication Start	Print ISSN No.
		Year	
22	JOURNAL OF ESSENTIAL OIL BEARING PLANTS	1998	0972-060X
23	JOURNAL OF MEDICINAL AND AROMATIC PLANT SCIENCES	1979	0253-7125
24	JOURNAL OF MYCOLOGY AND PLANT PATHOLOGY	1971	0971-9393
25	JOURNAL OF MYCOPATHOLOGICAL RESEARCH	1963	0971-3719
26	JOURNAL OF PALYNOLOGY	1965	0022-3379
27	JOURNAL OF PHYTOLOGICAL RESEARCH	1988	0970-5767
28	JOURNAL OF PLANT BIOCHEMISTRY AND BIOTECHNOLOGY	1992	0971-7811
29	JOURNAL OF PLANT BIOLOGY	1974	0972-3862
30	JOURNAL OF PLANT DISEASE SCIENCES	2006	0973-7456
31	NEW BOTANIST: AN INTERNATIONAL QUARTERLY JOURNAL OF PLANT SCIENCE RESEARCH	1974	0377-1742
32	OPEN ACCESS JOURNAL OF MEDICINAL AND AROMATIC PLANTS	2010	0974-7877
33	PHYSIOLOGY AND MOLECULAR BIOLOGY OF PLANTS	1995	0971-5894
34	PHYTOMEDICA	1999	0972-3293
35	PHYTOMORPHOLOGY: AN INTERNATIONAL JOURNAL OF PLANT SCIENCES	1951	0031-9449
36	PHYTOTAXONOMY	2001	0972-4206
37	PLANT ARCHIVES	2001	0972-5210
38	PLANT CELL BIOTECHNOLOGY AND MOLECULAR BIOLOGY	2000	0972-2025
39	PLANT DISEASE RESEARCH	1986	0970-4914
40	RHEEDEA	1991	0971-2313
41	VEGETOS- AN INTERNATIONAL JOURNAL OF PLANT RESEARCH	1988	0970-4078

Source: ICI, 2004 – 2014

9 Business and Marketing: is a marketing practice of individuals or organizations (including commercial businesses, governments and institutions). It allows them to sell products or services to other companies or organizations that resell them, use them in their products or services or use them to support their works. In this subject category, 19 research journals are available in 'Indian Citation Index (ICI) and growth of journals over the time is as shown below in Table.

Table 4.1 (9) List of Journals of 'Business and Marketing'

S.No.	Publication Name	Publication Start	Print ISSN No.
		Year	
1	ABHIGYAN - QUEST FOR EXCELLENCE	1983	0970-2385
2	DELHI BUSINESS REVIEW	2000	0972-222X
3	FOREIGN TRADE REVIEW	1966	0971-7633
4	GLOBAL BUSINESS REVIEW	2000	0972-1509
5	GLOBAL JOURNAL OF E-BUSINESS & KNOWLEDGE MANAGEMENT	2004	0973-2055
6	IAPQR TRANSACTIONS	1976	0970-0102
7	INDIAN JOURNAL OF AGRICULTURAL MARKETING	1987	0971-8664

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
8	INDIAN JOURNAL OF COMMERCE & MANAGEMENT STUDIES	2010	2249-0310
9	INDIAN JOURNAL OF MARKETING	1971	0973-8703
10	INTERNATIONAL JOURNAL OF GLOBAL BUSINESS AND COMPETITIVENESS	2005	0973-4619
11	JOURNAL OF CREATIVE COMMUNICATIONS	2006	0973-2586
12	JOURNAL OF EMERGING MARKET FINANCE	2002	0972-6527
13	JOURNAL OF ENTREPRENEURSHIP (THE)	1992	0971-3557
14	MANGALMAY JOURNAL OF MANAGEMENT & TECHNOLOGY	2006	0973-7251
15	MARGIN: THE JOURNAL OF APPLIED ECONOMIC RESEARCH	2007	0973-8010
16	PACIFIC BUSINESS REVIEW	2008	0974-438X
17	PACIFIC BUSINESS REVIEW INTERNATIONAL	2011	0974-438X
18	PRABHANDAN: A JOURNAL OF BUSINESS ADMINISTRATION	2010	2229-4791
19	REVIEW OF MARKET INTEGRATION	2009	0974-9292

Source: ICI, 2004 – 2014

10 Chemistry: is a branch of physical science that studies the composition, structure, properties and change of matter. Chemistry is a subject wherein large amount of research articles are emanating world widely and accordingly journals. Here in 'Indian Citation Index (ICI) 54 research journals published from India are being currently indexed. Three journals published prior to independence of the country, such as 'Journal of Indian Chemical Society' 1924, 'Journal of the Institution of Chemists (India)' 1929, and 'Journal of Chemical Science', 1934. Thereafter, a good growth in number of journals is well visible from below Table.

Table 4.1 (10) List of Journals of 'Chemistry'

S.No.	Publication Name	Publication Start	
		Year	ISSN No.
1	ACTA CIENCIA INDICA - CHEMISTRY SECTION	1979	0253-7338
2	ASIAN CHEMISTRY LETTERS	1997	0971-9822
3	ASIAN JOURNAL OF CHEMICAL AND ENVIRONMENTAL RESEARCH	2008	0974-3049
4	ASIAN JOURNAL OF CHEMISTRY	1989	0970-7077
5	ASIAN JOURNAL OF EXPERIMENTAL CHEMISTRY (THE)	2006	0973-4783
6	ASIAN JOURNAL OF RESEARCH IN CHEMISTRY	2008	0974-4169
7	ASIAN JOURNAL OF SPECTROSCOPY	1997	0971-9237
8	BIOCHEMICAL AND CELLULAR ARCHIVES	2001	0972-5075
9	BULLETIN OF ELECTROCHEMISTRY	1985	0256-1654
10	BULLETIN OF PURE AND APPLIED SCIENCES SEC. C - CHEMISTRY	1982	0970-4620
11	BULLETIN ON CHEMICAL SCIENCES (THE)	2003	0973-8134
12	CHEMICAL & ENVIRONMENTAL RESEARCH	1992	0971-2151
13	CLAY RESEARCH	1982	0255-7193
14	COLOURAGE	1953	0010-1826

S.No.	Publication Name	Publication Start	
		Year	ISSN No.
15	CURRENT TOPICS IN PEPTIDE & PROTEIN RESEARCH	1994	0972-4524
16	E-JOURNAL OF CHEMISTRY	2004	0973-4945
17	ENVIRONMENTAL GEOCHEMISTRY	1998	0972-0383
18	HETEROCYCLIC LETTERS	2011	2230-9632
19	INDIAN CHEMICAL ENGINEER	1959	0019-4506
20	INDIAN JOURNAL OF AGRICULTURAL BIOCHEMISTRY	1988	0970-6399
21	INDIAN JOURNAL OF AGRICULTURAL CHEMISTRY	1968	0367-8229
22	INDIAN JOURNAL OF BIOCHEMISTRY AND BIOPHYSICS	1964	0301-1208
23	INDIAN JOURNAL OF CHEMICAL TECHNOLOGY	1950	0971-457X
24	INDIAN JOURNAL OF CHEMISTRY - SECTION A: INORGANIC, BIO-INORGANIC, PHYSICAL, THEORETICAL & ANALYTICAL	1976	0376-4710
25	INDIAN JOURNAL OF CHEMISTRY SECTION B - ORGANIC INCLUDING MEDICINAL	1976	0376-4699
26	INDIAN JOURNAL OF CLINICAL BIOCHEMISTRY	1986	0970-1915
27	INDIAN JOURNAL OF GEOCHEMISTRY	1983	0970-9089
28	INDIAN JOURNAL OF HETEROCYCLIC CHEMISTRY	1991	0971-1627
29	INTERNATIONAL JOURNAL OF APPLIED CHEMISTRY	2005	0973-1792
30	INTERNATIONAL JOURNAL OF BIOTECHNOLOGY AND BIOCHEMISTRY	2004	0973-2691
31	INTERNATIONAL JOURNAL OF CHEMICAL ENGINEERING RESEARCH	2009	0975-6442
32	INTERNATIONAL JOURNAL OF CHEMICAL SCIENCES	2003	0972-768X
33	INTERNATIONAL JOURNAL OF CHEMTECH RESEARCH	2009	0974-4290
34	INTERNATIONAL JOURNAL OF CURRENT CHEMISTRY	2010	0976-0784
35	INTERNATIONAL JOURNAL OF PETROLEUM SCIENCE AND TECHNOLOGY	2007	0973-6328
36	INTERNATIONAL JOURNAL OF PURE & APPLIED CHEMISTRY	2006	0973-3876
37	INTERNATIONAL JOURNAL ON CHEMICAL SCIENCES	2010	0976-4526
38	JOURNAL OF APPLIED GEOCHEMISTRY	1999	0972-1967
39	JOURNAL OF BIOCHEMICAL TECHNOLOGY	2008	0974-2328
40	JOURNAL OF CHEMICAL SCIENCE	1934	0253-4134
41	JOURNAL OF LIPID SCIENCE AND TECHNOLOGY	2006	0973-6379
42	JOURNAL OF PLANT BIOCHEMISTRY AND BIOTECHNOLOGY	1992	0971-7811
43	JOURNAL OF POLYMER MATERIALS	1984	0973-8622
44	JOURNAL OF PROTEIN AND PROTEOMICS	2010	0975-8151
45	JOURNAL OF SURFACE SCIENCE AND TECHNOLOGY	1985	0970-1893
46	JOURNAL OF THE INDIAN CHEMICAL SOCIETY	1924	0019-4522
47	JOURNAL OF THE INSTITUTION OF CHEMISTS (INDIA)	1929	0020-3254
48	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): CHEMICAL ENGINEERING DIVISION BOARD	1961	0020-3351
49	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): SERIES E - CHEMICAL AND TEXTILE ENGINEERING	2012	2250-2483

S.No.	Publication Name	Publication Start	
		Year	ISSN No.
50	JOURNAL OF THE OIL TECHNOLOGIST' ASSOCIATION OF INDIA	1969	0030-1485
51	ORIENTAL JOURNAL OF CHEMISTRY	1985	0970-020X
52	RASAYAN JOURNAL OF CHEMISTRY	2008	0974-1496
53	RESEARCH JOURNAL OF CHEMISTRY AND ENVIRONMENT	1997	0972-0626
54	RESEARCH JOURNAL OF PHARMACEUTICAL, BIOLOGICAL, AND CHEMICAL SCIENCES	2010	0975-8585

Source: ICI, 2004 – 2014

11 Computer Science and Technology: is the scientific and practical approach to computation and its applications. It is the systematic study of the feasibility, structure, expression, and mechanization of the methodical procedures (or algorithms) that underlie the acquisition, representation, processing, storage, communication of, and access to information. Computer Science and Technology rapidly growing subject area and in this discipline India's contribution is quite significant. As a result 27 journals in this discipline are indexed in 'Indian Citation Index'. In India this subject area began to develop in 1970's, and its first core journal 'Journal of Information and Optimization Sciences' 1980 published followed by 'Journal of the Institution of Engineers (India) Part CP: Computer Engineering Division Board, 1985, 'International Journal of Information and Computing Science, 1998 and rest published 2000 onwards as details are shown below in Table.

Table 4.1 (11) List of Journals of 'Computer Science and Technology'

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
1	ADVANCES IN COMPUTATIONAL SCIENCES AND TECHNOLOGY	2007	0973-6107
2	BVICAM'S INTERNATIONAL JOURNAL OF INFORMATION TECHNOLOGY	2009	0973-5658
3	GLOBAL JOURNAL OF ENTERPRISE INFORMATION SYSTEM	2009	0975-153X
4	INDIAN JOURNAL OF COMPUTER SCIENCE AND ENGINEERING	2010	2231-3850
5	INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN COMPUTER SCIENCE	2010	0976-5697
6	INTERNATIONAL JOURNAL OF APPLIED MATHEMATICS AND COMPUTATION	2009	0974-4665
7	INTERNATIONAL JOURNAL OF APPLIED RESEARCH ON INFORMATION TECHNOLOGY AND COMPUTING	2010	0975-8070
8	INTERNATIONAL JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS	2006	1819-4966
9	INTERNATIONAL JOURNAL OF COMPUTATIONAL INTELLIGENCE RESEARCH	2005	0973-1873
10	INTERNATIONAL JOURNAL OF COMPUTER NETWORKS & COMMUNICATIONS	2009	0975-2293
11	INTERNATIONAL JOURNAL OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY	2009	0975-4660
12	INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND APPLICATIONS	2004	0972-9038

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
13	INTERNATIONAL JOURNAL OF COMPUTING AND APPLICATIONS	2006	0973-5704
14	INTERNATIONAL JOURNAL OF DATA MINING AND EMERGING TECHNOLOGIES	2011	2249-3212
15	INTERNATIONAL JOURNAL OF INFORMATION AND COMPUTING SCIENCE	1998	0972-1347
16	INTERNATIONAL JOURNAL OF INFORMATION PROCESSING	2007	0973-8215
17	INTERNATIONAL JOURNAL OF NETWORK SECURITY & ITS APPLICATIONS	2009	0975-8307
18	INTERNATIONAL JOURNAL ON COMPUTER SCIENCE AND ENGINEERING	2009	2229-5631
19	JOURNAL OF ANALYSIS AND APPLICATIONS	2003	0972-5954
20	JOURNAL OF ANALYSIS AND COMPUTATION	2005	0973-2861
21	JOURNAL OF COMPUTATIONAL INTELLIGENCE IN BIOINFORMATICS	2008	0973-385X
22	JOURNAL OF COMPUTATIONAL MATHEMATICS AND OPTIMIZATION	2005	0972-9372
23	JOURNAL OF DIGITAL INFORMATION MANAGEMENT	2003	0972-7272
24	JOURNAL OF INFORMATION AND OPTIMIZATION SCIENCES	1980	0252-2667
25	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA) PART CP: COMPUTER ENGINEERING DIVISION BOARD	1985	0971-0469
26	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): SERIES B - ELECTRICAL, ELECTRONICS AND TELECOMMUNICATION AND COMPUTER ENGINEERING	2012	2250-2106
27	ORIENTAL JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY	2008	0974-6471

Source: ICI, 2004 – 2014

12 Dairying, Dairy, Animals and Animals Produce: milk producing and other useful animals for human societies have been domesticated for thousands of years. Initially, they were part of the subsistence farming that nomads engaged in. As the community moved about the country, their animals accompanied them. Animals are a big part of the symbiotic relationship between the animals and the herders. People in agricultural societies owned dairy animals that they milked for domestic and local consumption. Factually, Dairying, Dairy, Animals and Animals produces activities are one of the typical examples of a cottage industry in India. Indian Citation Index (ICI) is indexing 10 research journals published from India. In this subject category first core journal is 'Indian Journal of Animal Sciences (The), 1931, followed by 'Indian Journal of Dairy Science' 1948, and rest of the journals came in existence in staggered order over the period of time as shown below in Table

Table 4.1 (12) List of Journals of ‘Dairying, Dairy, Animals and Animals Produce’

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
1	ASIAN JOURNAL OF ANIMAL SCIENCE (THE)	2006	0973-4791
2	ASIAN JOURNAL OF DAIRY AND FOOD RESEARCH	2013	0971-4456
3	INDIAN JOURNAL OF ANIMAL NUTRITION	1984	0970-3209
4	INDIAN JOURNAL OF ANIMAL NUTRITION	1984	0970-3209
5	INDIAN JOURNAL OF ANIMAL NUTRITION	1984	0970-3209
6	INDIAN JOURNAL OF ANIMAL RESEARCH	1971	0367-6722
7	INDIAN JOURNAL OF ANIMAL SCIENCES (THE)	1931	0367-8318
8	INDIAN JOURNAL OF DAIRY SCIENCE	1948	0019-5146
9	INDIAN JOURNAL OF POULTRY SCIENCE	1966	0019-5529
10	JOURNAL OF DAIRYING FOOD AND HOME SCIENCE	1982	0971-4456

Source: ICI, 2004 – 2014

13 Domestic Science: it deals with theory and practice of home making covering all aspects of home management, etc. In Indian Citation Index (ICI) there are seven core journals classified in this category ‘Indian Food Packer’ 1947 is the oldest journal in this subject category and rest are as shown below in Table

Table 4.1 (13) List of Journals of ‘Domestic Science’

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
1	ASIAN JOURNAL OF DAIRY AND FOOD RESEARCH	2013	0971-4456
2	INDIAN FOOD PACKER	1947	0019-4808
3	INDIAN JOURNAL OF ARECANUT, SPICES & MEDICINAL PLANTS	1999	0972-2483
4	INDIAN JOURNAL OF NUTRITION AND DIETETICS (THE)	1964	0022-3174
5	JOURNAL OF COFFEE RESEARCH	1973	0374-8537
6	JOURNAL OF DAIRYING FOOD AND HOME SCIENCE	1982	0971-4456
7	STUDIES ON HOME AND COMMUNITY SCIENCE	2007	0973-7189

Source: ICI, 2004 – 2014

14 Earth and Geological Science: it is changing rapidly in scope and nature. Basically, this subject category deals with rock materials and geological phenomena as well as applying theory and techniques from physics, chemistry, materials science and biology to the study of the earth and the environment. Also, earth sciences as a discipline may include the study of the atmosphere, hydrosphere, lithosphere, and biosphere. Indian Citation Index (ICI) currently indexing 29 core research journals wherein oldest journal is ‘Journal of Earth System Science’ 1934, followed by ‘Geographical Review of India’ 1939, and rest as shown below in Table.

Table 4.1 (14) List of Journals of ‘Earth and Geological Science’

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
1	BULLETIN OF PURE AND APPLIED SCIENCES SEC. F GEOLOGY	1982	0970-4639
2	DECCAN GEOGRAPHER (THE)	1962	0011-7269
3	ENVIRONMENTAL GEOCHEMISTRY	1998	0972-0383
4	GEOBIOS	1974	0251-1223
5	GEOGRAPHICAL REVIEW OF INDIA	1939	0375-6386
6	GEOPHYTOLOGY	1971	0376-5561
7	GONDWANA GEOLOGICAL MAGAZINE	1986	0970-261X
8	HILL GEOGRAPHER	1982	0970-5023
9	HIMALAYAN GEOLOGY	1971	0971-8966
10	HYDROLOGY JOURNAL	1978	0971-569X
11	INDIAN GEOTECHNICAL JOURNAL	1971	0971-9555
12	INDIAN JOURNAL OF GEOCHEMISTRY	1983	0970-9089
13	INDIAN JOURNAL OF GEOMORPHOLOGY	1996	0973-2411
14	INDIAN JOURNAL OF GEOSCIENCES	2009	2229-3574
15	INDIAN JOURNAL OF PETROLEUM GEOLOGY	1992	0871-2542
16	INDIAN MINERALOGIST (THE)	1967	0019-5929
17	INDIAN MINERALS	1947	0019-5936
18	INDIAN MINING & ENGINEERING JOURNAL (THE)	1961	0019-5944
19	ISSET JOURNAL OF EARTHQUAKE TECHNOLOGY	1964	0972-0405
20	JOURNAL OF APPLIED GEOCHEMISTRY	1999	0972-1967
21	JOURNAL OF EARTH SYSTEM SCIENCE	1934	0253-4126
22	JOURNAL OF GEOLOGICAL SOCIETY OF INDIA	1957	0016-7622
23	JOURNAL OF GEOMATICS	2007	0976-1330
24	JOURNAL OF GEOPHYSICS	1980	0257-1412
25	JOURNAL OF HILL RESEARCH	1987	0970-7050
26	JOURNAL OF INDIAN GEOPHYSICAL UNION (THE)	1997	0971-9707
27	JOURNAL OF MINES METALS & FUELS	1959	0022-2755
28	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): MINING ENGINEERING DIVISION BOARD	1984	0257-442X
29	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): SERIES D - METALLURGICAL AND MATERIALS AND MINING ENGINEERING	2012	2250-2122

Source: ICI, 2004 – 2014

15 Economics: it describes the factors which determine the production, distribution and consumption of goods and services. Economics focuses on the behavior and interactions of economic agents and how economies work. Currently, Indian Citation Index (ICI) is indexing 20 journals of this subject category and out of them two journals is publishing prior to independence of the country. These two journals are ‘Indian Journal of Economics (The)’ 1916, and ‘Indian Journal of Agricultural Economics’ 1946. Rest of the journals is published shown below in given Table.

Table 4.1 (15) List of Journals of ‘Economics’

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
1	AGRICULTURAL ECONOMICS RESEARCH REVIEW	1987	0971-3441
2	ALIGARH JOURNAL OF STATISTICS (THE)	1982	0971-0388
3	ARTHA VIJNANA	1959	0971-586X
21	ASIAN JOURNAL OF RESEARCH IN BANKING AND FINANCE	2011	2249-7323
4	ECONOMIC AFFAIRS	2009	0424-2513
5	FOREIGN TRADE REVIEW	1966	0971-7633
6	INDIAN ECONOMIC AND SOCIAL HISTORY REVIEW	1964	0019-4646
7	INDIAN JOURNAL OF AGRICULTURAL ECONOMICS	1946	0019-5014
8	INDIAN JOURNAL OF AGRICULTURAL MARKETING	1987	0971-8664
9	INDIAN JOURNAL OF ECONOMICS (THE)	1916	0019-5170
10	INDIAN JOURNAL OF LABOUR ECONOMICS	1957	0019-5308
11	INDIAN JOURNAL OF MARKETING	1971	0973-8703
12	INTERNATIONAL JOURNAL OF APPLIED ECONOMICS AND ECONOMETRICS	1991	0971-8281
13	INTERNATIONAL JOURNAL OF GLOBAL BUSINESS AND COMPETITIVENESS	2005	0973-4619
14	JOURNAL OF ENTREPRENEURSHIP (THE)	1992	0971-3557
15	JOURNAL OF FINANCIAL MANAGEMENT AND ANALYSIS	1988	0970-4505
16	JOURNAL OF INCOME & WEALTH (THE)	1978	0974-0309
17	MARGIN: THE JOURNAL OF APPLIED ECONOMIC RESEARCH	2007	0973-8010
18	PROGRESS IN DEVELOPMENT STUDIES	2001	1464-9934
19	SOUTH ASIA ECONOMIC JOURNAL	2000	1391-5614
20	STATISTICAL MODELLING	2001	1471-082X

Source: ICI, 2004 – 2014

16 Education: is the process of facilitating learning, knowledge, skills, values, beliefs, and habits of a group of people are transferred to other people, through storytelling, discussion, teaching, training, or research. Education is commonly and formally divided into stages such as preschool, primary school, secondary school and then college, university, apprenticeship, etc. The methodology of teaching is called pedagogy. Education is the prime factor for over all development, learning and liberation of humans. Indian Citation Index (ICI) is indexing 24 core research journals of education published from India and details of them are as shown below in Table.

Table 4.1 (16) List of Journals of ‘Education’

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
1	ASIAN JOURNAL OF PSYCHOLOGY & EDUCATION (THE)	1976	0971-2909
2	BULLETIN OF MEDICAL EDUCATION & RESEARCH	2008	0302-2404
3	BULLETIN PGIMER	1966	0302-2404
4	CONTEMPORARY EDUCATION DIALOGUE	2003	0973-1849

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
5	EDUCATIONAL QUEST- AN INTERNATIONAL JOURNAL OF EDUCATION AND APPLIED SOCIAL SCIENCES	2010	0976-7258
6	GYANODAYA: JOURNAL OF PROGRESSIVE EDUCATION (THE)	2008	0974-1801
7	IETE JOURNAL OF EDUCATION	1960	0970-1664
8	INDIAN JOURNAL OF CONTINUING NURSING EDUCATION	2000	2230-7354
9	INDIAN JOURNAL OF OPEN LEARNING	1992	0971-2690
10	INDIAN JOURNAL OF PHARMACEUTICAL EDUCATION & RESEARCH	1967	0019-5464
11	INDIAN JOURNAL OF PSYCHOMETRY & EDUCATION	1970	0378-1003
12	INDIAN JOURNAL OF TECHNICAL EDUCATION (THE)	1980	0971-3034
13	INDIAN JOURNAL OF TRAINING & DEVELOPMENT	1971	0971-5592
14	INTERNATIONAL JOURNAL OF EDUCATIONAL SCIENCES	2009	0975-1122
15	INTERNATIONAL JOURNAL OF NURSING EDUCATION	2009	0974-9349
16	JK SCIENCE: JOURNAL OF MEDICAL EDUCATION & RESEARCH	1999	0972-1177
17	JOURNAL OF EDUCATION FOR SUSTAINABLE DEVELOPMENT	2007	0973-4082
18	JOURNAL OF EDUCATIONAL PLANNING AND ADMINISTRATION	1987	0971-3859
19	JOURNAL OF ENGINEERING EDUCATION (THE)	1986	0971-5843
20	JOURNAL OF INTERACADEMICA	1997	0971-9016
21	JOURNAL OF POSTGRADUATE MEDICINE, EDUCATION AND RESEARCH	2012	2277-8969
22	MERI JOURNAL OF EDUCATION	2006	0974-2085
23	NTTC BULLETIN	1996	2250-396X
24	PHYSICS EDUCATION	1984	0970-5953

Source: ICI, 2004 – 2014

17 Energy and Fuel Science: are the applications of science and scientific methods for effective conversion and utilization of energy resources and carbon materials into fuel and energy sources. Fossil fuel - coal, natural gas, and oil, etc. are the major resources to meet our energy needs, but their production and use have significant health and environmental impacts, including air and water pollution, environmental degradation, and global warming. In this subject area 05 research journals published from India are indexed in ‘Indian Citation Index (ICI)’. The details of these journals are as shown in Table.

Table 4.1 (17) List of Journals of ‘Energy and Fuel Science’

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
1	ENERGY & FUEL USERS' JOURNAL	1990	0971-2631
2	JOURNAL OF BIOFUELS	2010	0976-3015
3	JOURNAL OF ENERGY HEAT AND MASS TRANSFER	1979	0970-9991
4	JOURNAL OF MINES METALS & FUELS	1959	0022-2755
5	JOURNAL OF RESOURCES, ENERGY, AND DEVELOPMENT (FORMERLY KNOWN AS RESOURCES, ENERGY, AND DEVELOPMENT)	2004	0973-0516

Source: ICI, 2004 – 2014

18 Engineering Science and Technology: deals with technological fields that requires the application of scientific and engineering knowledge and methods combined with technical skills in support of engineering activities. In this subject category, currently ‘Indian Citation Index (ICI) is indexing 77 research journals and out of these 77 journal 04 journals are in continuation from 1919 +. Namely, ‘Journal of the Institution of Engineers (India) Mechanical Engineering Division Board, 1919, ‘Journal of the Institution of Engineers (India) Civil Engineering Division Board, 1920, ‘Journal of the Institution of Engineers (India) Electrical Engineering Division Board, 1920, ‘Journal of the Institution of Engineers (India) Metallurgical and Materials Engineering Division Board, 1920, and rest of the journals emerged over the period of time as details of them are below in Table.

Table 4.1 (18) List of Journals of ‘Engineering Science and Technology’

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
1	ADVANCES IN COMPUTATIONAL SCIENCES AND TECHNOLOGY	2007	0973-6107
2	ADVANCES IN VIBRATION ENGINEERING	2002	0972-5768
3	ADVANCES IN WIRELESS AND MOBILE COMMUNICATIONS	2008	0973-6972
4	BULLETIN OF INDIAN VACUUM SOCIETY	1986	0970-2334
5	GENDER, TECHNOLOGY AND DEVELOPMENT	1997	0971-8524
6	HIGHWAY RESEARCH JOURNAL	1975	0376-4788
7	HYDROLOGY JOURNAL	1978	0971-569X
8	IETE JOURNAL OF EDUCATION	1960	0970-1664
9	IETE JOURNAL OF RESEARCH	1955	0377-2063
10	IETE TECHNICAL REVIEW	1984	0256-4602
11	INDIAN CHEMICAL ENGINEER	1959	0019-4506
12	INDIAN CONCRETE JOURNAL (THE)	1927	0019-4565
13	INDIAN FOUNDRY JOURNAL	1955	0379-5446
14	INDIAN GEOTECHNICAL JOURNAL	1971	0971-9555
15	INDIAN HIGHWAYS	1973	0376-7256
16	INDIAN JOURNAL OF CHEMICAL TECHNOLOGY	1950	0971-457X
17	INDIAN JOURNAL OF COMPUTER SCIENCE AND ENGINEERING	2010	2231-3850
18	INDIAN JOURNAL OF CRYOGENICS	1976	0379-0479
19	INDIAN JOURNAL OF ENGINEERING & MATERIALS SCIENCES	1994	0971-4588
20	INDIAN JOURNAL OF POWER AND RIVER VALLEY DEVELOPMENT	1968	0019-5537
21	INDIAN JOURNAL OF TRANSPORT MANAGEMENT	2001	0972-5695
22	INDIAN MINING & ENGINEERING JOURNAL (THE)	1961	0019-5944
23	INDIAN SCIENCE CRUISER	1987	0970-4256
24	INDIAN WELDING JOURNAL	1967	0046-9092
25	INTERNATIONAL JOURNAL OF ADVANCEMENTS IN TECHNOLOGY	2010	0976-4860
26	INTERNATIONAL JOURNAL OF AGRICULTURAL ENGINEERING	2008	0974-2662
27	INTERNATIONAL JOURNAL OF APPLIED ENGINEERING RESEARCH	2006	0973-4562

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
28	INTERNATIONAL JOURNAL OF CHEMICAL ENGINEERING RESEARCH	2009	0975-6442
29	INTERNATIONAL JOURNAL OF CHEMTECH RESEARCH	2009	0974-4290
30	INTERNATIONAL JOURNAL OF DYNAMICS OF FLUIDS	2005	0973-1784
31	INTERNATIONAL JOURNAL OF ELECTRONICS ENGINEERING	2009	0973-7383
32	INTERNATIONAL JOURNAL OF ELECTRONICS ENGINEERING RESEARCH	2009	0975-6450
33	INTERNATIONAL JOURNAL OF ENGINEERING AND TECHNOLOGY	2009	1793-8244
34	INTERNATIONAL JOURNAL OF ENGINEERING SCIENCE AND TECHNOLOGY	2009	0975-5462
35	INTERNATIONAL JOURNAL OF MECHANICS AND SOLIDS	2006	0973-1881
36	INTERNATIONAL JOURNAL OF PETROLEUM SCIENCE AND TECHNOLOGY	2007	0973-6328
37	INTERNATIONAL JOURNAL OF THEORETICAL AND APPLIED MECHANICS	2006	0973-6085
38	INTERNATIONAL JOURNAL ON COMPUTER SCIENCE AND ENGINEERING	2009	2229-5631
39	ISET JOURNAL OF EARTHQUAKE TECHNOLOGY	1964	0972-0405
40	JOURNAL OF AEROSPACE SCIENCES AND TECHNOLOGIES	2004	0972-950X
41	JOURNAL OF AGRICULTURAL ENGINEERING	1963	0256-6524
42	JOURNAL OF APPLIED HYDROLOGY	1988	0971-670X
43	JOURNAL OF BIOCHEMICAL TECHNOLOGY	2008	0974-2328
44	JOURNAL OF CENTRAL POWER RESEARCH INSTITUTE (THE)	2004	0973-0338
45	JOURNAL OF CONSTRUCTION MANAGEMENT	1986	0970-3675
46	JOURNAL OF ENERGY HEAT AND MASS TRANSFER	1979	0970-9991
47	JOURNAL OF ENGINEERING EDUCATION (THE)	1986	0971-5843
48	JOURNAL OF ENVIRONMENTAL SCIENCE & ENGINEERING	1959	0367-827X
49	JOURNAL OF INDIAN WATER WORKS ASSOCIATION	1969	0970-275X
50	JOURNAL OF NON-DESTRUCTIVE TESTING & EVALUATION	2002	0973-9610
51	JOURNAL OF SPACECRAFT TECHNOLOGY	1990	0971-1600
52	JOURNAL OF SURFACE SCIENCE AND TECHNOLOGY	1985	0970-1893
53	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA) PART CP: COMPUTER ENGINEERING DIVISION BOARD	1985	0971-0469
54	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA) PART MR: MARINE ENGINEERING DIVISION BOARD	1985	0971-0450
55	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA) PART PR: PRODUCTION ENGINEERING DIVISION	1985	0257-6708
56	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): AEROSPACE ENGINEERING DIVISION BOARD	1984	0257-3423
57	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): AGRICULTURAL ENGINEERING DIVISION BOARD	1982	0257-3431

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
58	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): ARCHITECTURAL ENGINEERING DIVISION BOARD	1984	0257-344X
59	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): CHEMICAL ENGINEERING DIVISION BOARD	1961	0020-3351
60	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): CIVIL ENGINEERING DIVISION BOARD	1920	0020-336X
61	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): ELECTRICAL ENGINEERING DIVISION BOARD	1920	0020-3386
62	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): INTERDISCIPLINARY CO-ORDINATION COMMITTEE	1985	0970-9843
63	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): MECHANICAL ENGINEERING DIVISION BOARD	1919	0020-3408
64	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): METALLURGICAL AND MATERIALS ENGINEERING DIVISION BOARD	1920	0257-4411
65	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): MINING ENGINEERING DIVISION BOARD	1984	0257-442X
66	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): SERIES A - CIVIL, ARCHITECTURAL, ENVIRONMENTAL AND AGRICULTURAL ENGINEERING	2012	2250-2149
67	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): SERIES B - ELECTRICAL, ELECTRONICS AND TELECOMMUNICATION AND COMPUTER ENGINEERING	2012	2250-2106
68	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): SERIES C - MECHANICAL, PRODUCTION, AEROSPACE AND MARINE ENGINEERING	2012	2250-0545
69	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): SERIES D - METALLURGICAL AND MATERIALS AND MINING ENGINEERING	2012	2250-2122
70	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): SERIES E - CHEMICAL AND TEXTILE ENGINEERING	2012	2250-2483
71	JOURNAL OF VIBRATION ENGINEERING AND TECHNOLOGIES	2014	2321-3558
72	JOURNAL OF WATER MANAGEMENT	1993	0971-6076
73	JOURNAL OF WIND AND ENGINEERING	2004	0973-0613
74	MANUFACTURING TECHNOLOGY TODAY	2002	0972-7396
75	PRODUCTIVITY	1960	0032-9924
76	SADHANA - ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES	1976	0256-2499
77	W R I JOURNAL	1980	0970-4477

Source: ICI, 2004 – 2014

19 Environmental Science: is an interdisciplinary field that integrates physical, biological and information sciences. It interacts with the diverse applications of natural sciences like ecology, biology, physics, chemistry, zoology, mineralogy, oceanology, limnology, soil science, geology, atmospheric science, and geodesy to the study of the environment, and the solution of environmental problems. The field

of environmental science can be divided into three main goals, which are to learn how the natural world works, to understand how we as humans interact with the environment, and also to determine how we affect the environment. The third goal of determining how humans affect the environment also includes finding ways to deal with these effects on the environment. Currently 'Indian Citation Index (ICI) is indexing 44 research journals published from India. Being multidisciplinary and applied science subject, number of journals indexed in ICI is relatively higher. The oldest journal in this category is 'Mausam' 1950, followed by 'Journal of Environmental Science and Engineering, 1959 and rest of the journals are as listed in Table.

Table 4.1 (19) List of Journals of 'Environmental Science'

S.No.	Publication Name	Publication	
		Start Year	Print ISSN No.
1	ASIAN JOURNAL OF CHEMICAL AND ENVIRONMENTAL RESEARCH	2008	0974-3049
2	ASIAN JOURNAL OF ENVIRONMENTAL SCIENCE	2006	0973-4759
3	ASIAN JOURNAL OF MICROBIOLOGY BIOTECHNOLOGY & ENVIRONMENTAL SCIENCES	1999	0972-3005
4	BULLETIN ON ENVIRONMENTAL SCIENCES (THE)	1984	0971-1732
5	CHEMICAL & ENVIRONMENTAL RESEARCH	1992	0971-2151
6	ECOLOGY ENVIRONMENT & CONSERVATION	1995	0971-765X
7	ENVIRONMENT AND ECOLOGY	1983	0970-0420
8	ENVIRONMENT AND URBANIZATION ASIA	2010	0975-4253
9	ENVIRONMENT CONSERVATION JOURNAL	2000	0972-3099
10	ENVIRONMENTAL GEOCHEMISTRY	1998	0972-0383
11	ENVIS BULLETIN - HIMALAYAN ECOLOGY	1993	0971-7447
12	HIMALAYAN JOURNAL OF ENVIRONMENT AND ZOOLOGY	1986	0970-2903
13	INDIAN JOURNAL OF ECOLOGY	1974	0304-5250
14	INDIAN JOURNAL OF ENVIRONMENT AND ECOPLANNING	1998	0972-1215
15	INDIAN JOURNAL OF ENVIRONMENTAL PROTECTION	1981	0253-7141
16	INDIAN JOURNAL OF LANDSCAPE SYSTEMS AND ECOLOGICAL STUDIES (THE)	1978	0971-4170
17	INDIAN JOURNAL OF OCCUPATIONAL & ENVIRONMENTAL MEDICINE	2003	0973-2284
18	INDIAN JOURNAL OF TROPICAL BIODIVERSITY	1993	0971-4642
19	INTERNATIONAL JOURNAL OF AGRICULTURE, ENVIRONMENT AND BIOTECHNOLOGY	2008	0974-1712
20	INTERNATIONAL JOURNAL OF APPLIED ENVIRONMENTAL SCIENCES	2006	0973-6077
21	INTERNATIONAL JOURNAL OF ECOLOGY AND ENVIRONMENTAL SCIENCES	1975	0377-015X
22	INTERNATIONAL JOURNAL OF ENVIRONMENT AND DEVELOPMENT	2004	0973-3574
23	INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCES	2010	0976-4402
24	INTERNATIONAL JOURNAL ON ENVIRONMENTAL SCIENCES	2010	0976-4534
25	JOURNAL OF ECO-PHYSIOLOGY	2001	0972-0413
26	JOURNAL OF ECOBIOLOGY	1989	0970-9037
27	JOURNAL OF ECOPHYSIOLOGY & OCCUPATIONAL HEALTH	2001	0973-4397
28	JOURNAL OF ECOTOXICOLOGY & ENVIRONMENTAL MONITORING	1991	0971-0965

S.No.	Publication Name	Publication	
		Start Year	Print ISSN No.
29	JOURNAL OF ENVIRONMENT & SOCIOBIOLOGY	2004	0973-0834
30	JOURNAL OF ENVIRONMENT AND BIOSCIENCES	2008	0973-6913
31	JOURNAL OF ENVIRONMENTAL BIOLOGY	1980	0254-8704
32	JOURNAL OF ENVIRONMENTAL SCIENCE & ENGINEERING	1959	0367-827X
33	JOURNAL OF HILL AGRICULTURE	2010	0976-7606
34	JOURNAL OF HUMAN ECOLOGY	1990	0970-9274
35	JOURNAL OF INDUSTRIAL POLLUTION CONTROL	1985	0970-2083
36	JOURNAL OF NATURE CONSERVATION	1989	0970-5945
37	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): SERIES A - CIVIL, ARCHITECTURAL, ENVIRONMENTAL AND AGRICULTURAL ENGINEERING	2012	2250-2149
38	MAPAN: JOURNAL OF METROLOGY SOCIETY OF INDIA	1985	0970-3950
39	MAUSAM	1950	0252-9416
40	NATURE ENVIRONMENT & POLLUTION TECHNOLOGY	2002	0972-6268
41			
42	POLLUTION RESEARCH	1982	0257-8050
43	RESEARCH JOURNAL OF CHEMISTRY AND ENVIRONMENT	1997	0972-0626
44	TROPICAL ECOLOGY	1960	0564-3295

Source: ICI, 2004 – 2014

20 Fishery: fishery is typically defined in terms of the “people involved, species or type of fish, area of water or seabed, method of fishing, class of boats, purpose of the activities or a combination of the foregoing features. Fishery is an area with an associated fish or aquatic population which is harvested for its commercial value. Fisheries can be marine (saltwater or sea water) or freshwater. They can also be wild or farmed. Indian Citation Index (ICI) is indexing 07 journals published from India in this subject category. ‘Indian Journal of Fisheries’, 1954. Rests of the journals are as shown below in Table.

Table 4.1 (20) List of Journals of ‘Fishery’

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
1	APPLIED FISHERIES & AQUACULTURE	2001	0972-2092
2	AQUACULT: AN INTERNATIONAL JOURNAL OF FISHERIES AND AQUACULTURE	2000	0972-2262
3	FISHERY TECHNOLOGY	1964	0015-3001
4	INDIAN JOURNAL OF FISHERIES	1954	0970-6011
5	JOURNAL OF AQUACULTURE IN THE TROPICS	1986	0970-0846
6	JOURNAL OF THE INLAND FISHERIES SOCIETY OF INDIA	1969	0379-3435

Source: ICI, 2004 – 2014

21 Food and Beverage Science: Food and beverage are eatables and drinkable items prepared and served to guests and customers. Generally food and beverage is the service of food made in the kitchen and drinks prepared in the bar to the customers (guests) at the food & beverage premises, which can be restaurants, bars, hotels, airlines, cruise ships, trains, companies, schools, colleges, hospitals, prisons,

takeaway, etc. In this category of subject, 'Indian Citation Index (ICI) is indexing 06 journals published from India. The oldest journal is 'Indian Food Packer', 1947 and rest are as given below in Table.

Table 4.1 (21) List of Journals of 'Food and Beverage Science'

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
1	BEVERAGE AND FOOD WORLD	1974	0970-6194
2	INDIAN FOOD PACKER	1947	0019-4808
3	JOURNAL OF COFFEE RESEARCH	1973	0374-8537
4	JOURNAL OF FOOD LEGUMES	1988	0970-6380
5	JOURNAL OF FOOD SCIENCE AND TECHNOLOGY	1964	0022-1155
6	SUGAR TECH	1999	0972-1525

Source: ICI, 2004 – 2014

22 Forestry: is the science and craft of creating, managing, using, conserving, and repairing forests and associated resources to meet desired goals, needs, and values for human benefit. Forestry in India is a significant rural industry and a major environmental resource. India is one of the ten most forest-rich countries of the world along with the Russia, Brazil, Canada, United States of America, China, Democratic Republic of the Congo, Australia, Indonesia and Sudan. In this subject category 08 research journals published from India is being indexed in 'Indian Citation Index (ICI) and among them 'Indian Forester (The)' 1875 is the oldest flag ship journal of forestry. Details of all its indexed journals are as given below in Table.

Table 4.1 (22) List of Journals of 'Forestry'

S.No.	Publication Name	Publication	
		Start Year	Print ISSN No.
1	ADVANCES IN PLANT SCIENCES	1988	0970-3586
2	ADVANCES IN POLLEN SPORE RESEARCH	1991	0376-480X
3	ANNALS OF FORESTRY	1993	0971-4022
4	INDIAN FORESTER (THE)	1875	0019-4816
5	INDIAN JOURNAL OF FORESTRY	1978	0971-9431
6	INDIAN JOURNAL OF TROPICAL BIODIVERSITY	1993	0971-4642
7	JOURNAL OF TROPICAL FORESTRY	1985	0970-1494
8	RANGE MANAGEMENT AND AGROFORESTRY	1980	0971-2070

Source: ICI, 2004 – 2014

23 General Science and Technology: it is a mix of all aspects of science and technology. There are many journals which are multidisciplinary and cover all diverse aspects of science and technology, therefore, this subject category has been conceived in order to accommodate all such cases. In fact as a nature of science and technology, most S&T advances are governed by a structure of a connected triad basic research, technology development, and the involvement of society. Indian Citation Index (ICI) is indexing 20 such journals which are multidisciplinary in their coverage. The number of 20 journals in relative ratio is quite good. Out of 20 journals, 02 journals are continuing prior to independence of country, i.e. 'Current Science', 1932, and 'Indian Journal of Scientific and Industrial Research', 1942 and rest have come afterwards as shown below in Table.

Table 4.1 (23) List of Journals of ‘General Science and Technology’

S.No.	Publication Name	Publication	
		Start Year	Print ISSN No.
1	APPLIED SCIENCE PERIODICAL	1999	0972-5504
2	ASIAN JOURNAL OF EXPERIMENTAL SCIENCES	1985	0971-5444
3	BIONANO FRONTIER	2007	0974-0678
4	CURRENT SCIENCE	1932	0011-3891
5	DEFENCE SCIENCE JOURNAL	1950	0011-748X
6	INDIAN JOURNAL OF NATURAL PRODUCTS	1985	0970-129X
7	INDIAN JOURNAL OF REGIONAL SCIENCE	1968	0046-9017
8	INDIAN JOURNAL OF SCIENCE AND TECHNOLOGY	2007	0974-6846
9	INDIAN JOURNAL OF SCIENTIFIC RESEARCH	2010	0976-2876
10	INTERNATIONAL JOURNAL OF CURRENT RESEARCH AND REVIEW	2009	2231-2196
11	JOURNAL OF INTELLECTUAL PROPERTY RIGHTS	1996	0971-5544
12	JOURNAL OF NATURE CONSERVATION	1989	0970-5945
13	JOURNAL OF SCIENTIFIC & INDUSTRIAL RESEARCH	1942	0022-4456
14	LUCKNOW JOURNAL OF SCIENCE	2004	0974-8121
15	NATIONAL ACADEMY SCIENCE LETTERS	1978	0250-541X
16	PANJAB UNIVERSITY RESEARCH JOURNAL (SCIENCE)	2003	0555-7631
17	PANTNAGAR JOURNAL OF RESEARCH	2003	0972-8813
18	PROCEEDINGS OF THE INDIAN NATIONAL SCIENCES ACADEMY - PART A: PHYSICAL SCIENCES	1955	0370-0046
19	SCIENCE, TECHNOLOGY AND SOCIETY	1996	0971-7218
20	SEAWEED RESEARCH AND UTILISATION	1979	0971-7560

Source: ICI, 2004 – 2014

24 Health Science: it is a conglomeration of applied science where group of disciplines of applied science dealing with human and animal health. There are two parts to Health Sciences: the study and research knowledge of health and the application of that knowledge to improve health, prevent and cure diseases, and understand how humans and animals function. It actively combines bio-medical, psycho-social, organizational and societal aspects of health, disease and health care. In this subject category ‘Indian Citation Index (ICI) is indexing 228 journals published from India. This is a large number in Indian context wherein 12 journals are publishing prior to independence, namely – ‘Indian Medical Gazette for the development of Medicine and Surgery’ 1866, ‘Antiseptic (The)’ 1904, Calcutta Medical Journal (The)’ 1906, Indian Medical Journal’ 1907, Nursing Journal of India (The)’ 1910, ‘Indian Journal of Medical Research’ 1913, Journal of the Indian Medical Association’ 1931, ‘Indian Journal of Pediatrics’ 1933, ‘Indian Journal of Surgery’ 1939, Indian Journal of Dermatology, Venereology, and Leprology’ 1940, ‘Journal of Association of Physicians of India’ 1945, and ‘Medical Journal Armed Forces India’ 1945. A list of all 228 journals is as given below in Table.

Table 4.1 (24) List of Journals of 'Health Science'

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
1	AGEING & SOCIETY:THE INDIAN JOURNAL OF GERONTOLOGY	1990	0971-8060
2	AL AMEEN JOURNAL OF MEDICAL SCIENCES	2008	0974-1143
3	AMALA – RESEARCH BULLETIN	1982	0971-4987
4	AMITY JOURNAL OF BEHAVIOURAL AND FORENSIC SCIENCES	2005	0973-175X
5	ANIL AGRAWAL'S INTERNET JOURNAL OF FORENSIC MEDICINE AND TOXICOLOGY	2000	0974-6307
6	ANNALS AND ESSENCES OF DENTISTRY	2009	0975-8798
7	ANNALS OF CARDIAC ANAESTHESIA	1998	0971-9784
8	ANNALS OF INDIAN ACADEMY OF NEUROLOGY	1998	0972-2327
9	ANNALS OF NEUROSCIENCES	1994	0972-7531
10	ANNALS OF PEDIATRIC CARDIOLOGY	2008	0974-2069
11	ANNALS OF THE NATIONAL ACADEMY OF MEDICAL SCIENCES (INDIA)	1965	0379-038X
12	ANNALS OF THORACIC MEDICINE	2006	1817-1737
13	ANNALS OF TROPICAL MEDICINE AND PUBLIC HEALTH	2008	1755-6783
14	ANTISEPTIC (THE)	1904	0003-5998
15	ARYA VAIDYAN	1987	0970-4086
16	ASIAN ARCHIVES OF ANAESTHESIOLOGY AND RESUCITATION	1974	0301-0368
17	ASIAN JOURNAL OF OBS & GYNAE PRACTICE	2008	0971-8788
18	ASIAN JOURNAL OF PHARMACEUTICAL AND CLINICAL RESEARCH	2008	0974-2441
19	ASIAN JOURNAL OF TRANSFUSION SCIENCE	2007	0973-6247
20	BIOLOGY AND MEDICINE	2009	0974-8369
21	BIOMEDICAL RESEARCH	1990	0970-938X
22	BIOMEDICINE	1980	0970-2067
23	BOMBAY HOSPITAL JOURNAL	1959	0524-0182
24	BULLETIN OF MEDICAL EDUCATION & RESEARCH	2008	0302-2404
25	BULLETIN OF NATIONAL INSTITUTE OF HOMOEOPATHY	1998	0972-6276
26	BULLETIN OF THE INDIAN INSTITUTE OF HISTORY OF MEDICINE	1963	0304-9558
27	BULLETIN PGIMER	1966	0302-2404
28	CALCUTTA MEDICAL JOURNAL (CMJ)	1906	0008-0667
29	CARDIOLOGY TODAY	1997	0971-9172
30	CHRISTIAN MEDICAL COLLEGE, THE ALUMNI JOURNAL	1966	0009-5451
31	CHRONICLES OF YOUNG SCIENTISTS	2010	2229-5186
32	CLINICAL RHINOLOGY: AN INTERNATIONAL JOURNAL	2008	0974-4630
33	CONTEMPORARY CLINICAL DENTISTRY	2010	0976-237X
34	CURRENT MEDICAL TRENDS	1997	0972-3390
35	CURRENT NEUROBIOLOGY	2010	0975-9042
36	CURRENT PEDIATRIC RESEARCH	1996	0971-9032

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
37	CURRENT TRENDS IN IMMUNOLOGY	1998	0972-4567
38	DEERGHAYU INTERNATIONAL	1985	0970-3381
39	DISABILITIES AND IMPAIRMENTS	1987	0970-356X
40	DRUG INVENTION TODAY	2009	0975-7619
41	EDUCATION FOR HEALTH	1988	1357-6283
42	ENDODONTOLOGY	1989	0970-7212
43	ETHNOBOTANY	1989	0971-1252
44	GANGA RAM JOURNAL (THE)	2011	2230-8946
45	GUJARAT JOURNAL OF OTORHINOLARYNGOLOGY AND HEAD AND NECK SURGERY	2004	0973-1024
46	HEALTH AND POPULATION - PERSPECTIVES & ISSUES	1978	0253-6803
47	HEALTHLINE	2010	2229-337X
48	HEPATITIS B ANNUAL	2004	0972-9747
49	HIPPOCRATIC JOURNAL OF UNANI MEDICINE	2006	0974-1291
50	INDIAN DRUGS	1964	0019-462X
51	INDIAN HEART JOURNAL	1949	0019-2610
52	INDIAN INTERNET JOURNAL OF FORENSIC MEDICINE & TOXICOLOGY	2003	0973-1970
53	INDIAN JOURNAL OF AEROSPACE MEDICINE	1954	0970-6666
54	INDIAN JOURNAL OF ANAESTHESIA	1948	0019-5049
55	INDIAN JOURNAL OF CANCER	1964	0019-509X
56	INDIAN JOURNAL OF CHEST DISEASES & ALLIED SCIENCES (THE)	1959	0377-9343
57	INDIAN JOURNAL OF CLINICAL BIOCHEMISTRY	1986	0970-1915
58	INDIAN JOURNAL OF CLINICAL PRACTICE	1990	0971-0876
59	INDIAN JOURNAL OF CLINICAL PSYCHOLOGY	1974	0303-2582
60	INDIAN JOURNAL OF COMMUNITY MEDICINE	1976	0970-0218
61	INDIAN JOURNAL OF COMPARATIVE MICROBIOLOGY, IMMUNOLOGY AND INFECTIOUS DISEASES	1979	0970-9320
62	INDIAN JOURNAL OF CONTINUING NURSING EDUCATION	2000	2230-7354
63	INDIAN JOURNAL OF CRITICAL CARE MEDICINE	1997	0972-5229
64	INDIAN JOURNAL OF DENTAL ADVANCEMENTS	2009	2229-5127
65	INDIAN JOURNAL OF DENTAL RESEARCH	1990	0970-9290
66	INDIAN JOURNAL OF DENTAL SCIENCES	2009	0976-4003
67	INDIAN JOURNAL OF DERMATOLOGY	1955	0019-5154
68	INDIAN JOURNAL OF DERMATOLOGY, VENEREOLOGY & LEPROLOGY	1940	0378-6323
69	INDIAN JOURNAL OF ENDOCRINOLOGY AND METABOLISM	1997	2230-8210
70	INDIAN JOURNAL OF FORENSIC MEDICINE & TOXICOLOGY	2007	0973-9122
71	INDIAN JOURNAL OF GASTROENTEROLOGY	1982	0254-8860
72	INDIAN JOURNAL OF GERONTOLOGY	1987	0971-4189

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
73	INDIAN JOURNAL OF HEMATOLOGY & BLOOD TRANSFUSION	2006	0971-4502
74	INDIAN JOURNAL OF HOSPITAL PHARMACY (THE)	1964	0019-526X
75	INDIAN JOURNAL OF HUMAN GENETICS	1995	0971-6866
76	INDIAN JOURNAL OF LEPROSY	1983	0254-9395
77	INDIAN JOURNAL OF MEDICAL AND PAEDIATRIC ONCOLOGY	1980	0971-5851
78	INDIAN JOURNAL OF MEDICAL ETHICS	1993	0973-7081
79	INDIAN JOURNAL OF MEDICAL MICROBIOLOGY	1976	0255-0857
80	INDIAN JOURNAL OF MEDICAL RESEARCH (THE)	1913	0971-5916
81	INDIAN JOURNAL OF MEDICAL SCIENCES	1948	0019-5359
82	INDIAN JOURNAL OF MEDICAL SPECIALITIES	2010	0976-2884
83	INDIAN JOURNAL OF NATURAL PRODUCTS AND RESOURCES	2010	0976-0512
84	INDIAN JOURNAL OF NEPHROLOGY	1990	0971-4065
85	INDIAN JOURNAL OF NEUROTRAUMA (THE)	2004	0973-0508
86	INDIAN JOURNAL OF NUCLEAR MEDICINE	1986	0973-3919
87	INDIAN JOURNAL OF NUTRITION AND DIETETICS (THE)	1964	0022-3174
88	INDIAN JOURNAL OF OCCUPATIONAL & ENVIRONMENTAL MEDICINE	2003	0973-2284
89	INDIAN JOURNAL OF OCCUPATIONAL THERAPY	1955	0445-7706
90	INDIAN JOURNAL OF OPHTHALMOLOGY	1953	0301-4738
91	INDIAN JOURNAL OF ORAL SCIENCES	2010	0976-6944
92	INDIAN JOURNAL OF ORTHOPAEDICS	1967	0019-5413
93	INDIAN JOURNAL OF PALLIATIVE CARE	1994	0973-1075
94	INDIAN JOURNAL OF PATHOLOGY & MICROBIOLOGY	1958	0377-4929
95	INDIAN JOURNAL OF PEDIATRICS (THE)	1933	0019-5456
96	INDIAN JOURNAL OF PHYSICAL ANTHROPOLOGY AND HUMAN GENETICS	1975	0378-8156
97	INDIAN JOURNAL OF PHYSICAL MEDICINE AND REHABILITATION	1986	0973-2209
98	INDIAN JOURNAL OF PHYSIOLOGY AND PHARMACOLOGY	1959	0019-5499
99	INDIAN JOURNAL OF PHYSIOTHERAPY AND OCCUPATIONAL THERAPY	2007	0973-5666
100	INDIAN JOURNAL OF PLASTIC SURGERY	1968	0970-0358
101	INDIAN JOURNAL OF PREVENTIVE AND SOCIAL MEDICINE	1969	0301-1216
102	INDIAN JOURNAL OF PSYCHIATRY	1959	0019-5545
103	INDIAN JOURNAL OF PSYCHOLOGICAL MEDICINE	1978	0253-7176
104	INDIAN JOURNAL OF PSYCHOMETRY & EDUCATION	1970	0378-1003
105	INDIAN JOURNAL OF PUBLIC HEALTH	1957	0019-557X
106	INDIAN JOURNAL OF PUBLIC HEALTH RESEARCH & DEVELOPMENT	2010	0976-0245
107	INDIAN JOURNAL OF RADIOLOGY AND IMAGING (THE)	1991	0971-3026
108	INDIAN JOURNAL OF RHEUMATOLOGY	2006	0973-3698

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
109	INDIAN JOURNAL OF SEXUALLY TRANSMITTED DISEASES	1980	0253-7184
110	INDIAN JOURNAL OF SEXUALLY TRANSMITTED DISEASES AND AIDS	2008	0253-7184
111	INDIAN JOURNAL OF SLEEP MEDICINE (THE)	2006	0973-340X
112	INDIAN JOURNAL OF SURGERY	1939	0972-2068
113	INDIAN JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY	1982	0970-9134
114	INDIAN JOURNAL OF TUBERCULOSIS	1953	0019-5706
115	INDIAN JOURNAL OF UNANI MEDICINE	2008	0974-6056
116	INDIAN JOURNAL OF UROLOGY	1985	0970-1591
117	INDIAN MEDICAL GAZETTE FOR THE DEVELOPMENT OF MEDICINE & SURGERY	1866	0019-5863
118	INDIAN MEDICAL JOURNAL	1907	0091-5871
119	INDIAN PACING AND ELECTROPHYSIOLOGY JOURNAL	2001	0972-6292
120	INDIAN PEDIATRICS	1964	0974-7559
121	INDIAN PHARMACIST (THE)	2002	0972-7914
122	INDIAN PRACTITIONER (THE)	1948	0019-6169
123	INDUSTRIAL PSYCHIATRY JOURNAL	1991	0972-6748
124	INTERNATIONAL JOURNAL OF AYURVEDA RESEARCH	2010	0974-7788
125	INTERNATIONAL JOURNAL OF CLINICAL PEDIATRIC DENTISTRY	2008	0974-7052
126	INTERNATIONAL JOURNAL OF CURRENT RESEARCH AND REVIEW	2009	2231-2196
127	INTERNATIONAL JOURNAL OF DRUG DELIVERY	2009	0975-0215
128	INTERNATIONAL JOURNAL OF DRUG DEVELOPMENT & RESEARCH	2009	0975-9344
129	INTERNATIONAL JOURNAL OF DRUG FORMULATION AND RESEARCH	2010	2229-5054
130	INTERNATIONAL JOURNAL OF GERONTOLOGY	2007	1873-9398
131	INTERNATIONAL JOURNAL OF HEAD AND NECK SURGERY	2010	0975-7899
132	INTERNATIONAL JOURNAL OF INFERTILITY AND FETAL MEDICINE	2010	2229-3817
133	INTERNATIONAL JOURNAL OF MEDICAL TOXICOLOGY & LEGAL MEDICINE	1998	0972-0448
134	INTERNATIONAL JOURNAL OF NURSING EDUCATION	2009	0974-9349
135	INTERNATIONAL JOURNAL OF ORAL & MAXILLOFACIAL PATHOLOGY	2010	2231-2250
136	INTERNATIONAL JOURNAL OF ORAL IMPLANTOLOGY AND CLINICAL RESEARCH	2010	0975-6523
137	INTERNATIONAL JOURNAL OF PHARMACY AND BIOMEDICAL SCIENCES	2010	0976-5263
138	INTERNATIONAL JOURNAL OF PROSTHETIC DENTISTRY	2010	2231-2269
139	INTERNATIONAL JOURNAL OF SHOULDER SURGERY	2007	0973-6042

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
140	INTERNATIONAL JOURNAL OF YOGA	2008	0973-6131
141	JIMSA: JOURNAL OF INTERNATIONAL MEDICAL SCIENCES ACADEMY	1988	0971-071X
142	JK - PRACTITIONER : INTERNATIONAL JOURNAL OF CURRENT MEDICAL SCIENCE & PRACTICE	1994	0971-8834
143	JK SCIENCE: JOURNAL OF MEDICAL EDUCATION & RESEARCH	1999	0972-1177
144	JOURNAL INDIAN ACADEMY OF CLINICAL MEDICINE	2000	0972-3560
145	JOURNAL OF ANAESTHESIOLOGY CLINICAL PHARMACOLOGY	1985	0970-9185
146	JOURNAL OF ASSOCIATION OF PHYSICIANS OF INDIA	1945	0004-5772
147	JOURNAL OF AYURVEDA AND INTEGRATIVE MEDICINE	2010	0975-9476
148	JOURNAL OF BIOMEDICAL SCIENCES AND RESEARCH	2009	0975-542X
149	JOURNAL OF BIOPESTICIDES	2008	0974-391X
150	JOURNAL OF CANCER RESEARCH AND THERAPEUTICS	2005	0973-1482
151	JOURNAL OF CARCINOGENESIS	2002	0974-6773
152	JOURNAL OF CLINICAL AND DIAGNOSTIC RESEARCH	2007	0973-729X
153	JOURNAL OF COMMUNICABLE DISEASES	1969	0019-5138
154	JOURNAL OF CONSERVATIVE DENTISTRY	1998	0972-0707
155	JOURNAL OF CONTEMPORARY DENTAL PRACTICE (THE)	1999	1526-3711
156	JOURNAL OF CUTANEOUS AND AESTHETIC SURGERY	2008	0974-2077
157	JOURNAL OF DENTAL SCIENCES AND RESEARCH	2010	0976-2841
158	JOURNAL OF ECOPHYSIOLOGY & OCCUPATIONAL HEALTH	2001	0973-4397
159	JOURNAL OF EMERGENCIES, TRAUMA AND SHOCK	2008	0974-2700
160	JOURNAL OF FAMILY MEDICINE AND PRIMARY CARE	2012	2249-4863
161	JOURNAL OF FAMILY WELFARE (THE)	1954	0022-1074
162	JOURNAL OF FORENSIC DENTAL SCIENCES	2009	0974-0309
163	JOURNAL OF GENERAL MEDICINE (THE)	1988	0970-566X
164	JOURNAL OF GLOBAL INFECTIOUS DISEASES	2009	0974-777X
165	JOURNAL OF GYNECOLOGICAL ENDOSCOPY AND SURGERY	2009	0974-1216
166	JOURNAL OF HEALTH MANAGEMENT	1999	0972-0634
167	JOURNAL OF HUMAN ECOLOGY	1990	0970-9274
168	JOURNAL OF HUMAN REPRODUCTIVE SCIENCES	2008	0974-1208
169	JOURNAL OF IMMUNOLOGY AND IMMUNOPATHOLOGY	1999	0972-0561
170	JOURNAL OF INDIAN ACADEMY OF FORENSIC MEDICINE	1978	0971-0973
171	JOURNAL OF INDIAN ASSOCIATION OF PEDIATRIC SURGEONS	1996	0971-9261
172	JOURNAL OF INDIAN INSTITUTE OF HISTORY OF MEDICINE	2007	0304-9558
173	JOURNAL OF INDIAN MEDICAL HERITAGE	2009	0975-430X
174	JOURNAL OF INDIAN ORTHODONTIC SOCIETY (THE)	1968	0301-5742
175	JOURNAL OF INDIAN PROSTHODONTIC SOCIETY (THE)	2001	0972-4052
176	JOURNAL OF INDIAN SOCIETY OF PEDODONTICS AND PREVENTIVE DENTISTRY	1983	0970-4388
177	JOURNAL OF LABORATORY PHYSICIANS	2009	0974-2727

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
178	JOURNAL OF MAHATMA GANDHI INSTITUTE OF MEDICAL SCIENCES	1996	0971-9903
179	JOURNAL OF MEDICAL PHYSICS	1976	0971-6203
180	JOURNAL OF MID-LIFE HEALTH	2010	0976-7800
181	JOURNAL OF MINIMAL ACCESS SURGERY	2005	0972-9941
182	JOURNAL OF NATURAL REMEDIES	2000	0972-5547
183	JOURNAL OF NEONATOLOGY	1987	0973-2179
184	JOURNAL OF NEUROSCIENCES IN RURAL PRACTICE	2010	0976-3147
185	JOURNAL OF OBSTETRICS AND GYNECOLOGY OF INDIA (THE)	1951	0971-9202
186	JOURNAL OF ORAL AND MAXILLOFACIAL PATHOLOGY	1997	0973-029X
187	JOURNAL OF OROFACIAL SCIENCES	2009	0975-8844
188	JOURNAL OF ORTHOPAEDIC TRAUMA	1987	0890-5339
189	JOURNAL OF PARASITIC DISEASES	1975	0971-7196
190	JOURNAL OF PEARLDENT	2010	0976-0180
191	JOURNAL OF PEDIATRIC NEUROSCIENCES	2006	1817-1745
192	JOURNAL OF PHARMACY AND BIOALLIED SCIENCES	2009	0976-4879
193	JOURNAL OF POSTGRADUATE MEDICINE	1955	0022-3859
194			
195	JOURNAL OF PUNJAB ACADEMY OF FORENSIC MEDICINE & TOXICOLOGY	2001	0972-5687
196	JOURNAL OF THE ACADEMY OF CLINICAL MICROBIOLOGISTS (THE)	1999	0972-1282
197	JOURNAL OF THE INDIAN ASSOCIATION FOR CHILD AND ADOLESCENT MENTAL HEALTH	2005	0973-1342
198	JOURNAL OF THE INDIAN MEDICAL ASSOCIATION	1931	0019-5847
199	JOURNAL OF VECTOR BORNE DISEASES	2003	0972-9062
200	KERALA DENTAL JOURNAL	1977	0972-396X
201	LUNG INDIA	1982	0970-2113
202	MEDICAL JOURNAL ARMED FORCES INDIA	1945	0377-1237
203	MEDICINAL PLANTS	2009	0975-4261
204	NATIONAL JOURNAL OF COMMUNITY MEDICINE	2010	0976-3325
205	NATIONAL JOURNAL OF OTORHINOLARYNGOLOGY AND HEAD AND NECK SURGERY	2013	0973-1024
206	NATIONAL MEDICAL JOURNAL OF INDIA (THE)	1988	0970-258X
207	NEUROLOGY INDIA	1952	0028-3886
208	NTTC BULLETIN	1996	2250-396X
209	NURSING AND MIDWIFERY RESEARCH JOURNAL	2005	1941-6806
210	NURSING JOURNAL OF INDIA (THE)	1910	0029-6503
211	OBS & GYNAE TODAY	1996	0971-8133
212	OMAN JOURNAL OF OPHTHALMOLOGY	2008	0974-620X
213	ONLINE JOURNAL OF HEALTH AND ALLIED SCIENCES	2002	0972-5997

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
214	OTORHINOLARYNGOLOGY CLINICS: AN INTERNATIONAL JOURNAL	2009	0975-444X
215	PATHOLOGY AND LABORATORY MEDICINE	2009	0975-3109
216	PEOPLE'S JOURNAL OF SCIENTIFIC RESEARCH	2008	0974-6358
217	PRAVARA MEDICAL REVIEW	2006	0975-0533
218	PVRI REVIEW	2009	0974-6013
219	SAUDI JOURNAL OF GASTROENTEROLOGY (THE)	1995	1319-3767
220	SAUDI JOURNAL OF KIDNEY DISEASES AND TRANSPLANTATION	1990	1319-2442
221	STUDIES ON ETHNO-MEDICINE	2007	0973-5070
222	TRENDS IN BIOMATERIALS & ARTIFICIAL ORGANS	1987	0971-1198
223	TRIBAL HEALTH BULLETIN	1992	0971-4677
224	TROPICAL GASTROENTEROLOGY	1983	0250-636X
225	UROLOGY ANNALS	2009	0974-7796
226	WORLD JOURNAL OF DENTISTRY	2010	0976-6006
227	WORLD JOURNAL OF ENDOCRINE SURGERY	2009	0975-5039
228	WORLD JOURNAL OF LAPROSCOPIC SURGERY	2008	0974-5092

Source: ICI, 2004 – 2014

25 History and Philosophy of Science and Knowledge: the history and philosophy of science is an academic discipline that encompasses the philosophy of science and the history of science. In fact it deals with all aspects of knowledge with respect to history, philosophy of science and knowledge. In 'Indian Citation Index (ICI) currently 05 journals published from India are being indexed, as shown below in Table.

Table 4.1 (25) List of Journals of 'History and Philosophy of Science and Knowledge'

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
1	BULLETIN OF THE INDIAN INSTITUTE OF HISTORY OF MEDICINE	1963	0304-9558
2	INDIAN JOURNAL OF HISTORY OF SCIENCE	1966	0019-5235
3	INDIAN JOURNAL OF TRADITIONAL KNOWLEDGE	2002	0972-5936
4	JOURNAL OF INDIAN INSTITUTE OF HISTORY OF MEDICINE	2007	0304-9558
5	JOURNAL OF INDIAN MEDICAL HERITAGE	2009	0975-430X

Source: ICI, 2004 – 2014

26 Law: is a system of rules that are enforced through social institutions to govern behavior and essential to maintain public order and rule of law in a society. Laws can be made by a collective legislature or by a single legislator, resulting in statutes, by the executive through decrees and regulations, or by judges through binding precedent. The formations of laws are largely influenced by a respective constitution of a country, written or tacit, and the rights encoded therein. The law shapes politics, economics, history and society in various ways and serves as a mediator of relations between people. 'Indian Citation Index (ICI)' currently indexing 06 journals published from India as shown in Table.

Table 4.1 (26) List of Journals of ‘Law’

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
1	INDIAN JOURNAL OF CRIMINOLOGY	1973	0974-7249
2	INTERNATIONAL JOURNAL OF CRIMINAL JUSTICE SCIENCES	2006	0973-5089
3	INTERNATIONAL JOURNAL OF CYBER CRIMINOLOGY	2007	0974-2891
4	INTERNATIONAL JOURNAL OF MEDICAL TOXICOLOGY & LEGAL MEDICINE	1998	0972-0448
5	INTERNATIONAL JOURNAL OF REGULATION AND GOVERNANCE	2001	0972-4907
6	VIDHIGYA: JOURNAL OF LEGAL AWARENESS (THE)	2006	0973-3825

Source: ICI, 2004 – 2014

27 Library and Information Science (LIS): it is principally a social science subject accompanied by practical skills. Historically, traditions of public service, bibliography, documentalism, and information science have viewed their mission, their philosophical toolsets, and their domain of research differently. Library and Information Science (LIS) is a profession that is full of people passionate about making a positive change in the world. Library professionals bridge the gaps that exist between people, information and technology. LIS professionals work to design and develop knowledge-organization systems; create reader’s advisory resources to encourage young students to develop a lifelong love of reading and learning; help scholars to locate archival and other resources crucial to their work; identify and gather relevant information, skim that and serve to their clientele; help information seekers more quickly to locate information in critical situations; analyze and evaluate information sources, systems, and all stake holders of education and learning. Currently, LIS is an integration of library science and computer science in order of complimenting to each other. Indian Citation Index (ICI) currently indexing 19 journals published from India as shown below in Table.

Table 4.1(27) List of Journals of ‘Library and Information Science’

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
1	ANNALS OF LIBRARY AND INFORMATION STUDIES	1954	0972-5423
2	COLLNET JOURNAL OF SCIENTOMETRICS AND INFORMATION MANAGEMENT	2007	0973-7766
3	DESIDOC BULLETIN OF INFORMATION TECHNOLOGY	1980	0971-4383
4	DESIDOC JOURNAL OF LIBRARY & INFORMATION TECHNOLOGY	2008	0974-0643
5	ELECTRONICS INFORMATION & PLANNING	1973	0304-9876
6	IASLIC BULLETIN	1956	0018-8441
7	INDIAN JOURNAL OF INFORMATION, LIBRARY & SOCIETY	1988	0971-4286
8	INFORMATION STUDIES	1995	0971-6726
9	INTERNATIONAL JOURNAL OF INFORMATION AND COMPUTING SCIENCE	1998	0972-1347
10	INTERNATIONAL JOURNAL OF INFORMATION PROCESSING	2007	0973-8215
11	INTERNATIONAL LIBRARY MOVEMENT	1974	0970-0048
12	JOURNAL OF DIGITAL INFORMATION MANAGEMENT	2003	0972-7272

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
13	JOURNAL OF LIBRARY AND INFORMATION SCIENCE	1976	0970-714X
14	JOURNAL OF LIBRARY AND INFORMATION TECHNOLOGY	2005	0975-6183
15	KELPRO BULLETIN	1997	0975-4911
16	LIBRARY HERALD	1958	0024-2292
17	LIBRARY PROGRESS (INTERNATIONAL)	1981	0970-1052
18	PEARL: JOURNAL OF LIBRARY & INFORMATION SCIENCE	2007	0973-7081
19	SRELS JOURNAL OF INFORMATION MANAGEMENT	2000	0972-2467

Source: ICI, 2004 – 2014

28 Management: in businesses and other organizations is the function that coordinates the efforts of people to accomplish goals and objectives by using available resources efficiently and effectively. Management is often considered as a factor of production along with, machines, materials, and money. The basic task of management includes both marketing and innovation. Management consists of the interlocking functions of creating corporate policy and organizing, planning, controlling, and directing an organization's resources in order to achieve the objectives of that policy. In modern era management is significant aspect though it is relatively new subject of study for driving results. In India too it is gaining popularity and professionalism. Indian Citation Index (ICI) is currently indexing 36 research journals published from India in management as shown in Table.

Table 4.1(28) List of Journals of 'Management'

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
1	ABHIGYAN - QUEST FOR EXCELLENCE	1983	0970-2385
2	AL-BARKAAT JOURNAL OF FINANCE & MANAGEMENT	2009	0974-7281
3	ASIAN JOURNAL OF RESEARCH IN BUSINESS ECONOMICS AND MANAGEMENT	2011	2249-7307
4	CMRD JOURNAL OF MANAGEMENT RESEARCH (CJMR)	2004	0973-8401
5	DELHI BUSINESS REVIEW	2000	0972-222X
6	DYNAMICS OF PUBLIC ADMINISTRATION	1996	0975-3907
7	GLOBAL JOURNAL OF E-BUSINESS & KNOWLEDGE MANAGEMENT	2004	0973-2055
8	GLOBAL JOURNAL OF ENTERPRISE INFORMATION SYSTEM	2009	0975-153X
9	GLOBAL JOURNAL OF FLEXIBLE SYSTEMS MANAGEMENT	2000	0972-2696
10	IIMS JOURNAL OF MANAGEMENT SCIENCE	2010	0976-030X
11	INDIAN JOURNAL OF COMMERCE & MANAGEMENT STUDIES	2010	2249-0310
12	INDIAN JOURNAL OF INDUSTRIAL RELATIONS	1965	0019-5286
13	INDIAN JOURNAL OF TRANSPORT MANAGEMENT	2001	0972-5695
14	INTERNATIONAL JOURNAL OF REGULATION AND GOVERNANCE	2001	0972-4907
15	JOURNAL OF CONSTRUCTION MANAGEMENT	1986	0970-3675
16	JOURNAL OF EDUCATIONAL PLANNING AND ADMINISTRATION	1987	0971-3859
17	JOURNAL OF EMERGING MARKET FINANCE	2002	0972-6527

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
18	JOURNAL OF HEALTH MANAGEMENT	1999	0972-0634
19	JOURNAL OF INDIAN MANAGEMENT & STRATEGY 8M (THE)	1995	0973-9335
20	JOURNAL OF MANAGEMENT RESEARCH	2001	0972-5814
21	JOURNAL OF WATER MANAGEMENT	1993	0971-6076
22	LBS JOURNAL OF MANAGEMENT & RESEARCH	2003	0972-8031
23	MANAGEMENT & CHANGE	1997	0972-2149
24	MANAGEMENT AND LABOUR STUDIES	1975	0258-042X
25	MANGALMAY JOURNAL OF MANAGEMENT & TECHNOLOGY	2006	0973-7251
26	PACIFIC BUSINESS REVIEW	2008	0974-438X
27	PACIFIC BUSINESS REVIEW INTERNATIONAL	2011	0974-438X
28	PARADIGM	1997	0971-8907
29	PRABHANDAN: A JOURNAL OF BUSINESS ADMINISTRATION	2010	2229-4791
30	PRANJANA: THE JOURNAL OF MANAGEMENT AWARENESS	1998	0971-9997
31	PRAVARA MANAGEMENT REVIEW	2009	0975-7201
32	PRODUCTIVITY	1960	0032-9924
33	RANGE MANAGEMENT AND AGROFORESTRY	1980	0971-2070
34	REVIEW OF MARKET INTEGRATION	2009	0974-9292
35	SMART JOURNAL OF BUSINESS MANAGEMENT STUDIES	2005	0973-1598
36	VIKALPA: JOURNAL FOR DECISION MAKERS	1976	0256-0909

Source: ICI, 2004 – 2014

29 Material Science: involves the study of the relationships between the synthesis, processing, structure, properties, and performance of materials that enable an engineering function. The properties of interest can be mechanical, electrical, magnetic or optical; the engineering function can impact industries involved in electronics, communications, medicine, transportation, manufacturing, recreation, energy, and the environment. While the field has evolved from materials formed from metals, ceramics, polymers and their various composites, in recent years there has been increasing focus on creating novel metastable nanostructured materials using, for example, routes inspired by nature. The new fields of nanotechnology and biomaterials are providing the materials scientist with an entirely new palette of molecular, organic, biological and inorganic building blocks to design and assemble nano-engineered materials with unique functionalities. In over a decade it has gain very significant role and, therefore, substantial number of journals have emerged world widely during this period. In India too a quite good numbers of journals have come up and accordingly 12 journals are being currently indexed in 'Indian Citation Index (ICI) as shown below in Table. It is also pertinent to mention that one of the journals published from India is over 95 years old i.e. 'Journal of the Institution of Engineers (India): Metallurgical and Materials Engineering Division Board, 1920.

Table 4.1 (29) List of Journals of 'Material Science'

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
1	BULLETIN OF MATERIALS SCIENCE	1978	0250-4707
2	INDIAN JOURNAL OF ENGINEERING & MATERIALS SCIENCES	1994	0971-4588
3	INDIAN MINERALOGIST (THE)	1967	0019-5929

4	INDIAN MINING & ENGINEERING JOURNAL (THE)	1961	0019-5944
5	INTERNATIONAL JOURNAL OF MATERIALS SCIENCES	2006	0973-4589
6	JOURNAL OF METALLURGY AND MATERIALS SCIENCE	2000	0972-4257
7	JOURNAL OF MINES METALS & FUELS	1959	0022-2755
8	JOURNAL OF POLYMER MATERIALS	1984	0973-8622
9	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): METALLURGICAL AND MATERIALS ENGINEERING DIVISION BOARD	1920	0257-4411
10	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): MINING ENGINEERING DIVISION BOARD	1984	0257-442X
11	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): SERIES D - METALLURGICAL AND MATERIALS AND MINING ENGINEERING	2012	2250-2122
12	TRENDS IN BIOMATERIALS & ARTIFICIAL ORGANS	1987	0971-1198

Source: ICI, 2004 – 2014

30. Mathematics: is an old, broad, and deep discipline. It as a formal area of teaching and learning was developed about 5,000 years ago by the Sumerians. They did this at the same time as they developed reading and writing. Mathematics is an aid to representing and attempting to resolve problem situations in all disciplines. It is an interdisciplinary tool and language. In India ‘Mathematics’ as a discipline is there from ancient time. Currently ‘Indian Citation Index (ICI)’ is indexing 33 journals published from India as shown in Table.

Table 4.1 (30) List of Journals of ‘Mathematics’

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
1	ADVANCES IN DYNAMICAL SYSTEMS AND APPLICATIONS	2006	0973-5321
2	ADVANCES IN FUZZY MATHEMATICS	2006	0973-533X
3	ALIGARH JOURNAL OF STATISTICS (THE)	1982	0971-0388
4	ARYA BHATTA JOURNAL OF MATHEMATICS AND INFORMATICS	2009	0975-7139
5	BULLETIN OF CALCUTTA MATHEMATICAL SOCIETY	1909	0008-0659
6	BULLETIN OF PURE AND APPLIED SCIENCES SEC. E - MATHEMATICS & STATISTICS	1985	0970-6577
7	BULLETIN OF THE ALLAHABAD MATHEMATICAL SOCIETY	1986	0971-0493
8	CALCUTTA STATISTICAL ASSOCIATION BULLETIN	1945	0008-0683
9	DIFFERENTIAL EQUATIONS AND DYNAMICAL SYSTEMS	1993	0971-3514
10	FAR EAST JOURNAL OF MATHEMATICAL SCIENCES (FJMS)	1999	0972-0871
11	GANITA	1950	0046-5402
12	INDIAN JOURNAL OF MATHEMATICS	1958	0019-5324
13	INDIAN JOURNAL OF MATHEMATICS AND MATHEMATICAL SCIENCES	2005	0973-3329
14	INDIAN JOURNAL OF PURE & APPLIED MATHEMATICS	1970	0019-5588
15	INTERNATIONAL JOURNAL OF APPLIED MATHEMATICAL ANALYSIS AND APPLICATIONS	2006	0973-3868

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
16	INTERNATIONAL JOURNAL OF APPLIED MATHEMATICS AND COMPUTATION	2009	0974-4665
17	INTERNATIONAL JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS	2006	1819-4966
18	INTERNATIONAL JOURNAL OF MATHEMATICAL SCIENCES	2002	0972-754X
19	INTERNATIONAL JOURNAL OF STATISTICS AND SYSTEMS	2006	0973-2675
20	INTERNATIONAL REVIEW OF FUZZY MATHEMATICS	2006	0973-4392
21	INTERNATIONAL REVIEW OF PURE & APPLIED MATHEMATICS	2005	0973-1350
22	JOURNAL OF ANALYSIS AND APPLICATIONS	2003	0972-5954
23	JOURNAL OF ANALYSIS AND COMPUTATION	2005	0973-2861
24	JOURNAL OF APPROXIMATION THEORY AND APPLICATIONS	2005	0973-287X
25	JOURNAL OF COMPUTATIONAL INTELLIGENCE IN BIOINFORMATICS	2008	0973-385X
26	JOURNAL OF COMPUTATIONAL MATHEMATICS AND OPTIMIZATION	2005	0972-9372
27	JOURNAL OF INDIAN ACADEMY OF MATHEMATICS (THE)	1979	0970-5120
28	JOURNAL OF INFORMATION AND OPTIMIZATION SCIENCES	1980	0252-2667
29	JOURNAL OF THE RAMANUJAN MATHEMATICAL SOCIETY	1986	0970-1249
30	OPSEARCH	1964	0030-3887
31	PROCEEDINGS OF THE INDIAN ACADEMY OF SCIENCES: MATHEMATICAL SCIENCES	1891	0253-4142
32	SANKHYA: THE INDIAN JOURNAL OF STATISTICS	2003	0972-7671
33	STATISTICAL MODELLING	2001	1471-082X

Source: ICI, 2004 – 2014

31. Meteorology: the branch of science concerned with the processes and phenomena of the atmosphere, especially as a means of forecasting the weather. It is a study that dates to ancient times, when ancient civilizations made observations and kept records of weather conditions, both for agricultural purposes and out of a general curiosity about the world around them. Broadly, meteorology is more than the weather forecast. It is a complex and diverse science, interested in all aspects of the atmosphere. Indian Citation Index (ICI) is indexing 03 core journals published from India in the field of ‘meteorology’ as shown below in Table

Table 4.1 (31) List of Journals of ‘Meteorology’

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
1	JOURNAL OF AGROMETEOROLOGY	1999	0972-1665
2	MAPAN: JOURNAL OF METROLOGY SOCIETY OF INDIA	1985	0970-3950
3	MAUSAM	1950	0252-9416

Source: ICI, 2004 – 2014

32. Nanoscience and Nanotechnology: are the study and application of extremely small things and can be used across all the other science fields, such as chemistry, biology, physics, materials science, and engineering. There are only one journal in this area, probably being relatively newly emerged discipline, i.e. ‘International Journal of Nanotechnology and Applications’ 2007 as shown in Table.

Table 4.1 (32) List of Journals of ‘Nanoscience and Nanotechnology’

S.No.	Subject Name	Publication Name	Publication	
			Start Year	Print ISSN No.
1	NANOSCIENCE AND NANOTECHNOLOGY	INTERNATIONAL JOURNAL OF NANOTECHNOLOGY AND APPLICATIONS	2007	0973-631X

Source: ICI, 2004 – 2014

33. Oceanography and Marine Science: Oceanography and Marine Science are the study of the earth’s oceans, the plants and animals that live in the ocean and how they interact within their natural environment. Oceanography and Marine Science is an interdisciplinary science integrating biology, chemistry, geology, physics mathematics, botany, zoology, meteorology and geography. Plants and Animals in the Ocean, Ocean Substances, Nutrients and Gases in Seawater, Marine Sediments, Plate Tectonics, Sea Motion, Tides and currents. Indian Citation Index (ICI) is indexing 05 journals of this discipline as shown in Table.

Table 4.1 (33) List of Journals of ‘Oceanography and Marine Science’

S.No.	Publication Name	Publication Start Year	Print ISSN No.
1	INDIAN JOURNAL OF GEO-MARINE SCIENCES	2011	0379-5136
2	INDIAN JOURNAL OF MARINE SCIENCES	1972	0379-5136
3	JOURNAL OF INDIAN OCEAN STUDIES	2003	0972-3080
4	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA) PART MR: MARINE ENGINEERING DIVISION BOARD	1985	0971-0450
5	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): SERIES C - MECHANICAL, PRODUCTION, AEROSPACE AND MARINE ENGINEERING	2012	2250-0545

Source: ICI, 2004 – 2014

34. Others: In fact there is no subject category as ‘Other’ but the categorization of subjects in ‘Indian Citation Index (ICI) has been done based journals published. While subject categorization is done by taking journal’s coverage, scope and nature in account, it is found that there are few journals which do not fall in any subject category, therefore, all such journals are classed as ‘others’ for the sake of data organization in the database. Such journals are ten in number and their details are as shown below in Table.

Table 4.1 (34) List of Journals of ‘Others’

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
1	GENDER, TECHNOLOGY AND DEVELOPMENT	1997	0971-8524
2	INDIAN JOURNAL OF TRADITIONAL KNOWLEDGE	2002	0972-5936
3	INDIAN JOURNAL OF TRAINING & DEVELOPMENT	1971	0971-5592
4	INTERNATIONAL JOURNAL OF COW SCIENCE	2005	0973-2241
5	JOURNAL OF GLOBAL COMMUNICATION	2008	0974-0600
6	JOURNAL OF INTERACADEMICA	1997	0971-9016
7	JOURNAL OF SOUTH ASIAN DEVELOPMENT	2006	0973-1741
8	JOURNAL OF THE TIMBER DEVELOPMENT ASSOCIATION OF INDIA	1955	0377-936X
9	RESEARCHERS WORLD - JOURNAL OF ARTS SCIENCE AND COMMERCE	2010	2231-4172
10	SOUTH ASIA RESEARCH	1981	0262-7280

Source: ICI, 2004 – 2014

35. Pharmacology and Pharmaceutical Science: pharmacology is the study of drugs. It involves examining the interactions of chemical substances with living systems, with a view to understanding the properties of drugs and their actions, including the interactions between drug molecules and drug receptors and how these interactions elicit an effect. The Pharmaceutical Chemistry focus is on understanding the physical properties, chemical synthesis, manufacture, and formulation of medicines. In this discipline there are 67 quite good number of journals indexed in ‘Indian Citation Index (ICI) as shown in Table.

Table 4.1 (35) List of Journals of ‘Pharmacology and Pharmaceutical Science’

S.No.	Publication Name	Publication	
		Start Year	Print ISSN No.
1	ADVANCES IN PHARMACOLOGY AND TOXICOLOGY	2000	0973-2381
2	ARYA VAIDYAN	1987	0970-4086
3	ASIAN JOURNAL OF PHARMACEUTICAL AND CLINICAL RESEARCH	2008	0974-2441
4	ASIAN JOURNAL OF PHARMACEUTICAL RESEARCH AND HEALTH CARE	2011	2250-1444
5	BIOMEDICINE	1980	0970-2067
6	CHRONICLES OF YOUNG SCIENTISTS	2010	2229-5186
7	CURRENT TOPICS IN PEPTIDE & PROTEIN RESEARCH	1994	0972-4524
8	CURRENT TOPICS IN PHARMACOLOGY	1992	0972-4559
9	CURRENT TRENDS IN BIOTECHNOLOGY AND PHARMACY	2007	0973-8916
10	DRUG DEVELOPMENT AND THERAPEUTICS	2013	2394-6555
11	DRUG INVENTION TODAY	2009	0975-7619
12	INDIAN DRUGS	1964	0019-462X
13	INDIAN INTERNET JOURNAL OF FORENSIC MEDICINE & TOXICOLOGY	2003	0973-1970
14	INDIAN JOURNAL OF ANAESTHESIA	1948	0019-5049

S.No.	Publication Name	Publication	
		Start Year	Print ISSN No.
15	INDIAN JOURNAL OF ARECANUT, SPICES & MEDICINAL PLANTS	1999	0972-2483
16	INDIAN JOURNAL OF HOSPITAL PHARMACY (THE)	1964	0019-526X
17	INDIAN JOURNAL OF PHARMACEUTICAL EDUCATION & RESEARCH	1967	0019-5464
18	INDIAN JOURNAL OF PHARMACEUTICAL SCIENCES	1939	0250-474X
19	INDIAN JOURNAL OF PHARMACOLOGY	1969	0253-7613
20	INDIAN JOURNAL OF PHYSIOLOGY AND PHARMACOLOGY	1959	0019-5499
21	INDIAN PHARMACIST (THE)	2002	0972-7914
22	INTERNATIONAL JOURNAL OF ADVANCES IN PHARMACEUTICAL SCIENCES	2010	0976-1055
23	INTERNATIONAL JOURNAL OF DRUG DELIVERY	2009	0975-0215
24	INTERNATIONAL JOURNAL OF DRUG DEVELOPMENT & RESEARCH	2009	0975-9344
25	INTERNATIONAL JOURNAL OF DRUG FORMULATION AND RESEARCH	2010	2229-5054
26	INTERNATIONAL JOURNAL OF GREEN PHARMACY	2007	0973-8258
27	INTERNATIONAL JOURNAL OF PHARMA SCIENCES AND RESEARCH	2010	0975-9492
28	INTERNATIONAL JOURNAL OF PHARMACEUTICAL AND BIOLOGICAL ARCHIVE	2010	0976-3333
29	INTERNATIONAL JOURNAL OF PHARMACEUTICAL AND BIOLOGICAL RESEARCH	2010	0976-285X
30	INTERNATIONAL JOURNAL OF PHARMACEUTICAL RESEARCH AND DEVELOPMENT	2009	0974-9446
31	INTERNATIONAL JOURNAL OF PHARMACEUTICAL SCIENCES AND DRUG RESEARCH	2009	0975-248X
32	INTERNATIONAL JOURNAL OF PHARMACEUTICAL SCIENCES: REVIEW AND RESEARCH	2010	0976-044X
33	INTERNATIONAL JOURNAL OF PHARMACOLOGY AND BIOLOGICAL SCIENCES	2007	0973-6808
34	INTERNATIONAL JOURNAL OF PHARMACY AND BIOMEDICAL SCIENCES	2010	0976-5263
35	INTERNATIONAL JOURNAL OF PHARMACY AND PHARMACEUTICAL SCIENCES	2009	0975-1491
36	INTERNATIONAL JOURNAL OF PHARMACY AND TECHNOLOGY	2009	0975-766X
37	INTERNATIONAL JOURNAL OF PHARMTECH RESEARCH	2009	0974-4304
38	INTERNATIONAL JOURNAL OF PHYTOMEDICINE	2009	0975-0185
39	INTERNATIONAL JOURNAL OF RESEARCH IN PHARMACEUTICAL SCIENCES	2010	0975-7538
40	JOURNAL OF ADVANCED PHARMACEUTICAL TECHNOLOGY & RESEARCH	2010	2231-4040
41	JOURNAL OF ANAESTHESIOLOGY CLINICAL PHARMACOLOGY	1985	0970-9185
42	JOURNAL OF AYURVEDA AND INTEGRATIVE MEDICINE	2010	0975-9476
43	JOURNAL OF BASIC AND CLINICAL PHARMACY	2010	0976-0105
44	JOURNAL OF CHEMICAL AND PHARMACEUTICAL RESEARCH	2009	0975-7384

S.No.	Publication Name	Publication	
		Start Year	Print ISSN No.
45	JOURNAL OF FAMILY MEDICINE AND PRIMARY CARE	2012	2249-4863
46	JOURNAL OF INNOVATIVE TRENDS IN PHARMACEUTICAL SCIENCES	2010	0975-8593
47	JOURNAL OF MEDICINAL AND AROMATIC PLANT SCIENCES	1979	0253-7125
48	JOURNAL OF PHARMACEUTICAL RESEARCH	2002	0973-7200
49	JOURNAL OF PHARMACEUTICAL RESEARCH AND HEALTH CARE	2009	0975-3648
50	JOURNAL OF PHARMACEUTICAL SCIENCE AND TECHNOLOGY	2009	0975-5772
51	JOURNAL OF PHARMACOLOGY AND PHARMACOTHERAPEUTICS	2010	0976-500X
52	JOURNAL OF PHARMACY AND BIOALLIED SCIENCES	2009	0976-4879
53	JOURNAL OF PHARMACY RESEARCH	2008	0974-6943
54	JOURNAL OF PROTEIN AND PROTEOMICS	2010	0975-8151
55	JOURNAL OF YOUNG PHARMACISTS	2009	0975-1483
56	MEDICINAL PLANTS	2009	0975-4261
57	OPEN ACCESS JOURNAL OF MEDICINAL AND AROMATIC PLANTS	2010	0974-7877
58	PERSPECTIVES IN CLINICAL RESEARCH	2010	2229-3485
59	PHARMA REVIEW (THE)	2002	0973-399X
60	PHARMA SCIENCE MONITOR: AN INTERNATIONAL JOURNAL OF PHARMACEUTICAL SCIENCES	2010	0976-7908
61	PHARMACIE GLOBALE: INTERNATIONAL JOURNAL OF COMPREHENSIVE PHARMACY	2010	0976-8157
62	PHARMACOGNOSY RESEARCH	2009	0976-4836
63	PHARMANEST - AN INTERNATIONAL JOURNAL OF ADVANCES IN PHARMACEUTICAL SCIENCES	2010	2231-0541
64	PHYTOMEDICA	1999	0972-3293
65	RESEARCH JOURNAL OF PHARMACEUTICAL, BIOLOGICAL, AND CHEMICAL SCIENCES	2010	0975-8585
66	RESEARCH JOURNAL OF PHARMACY AND TECHNOLOGY	2008	0974-3618
67	SUGAR TECH	1999	0972-1525

Source: ICI, 2004 – 2014

36. Physics: is one of the oldest academic disciplines, perhaps the oldest through its inclusion of astronomy. Over the last two millennia, physics has been a part of natural philosophy along with chemistry and biology with the nature and properties of matter and energy. Broadly subject matter of physics includes mechanics, heat, light and other radiation, sound, electricity, magnetism, and the structure of atoms. Indian Citation Index (ICI) is indexing 23 journals as shown below.

Table 4.1 (36) List of Journals of ‘Physics’

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
1	ASIAN JOURNAL OF PHYSICS	1992	0971-3093
2	ASIAN JOURNAL OF SPECTROSCOPY	1997	0971-9237
3	BULLETIN OF PURE AND APPLIED SCIENCES SEC. D - PHYSICS	1982	0970-6569

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
4	BULLETIN ON PHYSICAL SCIENCES (THE)	2005	0973-8150
5	INDIAN JOURNAL OF BIOCHEMISTRY AND BIOPHYSICS	1964	0301-1208
6	INDIAN JOURNAL OF PHYSICS	1926	0973-1458
7	INDIAN JOURNAL OF PURE & APPLIED PHYSICS	1963	0019-5596
8	INDIAN JOURNAL OF RADIO & SPACE PHYSICS	1972	0367-8393
9	INDIAN JOURNAL OF RADIOLOGY AND IMAGING (THE)	1991	0971-3026
10	INDIAN JOURNAL OF THEORETICAL PHYSICS	1953	0019-5693
11	INTERNATIONAL JOURNAL OF MECHANICS AND SOLIDS	2006	0973-1881
12	INTERNATIONAL JOURNAL OF PURE AND APPLIED PHYSICS	2005	0973-1776
13	INTERNATIONAL JOURNAL OF THEORETICAL AND APPLIED MECHANICS	2006	0973-6085
14	INTERNATIONAL JOURNAL ON PHYSICAL SCIENCES	2010	0973-8150
15	JOURNAL OF ATOMS AND MOLECULES	2011	2277-1247
16	JOURNAL OF ENERGY HEAT AND MASS TRANSFER	1979	0970-9991
17	JOURNAL OF GEOPHYSICS	1980	0257-1412
18	JOURNAL OF MEDICAL PHYSICS	1976	0971-6203
19	JOURNAL OF OPTICS	1972	0972-8821
20	JOURNAL OF PURE AND APPLIED ULTRASONICS	1979	0256-4637
21	PHYSICS EDUCATION	1984	0970-5953
22	PRAMANA- JOURNAL OF PHYSICS	1973	0304-4289
23	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES, INDIA, SECTION A - PHYSICAL SCIENCES	1930	0369-8203

Source: ICI, 2004 – 2014

37. Pollution: is the introduction of contaminants into the natural environment that causes adverse change like damage to the condition, health, safety, welfare of animals, humans, plants and property, etc. Indian Citation Index (ICI) is indexing 03 journals as shown below

Table 4.1(37) List of Journals of ‘Pollution’

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
1	JOURNAL OF INDUSTRIAL POLLUTION CONTROL	1985	0970-2083
2	NATURE ENVIRONMENT & POLLUTION TECHNOLOGY	2002	0972-6268
3	POLLUTION RESEARCH	1982	0257-8050

Source: ICI, 2004 – 2014

38. Population Studies: is broadly defined as the scientific study of human populations. Its major areas of studies are population dynamics; fertility and family dynamics; health, aging, and mortality; and human capital and labor markets. A population study is an interdisciplinary area of study; scholars from demography, epidemiology, sociology, economics, anthropology, and various other disciplines study populations. Indian Citation Index (ICI) currently indexing 03 journals as shown below in Table.

Table 4.1(38) List of Journals of ‘Population Studies’

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
1	DEMOGRAPHY INDIA	1972	0970-454X
2	HEALTH AND POPULATION - PERSPECTIVES & ISSUES	1978	0253-6803
3	INDIAN JOURNAL OF GENDER STUDIES	1994	0971-5215

Source: ICI, 2004 – 2014

39. Psychology: is an applied and academic field that studies the human mind and behavior. Psychology studies to understand and explain how we think, act and feel. As most people already realize, a large part of psychology is devoted to the diagnosis and treatment of mental health issues, but that’s just the tip of the iceberg when it comes to applications for psychology. In addition to mental health, psychology can be applied to a variety of issues that impact health and daily life including performance enhancement, self-help, ergonomics, motivation, productivity, and much more. Indian Citation Index (ICI) is currently indexing 14 journals as is shown below in Table.

Table 4.1(39) List of Journals of ‘Psychology’

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
1	ASIAN JOURNAL OF PSYCHOLOGY & EDUCATION (THE)	1976	0971-2909
2	DELHI PSYCHIATRY BULLETIN	1998	0971-9571
3	DELHI PSYCHIATRY JOURNAL	2007	0971-9571
4	DYSPHRENIA	2010	2249-9377
5	INDIAN JOURNAL OF APPLIED PSYCHOLOGY	1964	0019-5073
6	INDIAN JOURNAL OF CLINICAL PSYCHOLOGY	1974	0303-2582
7	INDIAN JOURNAL OF PSYCHIATRY	1959	0019-5545
8	INDIAN JOURNAL OF PSYCHOLOGICAL MEDICINE	1978	0253-7176
9	INDIAN JOURNAL OF PSYCHOMETRY & EDUCATION	1970	0378-1003
10	INDIAN PSYCHOLOGICAL REVIEW	1964	0019-6215
11	INDUSTRIAL PSYCHIATRY JOURNAL	1991	0972-6748
12	OPEN JOURNAL OF PSYCHIATRY AND ALLIED SCIENCES	2015	2394-2053
13	PSYCHOLOGICAL STUDIES	1956	0033-2968
14	PSYCHOLOGY AND DEVELOPING SOCIETIES	1989	0971-3336

Source: ICI, 2004 – 2014

40. Remote Sensing: generally, remote sensing refers to the activities of recording/observing/perceiving objects or events at far away (remote) places. In remote sensing, the sensors are not in direct contact with the objects or events being observed. The information needs a physical carrier to travel from the objects/events to the sensors through an intervening medium. The electromagnetic radiation is normally used as an information carrier in remote sensing. The output of a remote sensing system is usually an image representing the scene being observed. A further step of image analysis and interpretation is required in order to extract useful information from the image. In a more restricted sense, remote sensing usually refers to the technology of acquiring information about the earth’s surface (land and ocean) and atmosphere using sensors onboard airborne (aircraft, balloons) or space borne (satellites, space shuttles) platforms. Currently, Indian Citation Index (ICI) is indexing only one journal of remote sensing as shown in Table.

Table 4.1(40) List of Journals of ‘Remote Sensing’

S.No.	Subject	Publication Name	Publication Start	
			Year	Print ISSN No.
1	REMOTE SENSING	JOURNAL OF THE INDIAN SOCIETY OF REMOTE SENSING	1973	0255-660X

Source: ICI, 2004 – 2014

41. Rural Development: is the process of improving the quality of life and economic well-being of people living in relatively isolated and sparsely populated areas. Rural development has traditionally centered on the exploitation of land-intensive natural resources such as agriculture and forestry. In Indian context this area of study becomes more significant because over 70% population depends or connected to rural establishments. Currently, Indian Citation Index (ICI) is indexing 04 journals as shown in Table

Table 4.1(41) List of Journals of ‘Rural Development’

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
1	AFRICAN ASIAN JOURNAL OF RURAL DEVELOPMENT	2012	0972-3021
2	AFRO ASIAN JOURNAL OF RURAL DEVELOPMENT	1966	0972-3021
3	INTERNATIONAL JOURNAL OF RURAL MANAGEMENT	2005	0973-0680
4	JOURNAL OF RURAL DEVELOPMENT	1981	0970-3357

Source: ICI, 2004 – 2014

42. Social Science: is a major category of academic disciplines, concerned with society and the relationships among individuals within a society. It in turn has many branches, each of which is considered a “social science”. Basically, social sciences disciplines are many like economics, political science, human geography, demography, sociology, anthropology, archaeology, history, law linguistics and sociology. However, for the sake of building more granularities in Indian Citation Index (ICI), we have treated each of social science subject separately except a few which are classed in social science. Currently, Indian Citation Index (ICI) is indexing 74 journals as shown below in Table.

Table 4.1(42) List of Journals of ‘Social Science’

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
1	ADMINISTRATIVE CHANGE	1973	0302-2986
2	AGEING & SOCIETY:THE INDIAN JOURNAL OF GERONTOLOGY	1990	0971-8060
3	AMITY JOURNAL OF BEHAVIOURAL AND FORENSIC SCIENCES	2005	0973-175X
4	ASIAN JOURNAL OF RESEARCH IN SOCIAL SCIENCES AND HUMANITIES	2011	2249-7315
5	ASIAN MAN (THE)	2007	0974-6366
6	BULLETIN OF THE INDIAN INSTITUTE OF HISTORY OF MEDICINE	1963	0304-9558
7	CHINA REPORT	1965	0009-4455
8	CONSERVATION & SOCIETY	2003	0972-4923
9	CONTEMPORARY ISSUES AND IDEAS IN SOCIAL SCIENCES	2005	1817-4604
10	CONTRIBUTIONS TO INDIAN SOCIOLOGY	1967	0069-9667

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
11	DECCAN GEOGRAPHER (THE)	1962	0011-7269
12	DECISION	1974	0304-0941
13	DEMOGRAPHY INDIA	1972	0970-454X
14	DYNAMICS OF PUBLIC ADMINISTRATION	1996	0975-3907
15	EDUCATIONAL QUEST- AN INTERNATIONAL JOURNAL OF EDUCATION AND APPLIED SOCIAL SCIENCES	2010	0976-7258
16	ENVIRONMENT AND URBANIZATION ASIA	2010	0975-4253
17	ENVIS BULLETIN - HIMALAYAN ECOLOGY	1993	0971-7447
18	ETHNOBOTANY	1989	0971-1252
19	GENDER, TECHNOLOGY AND DEVELOPMENT	1997	0971-8524
20	GEOGRAPHICAL REVIEW OF INDIA	1939	0375-6386
21	GYANODAYA: JOURNAL OF PROGRESSIVE EDUCATION (THE)	2008	0974-1801
22	HILL GEOGRAPHER	1982	0970-5023
23	IASSI QUARTERLY	1982	0970-9061
24	INDIA QUARTERLY: A JOURNAL OF INTERNATIONAL AFFAIRS	1945	0974-9284
25	INDIAN ECONOMIC AND SOCIAL HISTORY REVIEW	1964	0019-4646
26	INDIAN HISTORICAL REVIEW	1974	0376-9836
27	INDIAN JOURNAL OF GENDER STUDIES	1994	0971-5215
28	INDIAN JOURNAL OF GEOMORPHOLOGY	1996	0973-2411
29	INDIAN JOURNAL OF LABOUR ECONOMICS	1957	0019-5308
30	INDIAN JOURNAL OF MEDICAL ETHICS	1993	0973-7081
31	INDIAN JOURNAL OF PREVENTIVE AND SOCIAL MEDICINE	1969	0301-1216
32	INDIAN JOURNAL OF SOCIAL RESEARCH	1960	0019-5626
33	INDIAN JOURNAL OF SOCIAL WORK (THE)	1940	0019-5634
34	INDIAN JOURNAL OF TRAINING & DEVELOPMENT	1971	0971-5592
35	INTERNATIONAL JOURNAL OF ECOLOGY AND ENVIRONMENTAL SCIENCES	1975	0377-015X
36	INTERNATIONAL JOURNAL OF ENVIRONMENT AND DEVELOPMENT	2004	0973-3574
37	INTERNATIONAL JOURNAL OF REGULATION AND GOVERNANCE	2001	0972-4907
38	INTERNATIONAL JOURNAL OF RURAL MANAGEMENT	2005	0973-0680
39	INTERNATIONAL STUDIES	1959	0020-8817
40	JOURNAL OF COMMUNITY GUIDANCE & RESEARCH	1984	0970-1346
41	JOURNAL OF CREATIVE COMMUNICATIONS	2006	0973-2586
42	JOURNAL OF DEVELOPING SOCIETIES	1985	0169-796X
43	JOURNAL OF EDUCATION FOR SUSTAINABLE DEVELOPMENT	2007	0973-4082
44	JOURNAL OF ENVIRONMENT & SOCIOBIOLOGY	2004	0973-0834
45	JOURNAL OF EXTENSION SYSTEMS	1985	0970-2989
46	JOURNAL OF FAMILY WELFARE (THE)	1954	0022-1074
47	JOURNAL OF HEALTH MANAGEMENT	1999	0972-0634

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
48	JOURNAL OF HUMAN VALUES	1995	0971-6858
49	JOURNAL OF INDIAN INSTITUTE OF HISTORY OF MEDICINE	2007	0304-9558
50	JOURNAL OF RESOURCES, ENERGY, AND DEVELOPMENT (FORMERLY KNOWN AS RESOURCES, ENERGY, AND DEVELOPMENT)	2004	0973-0516
51	JOURNAL OF SOCIAL SCIENCES	1997	0971-8923
52	JOURNAL OF SOUTH ASIAN DEVELOPMENT	2006	0973-1741
53	LUCKNOW JOURNAL OF SOCIAL SCIENCES	2004	0974-8148
54	MAN & DEVELOPMENT	1979	0258-0438
55	MAN IN INDIA	1921	0025-1569
56	MARGIN: THE JOURNAL OF APPLIED ECONOMIC RESEARCH	2007	0973-8010
57	MEDICINAL PLANTS	2009	0975-4261
58	MEDIEVAL HISTORY JOURNAL (THE)	1998	0971-9458
59	MENS SANA MONOGRAPH	2003	0973-1229
60	PARADIGM	1997	0971-8907
61	PROGRESS IN DEVELOPMENT STUDIES	2001	1464-9934
62	PSYCHOLOGY AND DEVELOPING SOCIETIES	1989	0971-3336
63	REVIEW OF MARKET INTEGRATION	2009	0974-9292
64	SOCIAL CHANGE	1971	0049-0857
65	SOCIOLOGICAL BULLETIN	1952	0038-0229
66	SOUTH ASIA RESEARCH	1981	0262-7280
67	SOUTH ASIAN JOURNAL OF SOCIO-POLITICAL STUDIES	2000	0972-4613
68	SOUTH ASIAN SURVEY	1994	0971-5231
69	STUDIES IN HISTORY	1985	0257-6430
70	STUDIES OF TRIBES AND TRIBALS	2003	0972-639X
71	STUDIES ON ETHNO-MEDICINE	2007	0973-5070
72	STUDIES ON HOME AND COMMUNITY SCIENCE	2007	0973-7189
73	TRANSACTIONS JOURNAL OF THE INSTITUTE OF INDIAN GEOGRAPHERS	1979	0970-9851
74			

Source: ICI, 2004 – 2014

43. Statistics: the science of collecting and analyzing numerical data in large quantities, especially for the purpose of inferring proportions in a whole from those in a representative sample. Statistics can interpret aggregates of data too large to be intelligible by ordinary observation because such data tend to behave in regular, predictable manner. It is subdivided into descriptive statistics and inferential statistics. Currently, Indian Citation Index (ICI) is indexing 06 journals as shown below in Table.

Table 4.1 (43) List of Journals of ‘Statistics’

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
1	ALIGARH JOURNAL OF STATISTICS (THE)	1982	0971-0388
2	BULLETIN OF PURE AND APPLIED SCIENCES SEC. E - MATHEMATICS & STATISTICS	1985	0970-6577
3	CALCUTTA STATISTICAL ASSOCIATION BULLETIN	1945	0008-0683
4	INTERNATIONAL JOURNAL OF STATISTICS AND SYSTEMS	2006	0973-2675
5	SANKHYA: THE INDIAN JOURNAL OF STATISTICS	2003	0972-7671
6	STATISTICAL MODELLING	2001	1471-082X

Source: ICI, 2004 – 2014

44. Telecommunication: the branch of technology concerned with communication over a distance by cable, telegraph, telephone, or broadcasting. Currently, Indian Citation Index (ICI) is indexing two journals as shown below in Table.

Table 4.1(44) List of Journals of ‘Telecommunication’

S.No.	Publication Name	Publication	
		Start Year	Print ISSN No.
1	ADVANCES IN WIRELESS AND MOBILE COMMUNICATIONS	2008	0973-6972
2	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): SERIES B - ELECTRICAL, ELECTRONICS AND TELECOMMUNICATION AND COMPUTER ENGINEERING	2012	2250-2106

Source: ICI, 2004 – 2014

45. Textile: is a flexible woven material consisting of a network of natural or artificial fibers often referred to as thread or yarn. Yarn is produced by spinning raw fibers of wool, flax, cotton, or other material to produce long strands. Currently, Indian Citation Index (ICI) is indexing 08 journals as shown in Table.

Table 4.1(45) List of Journals of ‘Textile’

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
1	ATIRA COMMUNICATIONS ON TEXTILES	1966	0971-0833
2	BTRA SCAN	1970	0972-8341
3	COTTON RESEARCH JOURNAL	2010	0970-308X
4	INDIAN JOURNAL OF FIBRE & TEXTILE RESEARCH	1976	0971-0426
5	JOURNAL OF THE INDIAN SOCIETY FOR COTTON IMPROVEMENT	1976	0970-308X
6	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): SERIES E - CHEMICAL AND TEXTILE ENGINEERING	2012	2250-2483
7	JOURNAL OF THE TEXTILE ASSOCIATION	1939	0368-4636
8	MAN MADE TEXTILES IN INDIA	1958	0377-7537

Source: ICI, 2004 – 2014

46. Toxicology: is a branch of biology, chemistry, and medicine (more specifically pharmacology) concerned with the study of the adverse effects of chemicals on living organisms. Currently, Indian Citation Index (ICI) is indexing 12 journals as shown in Table.

Table 4.1(46) List of Journals of ‘Toxicology’

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
1	ADVANCES IN PHARMACOLOGY AND TOXICOLOGY	2000	0973-2381
2	ANIL AGRAWAL'S INTERNET JOURNAL OF FORENSIC MEDICINE AND TOXICOLOGY	2000	0974-6307
3	INDIAN INTERNET JOURNAL OF FORENSIC MEDICINE & TOXICOLOGY	2003	0973-1970
4	INDIAN JOURNAL OF FORENSIC MEDICINE & TOXICOLOGY	2007	0973-9122
5	INTERNATIONAL JOURNAL OF MEDICAL TOXICOLOGY & LEGAL MEDICINE	1998	0972-0448
6	JOURNAL OF ECOTOXICOLOGY & ENVIRONMENTAL MONITORING	1991	0971-0965
7	JOURNAL OF PUNJAB ACADEMY OF FORENSIC MEDICINE & TOXICOLOGY	2001	0972-5687
8	JOURNAL OF THE INDIAN SOCIETY OF TOXICOLOGY	2005	0973-3558
9	PESTICIDE RESEARCH JOURNAL	1989	0970-6763
10	PESTOLOGY	1977	0970-3012
11	TOBACCO RESEARCH	1975	0379-055X
12	TOXICOLOGY INTERNATIONAL	1994	0971-6580

Source: ICI, 2004 – 2014

47. Veterinary Science: is the branch of medicine that deals with the prevention, diagnosis and treatment of disease, disorder and injury in animals. The scope of veterinary medicine is wide, covering all animal species, both domesticated and wild, with a wide range of conditions which can affect different species. Currently, Indian Citation Index (ICI) is indexing 18 journals as shown in Table.

Table 4.1(47) List of Journals of ‘Veterinary Science’

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
1	ANIMAL NUTRITION AND FEED TECHNOLOGY	2001	0972-2963
2	ASIAN JOURNAL OF ANIMAL SCIENCE (THE)	2006	0973-4791
3	INDIAN JOURNAL OF ANIMAL HEALTH	1975	0019-5057
4	INDIAN JOURNAL OF ANIMAL REPRODUCTION (THE)	2001	0970-2997
5	INDIAN JOURNAL OF ANIMAL RESEARCH	1971	0367-6722
6	INDIAN JOURNAL OF ANIMAL SCIENCES (THE)	1931	0367-8318
7	INDIAN JOURNAL OF FIELD VETERINARIANS (THE)	2005	0973-3175
8	INDIAN JOURNAL OF POULTRY SCIENCE	1966	0019-5529

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
9	INDIAN JOURNAL OF VETERINARY MEDICINE	1981	0970-051X
10	INDIAN JOURNAL OF VETERINARY PATHOLOGY	1977	0250-4758
11	INDIAN JOURNAL OF VETERINARY RESEARCH (THE)	1992	0971-4251
12	INDIAN JOURNAL OF VETERINARY SCIENCES AND BIOTECHNOLOGY (THE)	2015	2394-0247
13	INDIAN JOURNAL OF VETERINARY SURGERY	1980	0254-4105
14	INDIAN VETERINARY JOURNAL (THE)	1924	0019-6479
15	JOURNAL OF BOMBAY VETERINARY COLLEGE (THE)	1993	0971-1643
16	JOURNAL OF CAMEL PRACTICE AND RESEARCH	1994	0971-6777
17	JOURNAL OF VETERINARY PARASITOLOGY	1987	0971-6157
18	VETERINARY WORLD	2008	0972-8988

Source: ICI, 2004 – 2014

48. Water is a transparent fluid which forms the world's streams, lakes, oceans and rain, and is the major constituent of the fluids of organisms. Currently, Indian Citation Index (ICI) is indexing 04 journals as shown below in Table

Table 4.1(48) List of Journals of 'Water'

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
1	INDIAN JOURNAL OF POWER AND RIVER VALLEY DEVELOPMENT	1968	0019-5537
2	JOURNAL OF APPLIED HYDROLOGY	1988	0971-670X
3	JOURNAL OF INDIAN WATER WORKS ASSOCIATION	1969	0970-275X
4	JOURNAL OF WATER MANAGEMENT	1993	0971-6076

Source: ICI, 2004 – 2014

49. Zoology: is the study of living organisms, specifically animals. It is a branch of biology that relates to the animal kingdom, including the structure, embryology, evolution, classification, habits, and distribution of all animals, both living and extinct, and how they interact with their ecosystems. They collect and analyze data in labs or outdoor environments. Currently, Indian Citation Index (ICI) is indexing 24 journals as shown in Table.

Table 4.1(49) List of Journals of 'Zoology'

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
1	ANNALS OF ENTOMOLOGY	1983	0970-3721
2	ASIAN JOURNAL OF ANIMAL SCIENCE (THE)	2006	0973-4791
3	BULLETIN OF PURE AND APPLIED SCIENCES SEC. A -ZOOLOGY	1982	0970-0765
4	CURRENT NEMATOLOGY	1990	0971-0116

S.No.	Publication Name	Publication Start	
		Year	Print ISSN No.
5	ENTOMON	1976	0377-9335
6	HIMALAYAN JOURNAL OF ENVIRONMENT AND ZOOLOGY	1986	0970-2903
7	INDIAN JOURNAL OF ANIMAL HEALTH	1975	0019-5057
8	INDIAN JOURNAL OF ANIMAL REPRODUCTION (THE)	2001	0970-2997
9	INDIAN JOURNAL OF ANIMAL RESEARCH	1971	0367-6722
10	INDIAN JOURNAL OF ANIMAL SCIENCES (THE)	1931	0367-8318
11	INDIAN JOURNAL OF APPLIED ENTOMOLOGY	1987	0970-9509
12	INDIAN JOURNAL OF ENTOMOLOGY	1939	0367-8288
13	INDIAN JOURNAL OF NEMATOLOGY	1971	0303-6960
14	INDIAN JOURNAL OF SMALL RUMINANTS (THE)	1996	0971-9857
15	JOURNAL OF APHIDOLOGY	1987	0970-3810
16	JOURNAL OF APPLIED ANIMAL RESEARCH	1992	0971-2119
17	JOURNAL OF APPLIED ZOOLOGICAL RESEARCHES	2003	0970-9304
18	JOURNAL OF CAMEL PRACTICE AND RESEARCH	1994	0971-6777
19	JOURNAL OF ENTOMOLOGICAL RESEARCH	1977	0378-9519
20	JOURNAL OF ENVIRONMENT AND BIOSCIENCES	2008	0973-6913
21	JOURNAL OF EXPERIMENTAL ZOOLOGY INDIA	1998	0972-0030
22	JOURNAL OF INSECT SCIENCE	1987	0970-3837
23	PROCEEDINGS OF THE ZOOLOGICAL SOCIETY OF INDIA	2002	0972-6683
24	UTTAR PRADESH JOURNAL OF ZOOLOGY	1981	0256-971X

Table 4.2.(i) State wise list of journals published from India

S.No.	State	Publication/Journal Name	Publication Start Year	Print ISSN No.
1	Andhra Pradesh	ANDHRA AGRICULTURAL JOURNAL (THE)	1954	0003-2950
2	Andhra Pradesh	ASIAN AGRI HISTORY	1997	0971-7730
3	Andhra Pradesh	ASIAN JOURNAL OF PHARMACEUTICAL RESEARCH AND HEALTH CARE	2011	2250-1444
4	Andhra Pradesh	BULLETIN OF THE ASTRONOMICAL SOCIETY OF INDIA	1973	0304-9523
5	Andhra Pradesh	BULLETIN OF THE INDIAN INSTITUTE OF HISTORY OF MEDICINE	1963	0304-9558
6	Andhra Pradesh	ENVIRONMENTAL GEOCHEMISTRY	1998	0972-0383
7	Andhra Pradesh	INDIAN JOURNAL OF DENTAL ADVANCEMENTS	2009	2229-5127
8	Andhra Pradesh	INTERNATIONAL JOURNAL OF GERONTOLOGY	2007	1873-9398
9	Andhra Pradesh	INTERNATIONAL JOURNAL OF PHARMACY AND TECHNOLOGY	2009	0975-766X
10	Andhra Pradesh	JOURNAL OF APPLIED GEOCHEMISTRY	1999	0972-1967
11	Andhra Pradesh	JOURNAL OF APPLIED HYDROLOGY	1988	0971-670X
12	Andhra Pradesh	JOURNAL OF AQUATIC BIOLOGY	1986	0971-4235
13	Andhra Pradesh	JOURNAL OF BIOCHEMICAL TECHNOLOGY	2008	0974-2328

S.No.	State	Publication/Journal Name	Publication Start Year	Print ISSN No.
14	Andhra Pradesh	JOURNAL OF COMMUNITY GUIDANCE & RESEARCH	1984	0970-1346
15	Andhra Pradesh	JOURNAL OF GEOPHYSICS	1980	0257-1412
16	Andhra Pradesh	JOURNAL OF INDIAN GEOPHYSICAL UNION (THE)	1997	0971-9707
17	Andhra Pradesh	JOURNAL OF INDIAN INSTITUTE OF HISTORY OF MEDICINE	2007	0304-9558
18	Andhra Pradesh	JOURNAL OF INDIAN MEDICAL HERITAGE	2009	0975-430X
19	Andhra Pradesh	JOURNAL OF OILSEEDS RESEARCH	1983	0970-2776
20	Andhra Pradesh	JOURNAL OF PHARMACEUTICAL RESEARCH AND HEALTH CARE	2009	0975-3648
21	Andhra Pradesh	JOURNAL OF RESEARCH ANGRAU (THE)	1973	0970-0226
22	Andhra Pradesh	JOURNAL OF RICE RESEARCH	2006	2319-3670
23	Andhra Pradesh	JOURNAL OF RURAL DEVELOPMENT	1981	0970-3357
24	Andhra Pradesh	PHARMANEST - AN INTERNATIONAL JOURNAL OF ADVANCES IN PHARMACEUTICAL SCIENCES	2010	2231-0541
25	Andhra Pradesh	TOBACCO RESEARCH	1975	0379-055X
26	Assam	DYSPHRENIA	2010	2249-9377
27	Assam	OPEN JOURNAL OF PSYCHIATRY AND ALLIED SCIENCES	2015	2394-2053
28	Bihar	APPLIED SCIENCE PERIODICAL	1999	0972-5504
29	Bihar	JOURNAL OF APPLIED BIOLOGY	1991	0971-4324
30	Bihar	PROCEEDINGS OF THE ZOOLOGICAL SOCIETY OF INDIA	2002	0972-6683
31	Chandigarh (UT)	BULLETIN OF MEDICAL EDUCATION & RESEARCH	2008	0302-2404
32	Chandigarh (UT)	BULLETIN PGIMER	1966	0302-2404
33	Chandigarh (UT)	INDIAN FERN JOURNAL (THE)	1984	0970-2741
34	Chandigarh (UT)	JOURNAL OF POSTGRADUATE MEDICINE, EDUCATION AND RESEARCH	2012	2277-8969
35	Chandigarh (UT)	JOURNAL OF THE INDIAN ASSOCIATION FOR CHILD AND ADOLESCENT MENTAL HEALTH	2005	0973-1342
36	Chandigarh (UT)	MAN & DEVELOPMENT	1979	0258-0438
37	Chandigarh (UT)	PANJAB UNIVERSITY RESEARCH JOURNAL (SCIENCE)	2003	0555-7631
38	Delhi	ABHIGYAN - QUEST FOR EXCELLENCE	1983	0970-2385
39	Delhi	ADVANCES IN COMPUTATIONAL SCIENCES AND TECHNOLOGY	2007	0973-6107
40	Delhi	ADVANCES IN DYNAMICAL SYSTEMS AND APPLICATIONS	2006	0973-5321
41	Delhi	ADVANCES IN FUZZY MATHEMATICS	2006	0973-533X
42	Delhi	ADVANCES IN POLLEN SPORE RESEARCH	1991	0376-480X
43	Delhi	ADVANCES IN WIRELESS AND MOBILE COMMUNICATIONS	2008	0973-6972
44	Delhi	AFRICAN ASIAN JOURNAL OF RURAL DEVELOPMENT	2012	0972-3021
45	Delhi	AFRO ASIAN JOURNAL OF RURAL DEVELOPMENT	1966	0972-3021
46	Delhi	AGRICULTURAL ECONOMICS RESEARCH REVIEW	1987	0971-3441
47	Delhi	AGRICULTURAL ENGINEERING TODAY	1977	0970-2962
48	Delhi	AGRICULTURAL EXTENSION REVIEW	1989	0971-5827

S.No.	State	Publication/Journal Name	Publication Start Year	Print ISSN No.
49	Delhi	AGRICULTURAL REVIEWS	1980	0253-1496
50	Delhi	AGRICULTURAL SCIENCE DIGEST - A RESEARCH JOURNAL	1981	0253-150X
51	Delhi	AL-BARKAAT JOURNAL OF FINANCE & MANAGEMENT	2009	0974-7281
52	Delhi	ANIL AGRAWAL'S INTERNET JOURNAL OF FORENSIC MEDICINE AND TOXICOLOGY	2000	0974-6307
53	Delhi	ANIMAL NUTRITION AND FEED TECHNOLOGY	2001	0972-2963
54	Delhi	ANNALS AND ESSENCES OF DENTISTRY	2009	0975-8798
55	Delhi	ANNALS OF AGRICULTURAL RESEARCH	1980	0970-3179
56	Delhi	ANNALS OF ARID ZONE	1962	0570-1791
57	Delhi	ANNALS OF HORTICULTURE	2008	0974-8784
58	Delhi	ANNALS OF LIBRARY AND INFORMATION STUDIES	1954	0972-5423
59	Delhi	ANNALS OF PLANT PROTECTION SCIENCES	1993	0971-3573
60	Delhi	ANNALS OF THE NATIONAL ACADEMY OF MEDICAL SCIENCES (INDIA)	1965	0379-038X
61	Delhi	ANTHROPOLOGIST (THE)	1999	0972-0073
62	Delhi	APPLIED BIOLOGICAL RESEARCH	1999	0972-0979
63	Delhi	AQUACULT: AN INTERNATIONAL JOURNAL OF FISHERIES AND AQUACULTURE	2000	0972-2262
64	Delhi	ASIAN ARCHIVES OF ANAESTHESIOLOGY AND RESUCITATION	1974	0301-0368
65	Delhi	ASIAN BIOTECHNOLOGY AND DEVELOPMENT REVIEW	1997	0972-7566
66	Delhi	ASIAN JOURNAL OF DAIRY AND FOOD RESEARCH	2013	0971-4456
67	Delhi	ASIAN JOURNAL OF MICROBIOLOGY BIOTECHNOLOGY & ENVIRONMENTAL SCIENCES	1999	0972-3005
68	Delhi	ASIAN JOURNAL OF OBS & GYNAE PRACTICE	2008	0971-8788
69	Delhi	ASIAN JOURNAL OF RESEARCH IN BANKING AND FINANCE	2011	2249-7323
70	Delhi	ASIAN JOURNAL OF RESEARCH IN BUSINESS ECONOMICS AND MANAGEMENT	2011	2249-7307
71	Delhi	ASIAN JOURNAL OF RESEARCH IN CHEMISTRY	2008	0974-4169
72	Delhi	ASIAN JOURNAL OF RESEARCH IN SOCIAL SCIENCES AND HUMANITIES	2011	2249-7315
73	Delhi	ASIAN MAN (THE)	2007	0974-6366
74	Delhi	BIOMEDICAL RESEARCH	1990	0970-938X
75	Delhi	BIO-SCIENCE RESEARCH BULLETIN	1985	0970-0889
76	Delhi	BIOSCOPE: SOUTH ASIAN SCREEN STUDIES	2010	0974-9276
77	Delhi	BRASSICA	1999	0972-1517
78	Delhi	BULLETIN OF ELECTROCHEMISTRY	1985	0256-1654
79	Delhi	BULLETIN OF PURE AND APPLIED SCIENCES SEC. A -ZOOLOGY	1982	0970-0765

S.No.	State	Publication/Journal Name	Publication Start Year	Print ISSN No.
80	Delhi	BULLETIN OF PURE AND APPLIED SCIENCES SEC. B -BOTANY	1982	0970-4612
81	Delhi	BULLETIN OF PURE AND APPLIED SCIENCES SEC. C – CHEMISTRY	1982	0970-4620
82	Delhi	BULLETIN OF PURE AND APPLIED SCIENCES SEC. D - PHYSICS	1982	0970-6569
83	Delhi	BULLETIN OF PURE AND APPLIED SCIENCES SEC. E - MATHEMATICS & STATISTICS	1985	0970-6577
84	Delhi	BULLETIN OF PURE AND APPLIED SCIENCES SEC. F GEOLOGY	1982	0970-4639
85	Delhi	BULLETIN ON BIOLOGICAL SCIENCES (THE)	2003	0973-8126
86	Delhi	BULLETIN ON CHEMICAL SCIENCES (THE)	2003	0973-8134
87	Delhi	BULLETIN ON ENVIRONMENTAL SCIENCES (THE)	1984	0971-1732
88	Delhi	BULLETIN ON PHYSICAL SCIENCES (THE)	2005	0973-8150
89	Delhi	BVICAM'S INTERNATIONAL JOURNAL OF INFORMATION TECHNOLOGY	2009	0973-5658
90	Delhi	CHINA REPORT	1965	0009-4455
91	Delhi	CLAY RESEARCH	1982	0255-7193
92	Delhi	CLINICAL RHINOLOGY: AN INTERNATIONAL JOURNAL	2008	0974-4630
93	Delhi	COLLNET JOURNAL OF SCIENTOMETRICS AND INFORMATION MANAGEMENT	2007	0973-7766
94	Delhi	CONTEMPORARY EDUCATION DIALOGUE	2003	0973-1849
95	Delhi	CONTRIBUTIONS TO INDIAN SOCIOLOGY	1967	0069-9667
96	Delhi	CROP IMPROVEMENT	1974	0256-0933
97	Delhi	CROP RESEARCH	1988	0970-4884
98	Delhi	CURRENT NEUROBIOLOGY	2010	0975-9042
99	Delhi	CURRENT PEDIATRIC RESEARCH	1996	0971-9032
100	Delhi	CURRENT TRENDS IN BIOTECHNOLOGY AND PHARMACY	2007	0973-8916
101	Delhi	DEFENCE SCIENCE JOURNAL	1950	0011-748X
102	Delhi	DELHI BUSINESS REVIEW	2000	0972-222X
103	Delhi	DELHI PSYCHIATRY BULLETIN	1998	0971-9571
104	Delhi	DELHI PSYCHIATRY JOURNAL	2007	0971-9571
105	Delhi	DESIDOC BULLETIN OF INFORMATION TECHNOLOGY	1980	0971-4383
106	Delhi	DESIDOC JOURNAL OF LIBRARY & INFORMATION TECHNOLOGY	2008	0974-0643
107	Delhi	DIFFERENTIAL EQUATIONS AND DYNAMICAL SYSTEMS	1993	0971-3514
108	Delhi	DISABILITIES AND IMPAIRMENTS	1987	0970-356X
109	Delhi	DYNAMICS OF PUBLIC ADMINISTRATION	1996	0975-3907
110	Delhi	ECONOMIC AFFAIRS	2009	0424-2513
111	Delhi	EDUCATIONAL QUEST- AN INTERNATIONAL JOURNAL OF EDUCATION AND APPLIED SOCIAL SCIENCES	2010	0976-7258

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112	Delhi	ELECTRONICS INFORMATION & PLANNING	1973	0304-9876
113	Delhi	ENDODONTOLOGY	1989	0970-7212
114	Delhi	ENVIRONMENT AND URBANIZATION ASIA	2010	0975-4253
115	Delhi	ETHNOBOTANY	1989	0971-1252
116	Delhi	FOREIGN TRADE REVIEW	1966	0971-7633
117	Delhi	GANGA RAM JOURNAL (THE)	2011	2230-8946
118	Delhi	GENDER, TECHNOLOGY AND DEVELOPMENT	1997	0971-8524
119	Delhi	GLOBAL BUSINESS REVIEW	2000	0972-1509
120	Delhi	GLOBAL JOURNAL OF E-BUSINESS & KNOWLEDGE MANAGEMENT	2004	0973-2055
121	Delhi	GLOBAL JOURNAL OF ENTERPRISE INFORMATION SYSTEM	2009	0975-153X
122	Delhi	GLOBAL JOURNAL OF FLEXIBLE SYSTEMS MANAGEMENT	2000	0972-2696
123	Delhi	GYANODAYA: JOURNAL OF PROGRESSIVE EDUCATION (THE)	2008	0974-1801
124	Delhi	HEALTH AND POPULATION - PERSPECTIVES & ISSUES	1978	0253-6803
125	Delhi	HIGHWAY RESEARCH JOURNAL	1975	0376-4788
126	Delhi	HIPPOCRATIC JOURNAL OF UNANI MEDICINE	2006	0974-1291
127	Delhi	HORTICULTURAL JOURNAL (THE)	1989	0971-1872
128	Delhi	HYDROLOGY JOURNAL	1978	0971-569X
129	Delhi	IASLIC BULLETIN	1956	0018-8441
130	Delhi	IASSI QUARTERLY	1982	0970-9061
131	Delhi	IIMS JOURNAL OF MANAGEMENT SCIENCE	2010	0976-030X
132	Delhi	INDIA QUARTERLY: A JOURNAL OF INTERNATIONAL AFFAIRS	1945	0974-9284
133	Delhi	INDIAN ANTHROPOLOGIST	1971	0970-0927
134	Delhi	INDIAN ECONOMIC AND SOCIAL HISTORY REVIEW	1964	0019-4646
135	Delhi	INDIAN FOOD PACKER	1947	0019-4808
136	Delhi	INDIAN GEOTECHNICAL JOURNAL	1971	0971-9555
137	Delhi	INDIAN HIGHWAYS	1973	0376-7256
138	Delhi	INDIAN HISTORICAL REVIEW	1974	0376-9836
139	Delhi	INDIAN INTERNET JOURNAL OF FORENSIC MEDICINE & TOXICOLOGY	2003	0973-1970
140	Delhi	INDIAN JOURNAL OF AEROSPACE MEDICINE	1954	0970-6666
141	Delhi	INDIAN JOURNAL OF AGRICULTURAL BIOCHEMISTRY	1988	0970-6399
142	Delhi	INDIAN JOURNAL OF AGRICULTURAL CHEMISTRY	1968	0367-8229
143	Delhi	INDIAN JOURNAL OF AGRICULTURAL RESEARCH	1971	0367-8245
144	Delhi	INDIAN JOURNAL OF AGRICULTURAL SCIENCES (THE)	1931	0019-5022
145	Delhi	INDIAN JOURNAL OF AGRONOMY	1956	0537-197X
146	Delhi	INDIAN JOURNAL OF ANIMAL NUTRITION	1984	0970-3209

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147	Delhi	INDIAN JOURNAL OF ANIMAL REPRODUCTION (THE)	2001	0970-2997
148	Delhi	INDIAN JOURNAL OF ANIMAL RESEARCH	1971	0367-6722
149	Delhi	INDIAN JOURNAL OF ANIMAL SCIENCES (THE)	1931	0367-8318
150	Delhi	INDIAN JOURNAL OF BIOCHEMISTRY AND BIOPHYSICS	1964	0301-1208
151	Delhi	INDIAN JOURNAL OF BIOTECHNOLOGY	2002	0972-5849
152	Delhi	INDIAN JOURNAL OF CHEMICAL TECHNOLOGY	1950	0971-457X
153	Delhi	INDIAN JOURNAL OF CHEMISTRY - SECTION A: INORGANIC, BIO-INORGANIC, PHYSICAL, THEORETICAL & ANALYTICAL	1976	0376-4710
154	Delhi	INDIAN JOURNAL OF CHEMISTRY SECTION B - ORGANIC INCLUDING MEDICINAL	1976	0376-4699
155	Delhi	INDIAN JOURNAL OF CHEST DISEASES & ALLIED SCIENCES (THE)	1959	0377-9343
156	Delhi	INDIAN JOURNAL OF CLINICAL PRACTICE	1990	0971-0876
157	Delhi	INDIAN JOURNAL OF COMPARATIVE MICROBIOLOGY, IMMUNOLOGY AND INFECTIOUS DISEASES	1979	0970-9320
158	Delhi	INDIAN JOURNAL OF CROP SCIENCE (THE)	2006	0973-4880
159	Delhi	INDIAN JOURNAL OF CRYOGENICS	1976	0379-0479
160	Delhi	INDIAN JOURNAL OF DAIRY SCIENCE	1948	0019-5146
161	Delhi	INDIAN JOURNAL OF DERMATOLOGY, VENEREOLOGY & LEPROLOGY	1940	0378-6323
162	Delhi	INDIAN JOURNAL OF DRYLAND AGRICULTURAL RESEARCH AND DEVELOPMENT	1986	0971-2062
163	Delhi	INDIAN JOURNAL OF ECOLOGY	1974	0304-5250
164	Delhi	INDIAN JOURNAL OF ENGINEERING & MATERIALS SCIENCES	1994	0971-4588
165	Delhi	INDIAN JOURNAL OF ENTOMOLOGY	1939	0367-8288
166	Delhi	INDIAN JOURNAL OF EXPERIMENTAL BIOLOGY	1963	0019-5189
167	Delhi	INDIAN JOURNAL OF FERTILISERS	2005	0973-1822
168	Delhi	INDIAN JOURNAL OF FIBRE & TEXTILE RESEARCH	1976	0971-0426
169	Delhi	INDIAN JOURNAL OF FORENSIC MEDICINE & TOXICOLOGY	2007	0973-9122
170	Delhi	INDIAN JOURNAL OF GASTROENTEROLOGY	1982	0254-8860
171	Delhi	INDIAN JOURNAL OF GENDER STUDIES	1994	0971-5215
172	Delhi	INDIAN JOURNAL OF GENETICS AND PLANT BREEDING (THE)	1941	0019-5200
173	Delhi	INDIAN JOURNAL OF GEO-MARINE SCIENCES	2011	0379-5136
174	Delhi	INDIAN JOURNAL OF GEOMORPHOLOGY	1996	0973-2411
175	Delhi	INDIAN JOURNAL OF HISTORY OF SCIENCE	1966	0019-5235
176	Delhi	INDIAN JOURNAL OF HORTICULTURE	1942	0972-8538
177	Delhi	INDIAN JOURNAL OF INDUSTRIAL RELATIONS	1965	0019-5286

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178	Delhi	INDIAN JOURNAL OF LABOUR ECONOMICS	1957	0019-5308
179	Delhi	INDIAN JOURNAL OF LEPROSY	1983	0254-9395
180	Delhi	INDIAN JOURNAL OF MARINE SCIENCES	1972	0379-5136
181	Delhi	INDIAN JOURNAL OF MARKETING	1971	0973-8703
182	Delhi	INDIAN JOURNAL OF MATHEMATICS AND MATHEMATICAL SCIENCES	2005	0973-3329
183	Delhi	INDIAN JOURNAL OF MEDICAL RESEARCH (THE)	1913	0971-5916
184	Delhi	INDIAN JOURNAL OF MEDICAL SPECIALITIES	2010	0976-2884
185	Delhi	INDIAN JOURNAL OF MICROBIOLOGY	1961	0046-8991
186	Delhi	INDIAN JOURNAL OF NATURAL PRODUCTS AND RESOURCES	2010	0976-0512
187	Delhi	INDIAN JOURNAL OF NEMATOLOGY	1971	0303-6960
188	Delhi	INDIAN JOURNAL OF NUTRITION AND DIETETICS (THE)	1964	0022-3174
189	Delhi	INDIAN JOURNAL OF OPEN LEARNING	1992	0971-2690
190	Delhi	INDIAN JOURNAL OF ORAL SCIENCES	2010	0976-6944
191	Delhi	INDIAN JOURNAL OF PEDIATRICS (THE)	1933	0019-5456
192	Delhi	INDIAN JOURNAL OF PHYSICAL ANTHROPOLOGY AND HUMAN GENETICS	1975	0378-8156
193	Delhi	INDIAN JOURNAL OF PHYSICS	1926	0973-1458
194	Delhi	INDIAN JOURNAL OF PHYSIOLOGY AND PHARMACOLOGY	1959	0019-5499
195	Delhi	INDIAN JOURNAL OF PHYSIOTHERAPY AND OCCUPATIONAL THERAPY	2007	0973-5666
196	Delhi	INDIAN JOURNAL OF PLANT GENETIC RESOURCES	1978	0971-8184
197	Delhi	INDIAN JOURNAL OF PLANT PHYSIOLOGY	1958	0019-5502
198	Delhi	INDIAN JOURNAL OF PLANT PROTECTION	1973	0253-4355
199	Delhi	INDIAN JOURNAL OF POULTRY SCIENCE	1966	0019-5529
200	Delhi	INDIAN JOURNAL OF PUBLIC HEALTH RESEARCH & DEVELOPMENT	2010	0976-0245
201	Delhi	INDIAN JOURNAL OF PURE & APPLIED MATHEMATICS	1970	0019-5588
202	Delhi	INDIAN JOURNAL OF PURE & APPLIED PHYSICS	1963	0019-5596
203	Delhi	INDIAN JOURNAL OF RADIO & SPACE PHYSICS	1972	0367-8393
204	Delhi	INDIAN JOURNAL OF SLEEP MEDICINE (THE)	2006	0973-340X
205	Delhi	INDIAN JOURNAL OF SMALL RUMINANTS (THE)	1996	0971-9857
206	Delhi	INDIAN JOURNAL OF SOCIAL RESEARCH	1960	0019-5626
207	Delhi	INDIAN JOURNAL OF SOIL CONSERVATION	1973	0970-3349
208	Delhi	INDIAN JOURNAL OF SURGERY	1939	0972-2068
209	Delhi	INDIAN JOURNAL OF TECHNICAL EDUCATION (THE)	1980	0971-3034
210	Delhi	INDIAN JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY	1982	0970-9134
211	Delhi	INDIAN JOURNAL OF TRADITIONAL KNOWLEDGE	2002	0972-5936
212	Delhi	INDIAN JOURNAL OF TRAINING & DEVELOPMENT	1971	0971-5592

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213	Delhi	INDIAN JOURNAL OF TUBERCULOSIS	1953	0019-5706
214	Delhi	INDIAN JOURNAL OF UNANI MEDICINE	2008	0974-6056
215	Delhi	INDIAN JOURNAL OF VETERINARY PATHOLOGY	1977	0250-4758
216	Delhi	INDIAN JOURNAL OF VETERINARY RESEARCH (THE)	1992	0971-4251
217	Delhi	INDIAN JOURNAL OF VETERINARY SCIENCES AND BIOTECHNOLOGY (THE)	2015	2394-0247
218	Delhi	INDIAN JOURNAL OF VETERINARY SURGERY	1980	0254-4105
219	Delhi	INDIAN JOURNAL OF VIROLOGY	1985	0970-2822
220	Delhi	INDIAN JOURNAL OF WEED SCIENCE	1969	0253-8040
221	Delhi	INDIAN PHARMACIST (THE)	2002	0972-7914
222	Delhi	INDIAN PHYTOPATHOLOGY	1948	0367-973X
223	Delhi	INFORMATION STUDIES	1995	0971-6726
224	Delhi	INTERNATIONAL JOURNAL OF AGRICULTURE, ENVIRONMENT AND BIOTECHNOLOGY	2008	0974-1712
225	Delhi	INTERNATIONAL JOURNAL OF APPLIED AGRICULTURAL RESEARCH	2006	0973-2683
226	Delhi	INTERNATIONAL JOURNAL OF APPLIED CHEMISTRY	2005	0973-1792
227	Delhi	INTERNATIONAL JOURNAL OF APPLIED ENGINEERING RESEARCH	2006	0973-4562
228	Delhi	INTERNATIONAL JOURNAL OF APPLIED ENVIRONMENTAL SCIENCES	2006	0973-6077
229	Delhi	INTERNATIONAL JOURNAL OF APPLIED MATHEMATICAL ANALYSIS AND APPLICATIONS	2006	0973-3868
230	Delhi	INTERNATIONAL JOURNAL OF APPLIED RESEARCH ON INFORMATION TECHNOLOGY AND COMPUTING	2010	0975-8070
231	Delhi	INTERNATIONAL JOURNAL OF BIO-RESOURCE AND STRESS MANAGEMENT	2010	0976-3988
232	Delhi	INTERNATIONAL JOURNAL OF BIOTECHNOLOGY AND BIOCHEMISTRY	2004	0973-2691
233	Delhi	INTERNATIONAL JOURNAL OF CHEMICAL ENGINEERING RESEARCH	2009	0975-6442
234	Delhi	INTERNATIONAL JOURNAL OF CLINICAL PEDIATRIC DENTISTRY	2008	0974-7052
235	Delhi	INTERNATIONAL JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS	2006	1819-4966
236	Delhi	INTERNATIONAL JOURNAL OF COMPUTATIONAL INTELLIGENCE RESEARCH	2005	0973-1873
237	Delhi	INTERNATIONAL JOURNAL OF COMPUTING AND APPLICATIONS	2006	0973-5704
238	Delhi	INTERNATIONAL JOURNAL OF CURRENT CHEMISTRY	2010	0976-0784
239	Delhi	INTERNATIONAL JOURNAL OF DATA MINING AND EMERGING TECHNOLOGIES	2011	2249-3212

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240	Delhi	INTERNATIONAL JOURNAL OF DRUG FORMULATION AND RESEARCH	2010	2229-5054
241	Delhi	INTERNATIONAL JOURNAL OF DYNAMICS OF FLUIDS	2005	0973-1784
242	Delhi	INTERNATIONAL JOURNAL OF EDUCATIONAL SCIENCES	2009	0975-1122
243	Delhi	INTERNATIONAL JOURNAL OF ELECTRONICS ENGINEERING	2009	0973-7383
244	Delhi	INTERNATIONAL JOURNAL OF ELECTRONICS ENGINEERING RESEARCH	2009	0975-6450
245	Delhi	INTERNATIONAL JOURNAL OF ENVIRONMENT AND DEVELOPMENT	2004	0973-3574
246	Delhi	INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCES	2010	0976-4402
247	Delhi	INTERNATIONAL JOURNAL OF GLOBAL BUSINESS AND COMPETITIVENESS	2005	0973-4619
248	Delhi	INTERNATIONAL JOURNAL OF HEAD AND NECK SURGERY	2010	0975-7899
249	Delhi	INTERNATIONAL JOURNAL OF HUMAN GENETICS	2001	0972-3757
250	Delhi	INTERNATIONAL JOURNAL OF INFERTILITY AND FETAL MEDICINE	2010	2229-3817
251	Delhi	INTERNATIONAL JOURNAL OF INFORMATION PROCESSING	2007	0973-8215
252	Delhi	INTERNATIONAL JOURNAL OF MATERIALS SCIENCES	2006	0973-4589
253	Delhi	INTERNATIONAL JOURNAL OF MATHEMATICAL SCIENCES	2002	0972-754X
254	Delhi	INTERNATIONAL JOURNAL OF MECHANICS AND SOLIDS	2006	0973-1881
255	Delhi	INTERNATIONAL JOURNAL OF MEDICAL TOXICOLOGY & LEGAL MEDICINE	1998	0972-0448
256	Delhi	INTERNATIONAL JOURNAL OF NANOTECHNOLOGY AND APPLICATIONS	2007	0973-631X
257	Delhi	INTERNATIONAL JOURNAL OF NURSING EDUCATION	2009	0974-9349
258	Delhi	INTERNATIONAL JOURNAL OF ORAL IMPLANTOLOGY AND CLINICAL RESEARCH	2010	0975-6523
259	Delhi	INTERNATIONAL JOURNAL OF PETROLEUM SCIENCE AND TECHNOLOGY	2007	0973-6328
260	Delhi	INTERNATIONAL JOURNAL OF PHYTOMEDICINE	2009	0975-0185
261	Delhi	INTERNATIONAL JOURNAL OF PURE AND APPLIED PHYSICS	2005	0973-1776
262	Delhi	INTERNATIONAL JOURNAL OF REGULATION AND GOVERNANCE	2001	0972-4907
263	Delhi	INTERNATIONAL JOURNAL OF RURAL MANAGEMENT	2005	0973-0680
264	Delhi	INTERNATIONAL JOURNAL OF STATISTICS AND SYSTEMS	2006	0973-2675
265	Delhi	INTERNATIONAL JOURNAL OF THEORETICAL AND APPLIED MECHANICS	2006	0973-6085
266	Delhi	INTERNATIONAL JOURNAL OF TROPICAL AGRICULTURE	1983	0254-8755

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267	Delhi	INTERNATIONAL JOURNAL ON BIOLOGICAL SCIENCES	2010	0976-4518
268	Delhi	INTERNATIONAL JOURNAL ON CHEMICAL SCIENCES	2010	0976-4526
269	Delhi	INTERNATIONAL JOURNAL ON ENVIRONMENTAL SCIENCES	2010	0976-4534
270	Delhi	INTERNATIONAL JOURNAL ON PHYSICAL SCIENCES	2010	0973-8150
271	Delhi	INTERNATIONAL REVIEW OF FUZZY MATHEMATICS	2006	0973-4392
272	Delhi	INTERNATIONAL REVIEW OF PURE & APPLIED MATHEMATICS	2005	0973-1350
273	Delhi	INTERNATIONAL STUDIES	1959	0020-8817
274	Delhi	JIMSA: JOURNAL OF INTERNATIONAL MEDICAL SCIENCES ACADEMY	1988	0971-071X
275	Delhi	JOURNAL OF AEROSPACE SCIENCES AND TECHNOLOGIES	2004	0972-950X
276	Delhi	JOURNAL OF AGRICULTURAL ENGINEERING	1963	0256-6524
277	Delhi	JOURNAL OF ANALYSIS AND APPLICATIONS	2003	0972-5954
278	Delhi	JOURNAL OF ANALYSIS AND COMPUTATION	2005	0973-2861
279	Delhi	JOURNAL OF APPROXIMATION THEORY AND APPLICATIONS	2005	0973-287X
280	Delhi	JOURNAL OF AQUACULTURE IN THE TROPICS	1986	0970-0846
281	Delhi	JOURNAL OF BIOFUELS	2010	0976-3015
282	Delhi	JOURNAL OF BOMBAY VETERINARY COLLEGE (THE)	1993	0971-1643
283	Delhi	JOURNAL OF CAMEL PRACTICE AND RESEARCH	1994	0971-6777
284	Delhi	JOURNAL OF CLINICAL AND DIAGNOSTIC RESEARCH	2007	0973-729X
285	Delhi	JOURNAL OF COMMERCE AND MANAGEMENT THOUGHT	2010	0975-623X
286	Delhi	JOURNAL OF COMMUNICABLE DISEASES	1969	0019-5138
287	Delhi	JOURNAL OF COMPUTATIONAL INTELLIGENCE IN BIOINFORMATICS	2008	0973-385X
288	Delhi	JOURNAL OF COMPUTATIONAL MATHEMATICS AND OPTIMIZATION	2005	0972-9372
289	Delhi	JOURNAL OF CONTEMPORARY DENTAL PRACTICE (THE)	1999	1526-3711
290	Delhi	JOURNAL OF CREATIVE COMMUNICATIONS	2006	0973-2586
291	Delhi	JOURNAL OF DAIRYING FOOD AND HOME SCIENCE	1982	0971-4456
292	Delhi	JOURNAL OF DEVELOPING SOCIETIES	1985	0169-796X
293	Delhi	JOURNAL OF ECONOMIC AND TAXONOMIC BOTANY	1977	2050-9768
294	Delhi	JOURNAL OF ECOPHYSIOLOGY & OCCUPATIONAL HEALTH	2001	0973-4397
295	Delhi	JOURNAL OF EDUCATION FOR SUSTAINABLE DEVELOPMENT	2007	0973-4082
296	Delhi	JOURNAL OF EDUCATIONAL PLANNING AND ADMINISTRATION	1987	0971-3859
297	Delhi	JOURNAL OF EMERGING MARKET FINANCE	2002	0972-6527
298	Delhi	JOURNAL OF ENTREPRENEURSHIP (THE)	1992	0971-3557
299	Delhi	JOURNAL OF ENTOMOLOGICAL RESEARCH	1977	0378-9519

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301	Delhi	JOURNAL OF GEOLOGICAL SOCIETY OF INDIA	1957	0016-7622
302	Delhi	JOURNAL OF GLOBAL COMMUNICATION	2008	0974-0600
303	Delhi	JOURNAL OF HEALTH MANAGEMENT	1999	0972-0634
304	Delhi	JOURNAL OF HILL AGRICULTURE	2010	0976-7606
305	Delhi	JOURNAL OF HUMAN ECOLOGY	1990	0970-9274
306	Delhi	JOURNAL OF HUMAN VALUES	1995	0971-6858
307	Delhi	JOURNAL OF IMMUNOLOGY AND IMMUNOPATHOLOGY	1999	0972-0561
308	Delhi	JOURNAL OF INCOME & WEALTH (THE)	1978	0974-0309
309	Delhi	JOURNAL OF INDIAN ACADEMY OF FORENSIC MEDICINE	1978	0971-0973
310	Delhi	JOURNAL OF INDIAN MANAGEMENT & STRATEGY 8M (THE)	1995	0973-9335
311	Delhi	JOURNAL OF INDIAN OCEAN STUDIES	2003	0972-3080
312	Delhi	JOURNAL OF INDIAN ORTHODONTIC SOCIETY (THE)	1968	0301-5742
313	Delhi	JOURNAL OF INFORMATION AND OPTIMIZATION SCIENCES	1980	0252-2667
314	Delhi	JOURNAL OF INTELLECTUAL PROPERTY RIGHTS	1996	0971-5544
315	Delhi	JOURNAL OF LIBRARY AND INFORMATION SCIENCE	1976	0970-714X
316	Delhi	JOURNAL OF LIFE SCIENCES	2009	0975-1270
317	Delhi	JOURNAL OF MANAGEMENT RESEARCH	2001	0972-5814
318	Delhi	JOURNAL OF METALLURGY AND MATERIALS SCIENCE	2000	0972-4257
319	Delhi	JOURNAL OF NEONATOLOGY	1987	0973-2179
320	Delhi	JOURNAL OF NUCLEAR AGRICULTURE AND BIOLOGY	1972	0379-5489
321	Delhi	JOURNAL OF OBSTETRICS AND GYNECOLOGY OF INDIA (THE)	1951	0971-9202
322	Delhi	JOURNAL OF ORNAMENTAL HORTICULTURE	1993	0972-0499
323	Delhi	JOURNAL OF PALYNOLOGY	1965	0022-3379
324	Delhi	JOURNAL OF PEARLDENT	2010	0976-0180
325	Delhi	JOURNAL OF PLANT BIOCHEMISTRY AND BIOTECHNOLOGY	1992	0971-7811
326	Delhi	JOURNAL OF PLANT BIOLOGY	1974	0972-3862
327	Delhi	JOURNAL OF PLANT DISEASE SCIENCES	2006	0973-7456
328	Delhi	JOURNAL OF POLYMER MATERIALS	1984	0973-8622
329	Delhi	JOURNAL OF PROTEIN AND PROTEOMICS	2010	0975-8151
330	Delhi	JOURNAL OF PUNJAB ACADEMY OF FORENSIC MEDICINE & TOXICOLOGY	2001	0972-5687
331	Delhi	JOURNAL OF PURE AND APPLIED ULTRASONICS	1979	0256-4637
332	Delhi	JOURNAL OF RESEARCH, SKUAST-J	2001	0972-7469
333	Delhi	JOURNAL OF RESOURCES, ENERGY, AND DEVELOPMENT (FORMERLY KNOWN AS RESOURCES, ENERGY, AND DEVELOPMENT)	2004	0973-0516

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334	Delhi	JOURNAL OF SCIENTIFIC & INDUSTRIAL RESEARCH	1942	0022-4456
335	Delhi	JOURNAL OF SOCIAL SCIENCES	1997	0971-8923
336	Delhi	JOURNAL OF SOIL AND WATER CONSERVATION	1946	0022-457X
337	Delhi	JOURNAL OF SOUTH ASIAN DEVELOPMENT	2006	0973-1741
338	Delhi	JOURNAL OF THE INDIAN MEDICAL ASSOCIATION	1931	0019-5847
339	Delhi	JOURNAL OF THE INDIAN SOCIETY OF SOIL SCIENCE	1953	0019-638X
340	Delhi	JOURNAL OF THE INDIAN SOCIETY OF TOXICOLOGY	2005	0973-3558
341	Delhi	JOURNAL OF VECTOR BORNE DISEASES	2003	0972-9062
342	Delhi	JOURNAL OF VETERINARY PARASITOLOGY	1987	0971-6157
343	Delhi	JOURNAL OF WATER MANAGEMENT	1993	0971-6076
344	Delhi	LBS JOURNAL OF MANAGEMENT & RESEARCH	2003	0972-8031
345	Delhi	LEGUME RESEARCH	1978	0250-5371
346	Delhi	LIBRARY HERALD	1958	0024-2292
347	Delhi	LIBRARY PROGRESS (INTERNATIONAL)	1981	0970-1052
348	Delhi	LUCKNOW JOURNAL OF SCIENCE	2004	0974-8121
349	Delhi	LUCKNOW JOURNAL OF SOCIAL SCIENCES	2004	0974-8148
350	Delhi	MAN IN INDIA	1921	0025-1569
351	Delhi	MANAGEMENT & CHANGE	1997	0972-2149
352	Delhi	MANAGEMENT AND LABOUR STUDIES	1975	0258-042X
353	Delhi	MANGALMAY JOURNAL OF MANAGEMENT & TECHNOLOGY	2006	0973-7251
354	Delhi	MAPAN: JOURNAL OF METROLOGY SOCIETY OF INDIA	1985	0970-3950
355	Delhi	MARGIN: THE JOURNAL OF APPLIED ECONOMIC RESEARCH	2007	0973-8010
356	Delhi	MAUSAM	1950	0252-9416
357	Delhi	MEDICINAL PLANTS	2009	0975-4261
358	Delhi	MEDIEVAL HISTORY JOURNAL (THE)	1998	0971-9458
359	Delhi	MERI JOURNAL OF EDUCATION	2006	0974-2085
360	Delhi	NATIONAL MEDICAL JOURNAL OF INDIA (THE)	1988	0970-258X
361	Delhi	NEW BOTANIST: AN INTERNATIONAL QUARTERLY JOURNAL OF PLANT SCIENCE RESEARCH	1974	0377-1742
362	Delhi	NUCLEUS	1958	0029-568X
363	Delhi	NURSING AND MIDWIFERY RESEARCH JOURNAL	2005	1941-6806
364	Delhi	NURSING JOURNAL OF INDIA (THE)	1910	0029-6503
365	Delhi	ORIENTAL ANTHROPOLOGIST (THE)	2001	0972-558X
366	Delhi	ORYZA	2000	0474-7615
367	Delhi	OTORHINOLARYNGOLOGY CLINICS: AN INTERNATIONAL JOURNAL	2009	0975-444X
368	Delhi	PEARL: JOURNAL OF LIBRARY & INFORMATION SCIENCE	2007	0973-7081
369	Delhi	PEST MANAGEMENT IN HORTICULTURAL ECOSYSTEMS	1995	0971-6831

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370	Delhi	PESTICIDE RESEARCH JOURNAL	1989	0970-6763
371	Delhi	PHARMA REVIEW (THE)	2002	0973-399X
372	Delhi	PHYTOMORPHOLOGY: AN INTERNATIONAL JOURNAL OF PLANT SCIENCES	1951	0031-9449
373	Delhi	PHYTOTAXONOMY	2001	0972-4206
374	Delhi	POTATO JOURNAL	2004	0970-8235
375	Delhi	PRANJANA: THE JOURNAL OF MANAGEMENT AWARENESS	1998	0971-9997
376	Delhi	PROCEEDINGS OF THE INDIAN NATIONAL SCIENCES ACADEMY - PART A: PHYSICAL SCIENCES	1955	0370-0046
377	Delhi	PRODUCTIVITY	1960	0032-9924
378	Delhi	PROGRESS IN DEVELOPMENT STUDIES	2001	1464-9934
379	Delhi	PROGRESSIVE AGRICULTURE	2001	0972-6152
380	Delhi	PSYCHOLOGICAL STUDIES	1956	0033-2968
381	Delhi	PSYCHOLOGY AND DEVELOPING SOCIETIES	1989	0971-3336
382	Delhi	RESEARCH JOURNAL OF PHARMACY AND TECHNOLOGY	2008	0974-3618
383	Delhi	REVIEW OF MARKET INTEGRATION	2009	0974-9292
384	Delhi	SANKHYA: THE INDIAN JOURNAL OF STATISTICS	2003	0972-7671
385	Delhi	SCIENCE, TECHNOLOGY AND SOCIETY	1996	0971-7218
386	Delhi	SOCIAL CHANGE	1971	0049-0857
387	Delhi	SOCIOLOGICAL BULLETIN	1952	0038-0229
388	Delhi	SOUTH ASIA ECONOMIC JOURNAL	2000	1391-5614
389	Delhi	SOUTH ASIA RESEARCH	1981	0262-7280
390	Delhi	SOUTH ASIAN ANTHROPOLOGIST	2001	0257-7348
391	Delhi	SOUTH ASIAN SURVEY	1994	0971-5231
392	Delhi	STATISTICAL MODELLING	2001	1471-082X
393	Delhi	STUDIES IN HISTORY	1985	0257-6430
394	Delhi	STUDIES OF TRIBES AND TRIBALS	2003	0972-639X
395	Delhi	STUDIES ON ETHNO-MEDICINE	2007	0973-5070
396	Delhi	STUDIES ON HOME AND COMMUNITY SCIENCE	2007	0973-7189
397	Delhi	SUGAR TECH	1999	0972-1525
398	Delhi	TOXICOLOGY INTERNATIONAL	1994	0971-6580
399	Delhi	TRENDS IN BIOSCIENCES	2008	0974-8431
400	Delhi	VEGETOS- AN INTERNATIONAL JOURNAL OF PLANT RESEARCH	1988	0970-4078
401	Delhi	VIDHIGYA: JOURNAL OF LEGAL AWARENESS (THE)	2006	0973-3825
402	Delhi	VIRUSDISEASE	2014	2347-3584
403	Delhi	WORLD JOURNAL OF DENTISTRY	2010	0976-6006
404	Delhi	WORLD JOURNAL OF ENDOCRINE SURGERY	2009	0975-5039
405	Delhi	WORLD JOURNAL OF LAPROSCOPIC SURGERY		0974-5092
406	Delhi	YOUNG: NORDIC JOURNAL OF YOUTH RESEARCH	1993	1103-3088

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407	Gujarat	ATIRA COMMUNICATIONS ON TEXTILES	1966	0971-0833
408	Gujarat	GUJARAT AGRICULTURAL UNIVERSITY RESEARCH JOURNAL	1975	0250-5193
409	Gujarat	GUJARAT JOURNAL OF OTORHINOLARYNGOLOGY AND HEAD AND NECK SURGERY	2004	0973-1024
410	Gujarat	HEALTHLINE	2010	2229-337X
411	Gujarat	JOURNAL OF AGROMETEOROLOGY	1999	0972-1665
412	Gujarat	JOURNAL OF CELL AND TISSUE RESEARCH	2001	0973-0028
413	Gujarat	JOURNAL OF GEOMATICS	2007	0976-1330
414	Gujarat	NATIONAL JOURNAL OF COMMUNITY MEDICINE	2010	0976-3325
415	Gujarat	NATIONAL JOURNAL OF OTORHINOLARYNGOLOGY AND HEAD AND NECK SURGERY	2013	0973-1024
416	Gujarat	OPEN ACCESS JOURNAL OF MEDICINAL AND AROMATIC PLANTS	2010	0974-7877
417	Gujarat	PATHOLOGY AND LABORATORY MEDICINE	2009	0975-3109
418	Gujarat	PHARMA SCIENCE MONITOR: AN INTERNATIONAL JOURNAL OF PHARMACEUTICAL SCIENCES	2010	0976-7908
419	Gujarat	RESEARCH JOURNAL OF PHARMACEUTICAL, BIOLOGICAL, AND CHEMICAL SCIENCES	2010	0975-8585
420	Gujarat	VETERINARY WORLD	2008	0972-8988
421	Gujarat	VIKALPA: JOURNAL FOR DECISION MAKERS	1976	0256-0909
422	Haryana	ALLELOPATHY JOURNAL	1994	0971-4693
423	Haryana	ARYA BHATTA JOURNAL OF MATHEMATICS AND INFORMATICS	2009	0975-7139
424	Haryana	ECO-RESEARCH JOURNAL OF BIO-SCIENCES	2002	0972-6403
425	Haryana	FORAGE RESEARCH	1975	0972-7183
426	Haryana	HARYANA AGRICULTURAL UNIVERSITY JOURNAL OF RESEARCH	1971	0379-4008
427	Haryana	HARYANA JOURNAL OF AGRONOMY	1984	0970-5414
428	Haryana	HARYANA JOURNAL OF HORTICULTURAL SCIENCES	1972	0970-2873
429	Haryana	INTERNATIONAL JOURNAL OF ADVANCEMENTS IN TECHNOLOGY	2010	0976-4860
430	Haryana	INTERNATIONAL LIBRARY MOVEMENT	1974	0970-0048
431	Haryana	JOURNAL OF ANAESTHESIOLOGY CLINICAL PHARMACOLOGY	1985	0970-9185
432	Haryana	OBS & GYNAE TODAY	1996	0971-8133
433	Haryana	RESEARCH ON CROPS	2000	0972-3226
434	Himachal Pradesh	INDIAN JOURNAL OF DENTAL SCIENCES	2009	0976-4003
435	Himachal Pradesh	MUSHROOM RESEARCH	1992	0972-4885

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436	Jammu and Kashmir	JK - PRACTITIONER : INTERNATIONAL JOURNAL OF CURRENT MEDICAL SCIENCE & PRACTICE	1994	0971-8834
437	Jammu and Kashmir	JK SCIENCE: JOURNAL OF MEDICAL EDUCATION & RESEARCH	1999	0972-1177
438	Jharkhand	INDIAN JOURNAL OF ENVIRONMENT AND ECOPLANNING	1998	0972-1215
439	Karnataka	AL AMEEN JOURNAL OF MEDICAL SCIENCES	2008	0974-1143
440	Karnataka	BULLETIN OF MATERIALS SCIENCE	1978	0250-4707
441	Karnataka	CURRENT SCIENCE	1932	0011-3891
442	Karnataka	INDIAN JOURNAL OF CLINICAL PSYCHOLOGY	1974	0303-2582
443	Karnataka	INDIAN JOURNAL OF HOSPITAL PHARMACY (THE)	1964	0019-526X
444	Karnataka	INDIAN JOURNAL OF OCCUPATIONAL THERAPY	1955	0445-7706
445	Karnataka	INDIAN JOURNAL OF PHARMACEUTICAL EDUCATION & RESEARCH	1967	0019-5464
446	Karnataka	INDIAN JOURNAL OF SERICULTURE	1962	0445-7722
447	Karnataka	INDIAN MINERALOGIST (THE)	1967	0019-5929
448	Karnataka	INDIAN PACING AND ELECTROPHYSIOLOGY JOURNAL	2001	0972-6292
449	Karnataka	INTERNATIONAL JOURNAL OF APPLIED ECONOMICS AND ECONOMETRICS	1991	0971-8281
450	Karnataka	INTERNATIONAL JOURNAL OF DRUG DEVELOPMENT & RESEARCH	2009	0975-9344
451	Karnataka	INTERNATIONAL JOURNAL OF PHARMACEUTICAL SCIENCES: REVIEW AND RESEARCH	2010	0976-044X
452	Karnataka	JOURNAL OF ASTROPHYSICS & ASTRONOMY	1980	0250-6335
453	Karnataka	JOURNAL OF BIOLOGICAL CONTROL	1987	0971-930X
454	Karnataka	JOURNAL OF BIOSCIENCES	1979	0250-5991
455	Karnataka	JOURNAL OF CENTRAL POWER RESEARCH INSTITUTE (THE)	2004	0973-0338
456	Karnataka	JOURNAL OF CHEMICAL SCIENCE	1934	0253-4134
457	Karnataka	JOURNAL OF COFFEE RESEARCH	1973	0374-8537
458	Karnataka	JOURNAL OF DENTAL SCIENCES AND RESEARCH	2010	0976-2841
459	Karnataka	JOURNAL OF EARTH SYSTEM SCIENCE	1934	0253-4126
460	Karnataka	JOURNAL OF ENVIRONMENTAL BIOLOGY	1980	0254-8704
461	Karnataka	JOURNAL OF FOOD SCIENCE AND TECHNOLOGY	1964	0022-1155
462	Karnataka	JOURNAL OF GENETICS	1910	0022-1333
463	Karnataka	JOURNAL OF NATURAL REMEDIES	2000	0972-5547
464	Karnataka	JOURNAL OF PEDIATRIC NEUROSCIENCES	2006	1817-1745
465	Karnataka	JOURNAL OF PHARMACEUTICAL RESEARCH	2002	0973-7200
466	Karnataka	JOURNAL OF SPACECRAFT TECHNOLOGY	1990	0971-1600
467	Karnataka	JOURNAL OF THE RAMANUJAN MATHEMATICAL SOCIETY	1986	0970-1249
468	Karnataka	KARNATAKA JOURNAL OF AGRICULTURAL SCIENCES	1988	0972-1061
469	Karnataka	MANUFACTURING TECHNOLOGY TODAY	2002	0972-7396
470	Karnataka	ONLINE JOURNAL OF HEALTH AND ALLIED SCIENCES	2002	0972-5997

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471	Karnataka	PRABHANDAN: A JOURNAL OF BUSINESS ADMINISTRATION	2010	2229-4791
472	Karnataka	PRAMANA- JOURNAL OF PHYSICS	1973	0304-4289
473	Karnataka	PROCEEDINGS OF THE INDIAN ACADEMY OF SCIENCES: MATHEMATICAL SCIENCES	1891	0253-4142
474	Karnataka	SADHANA - ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES	1976	0256-2499
475	Karnataka	SRELS JOURNAL OF INFORMATION MANAGEMENT	2000	0972-2467
476	Kerala	AMALA - RESEARCH BULLETIN	1982	0971-4987
477	Kerala	ARYA VAIDYAN	1987	0970-4086
478	Kerala	CASHEW (THE)	1987	0970-2423
479	Kerala	CASHEW AND COCOA JOURNAL (THE)	2009	0970-2423
480	Kerala	CURRENT TOPICS IN PEPTIDE & PROTEIN RESEARCH	1994	0972-4524
481	Kerala	CURRENT TOPICS IN PHARMACOLOGY	1992	0972-4559
482	Kerala	CURRENT TRENDS IN IMMUNOLOGY	1998	0972-4567
483	Kerala	ENTOMON	1976	0377-9335
484	Kerala	FISHERY TECHNOLOGY	1964	0015-3001
485	Kerala	INDIAN JOURNAL OF ARECANUT, SPICES & MEDICINAL PLANTS	1999	0972-2483
486	Kerala	INDIAN JOURNAL OF BOTANICAL RESEARCH	2005	0973-2233
487	Kerala	INDIAN JOURNAL OF FISHERIES	1954	0970-6011
488	Kerala	INDIAN JOURNAL OF VETERINARY MEDICINE	1981	0970-051X
489	Kerala	INDIAN VETERINARY JOURNAL (THE)	1924	0019-6479
490	Kerala	JOURNAL OF ROOT CROPS	1975	0378-2409
491	Kerala	JOURNAL OF SPICES AND AROMATIC CROPS	1992	0971-3328
492	Kerala	JOURNAL OF TROPICAL AGRICULTURE	1993	0971-636X
493	Kerala	KELPRO BULLETIN	1997	0975-4911
494	Kerala	KERALA DENTAL JOURNAL	1977	0972-396X
495	Kerala	NATURAL RUBBER RESEARCH	1988	0970-2431
496	Kerala	RHEEDEA	1991	0971-2313
497	Kerala	RUBBER SCIENCE	2012	0970-2431
498	Kerala	SOUTH ASIAN JOURNAL OF SOCIO-POLITICAL STUDIES	2000	0972-4613
499	Kerala	TRENDS IN BIOMATERIALS & ARTIFICIAL ORGANS	1987	0971-1198
500	Madhya Pradesh	ASIAN JOURNAL OF EXPERIMENTAL SCIENCES	1985	0971-5444
501	Madhya Pradesh	ASIAN JOURNAL OF PHARMACEUTICAL AND CLINICAL RESEARCH	2008	0974-2441
502	Madhya Pradesh	BIONATURE	1981	0970-9835
503	Madhya Pradesh	BIOSCIENCES, BIOTECHNOLOGY RESEARCH ASIA	2003	0973-1245
504	Madhya Pradesh	INDIAN JOURNAL OF APPLIED & PURE BIOLOGY	1986	0970-2091
505	Madhya Pradesh	INDIAN JOURNAL OF FIELD VETERINARIANS (THE)	2005	0973-3175

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506	Madhya Pradesh	INDIAN JOURNAL OF NATURAL PRODUCTS	1985	0970-129X
507	Madhya Pradesh	INDIAN JOURNAL OF TROPICAL BIODIVERSITY	1993	0971-4642
508	Madhya Pradesh	INTERNATIONAL JOURNAL OF ADVANCES IN PHARMACEUTICAL SCIENCES	2010	0976-1055
509	Madhya Pradesh	INTERNATIONAL JOURNAL OF DRUG DELIVERY	2009	0975-0215
510	Madhya Pradesh	INTERNATIONAL JOURNAL OF PHARMACY AND PHARMACEUTICAL SCIENCES	2009	0975-1491
511	Madhya Pradesh	JOURNAL OF INDIAN ACADEMY OF MATHEMATICS (THE)	1979	0970-5120
512	Madhya Pradesh	JOURNAL OF TROPICAL FORESTRY	1985	0970-1494
513	Madhya Pradesh	LIFE SCIENCE BULLETIN	2004	0973-5453
514	Madhya Pradesh	ORIENTAL JOURNAL OF CHEMISTRY	1985	0970-020X
515	Madhya Pradesh	ORIENTAL JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY	2008	0974-6471
516	Madhya Pradesh	PEOPLE'S JOURNAL OF SCIENTIFIC RESEARCH	2008	0974-6358
517	Madhya Pradesh	RESEARCH JOURNAL OF BIOTECHNOLOGY	2006	0973-6263
518	Madhya Pradesh	RESEARCH JOURNAL OF CHEMISTRY AND ENVIRONMENT	1997	0972-0626
519	Madhya Pradesh	TRIBAL HEALTH BULLETIN	1992	0971-4677
520	Maharashtra	ADVANCES IN PHARMACOLOGY AND TOXICOLOGY	2000	0973-2381
521	Maharashtra	AGROPEDOLOGY	1991	0971-1570
522	Maharashtra	ANNALS OF CARDIAC ANAESTHESIA	1998	0971-9784
523	Maharashtra	ANNALS OF INDIAN ACADEMY OF NEUROLOGY	1998	0972-2327
524	Maharashtra	ANNALS OF PEDIATRIC CARDIOLOGY	2008	0974-2069
525	Maharashtra	ANNALS OF PLANT PHYSIOLOGY	1987	0971-9924
526	Maharashtra	ANNALS OF THORACIC MEDICINE	2006	1817-1737
527	Maharashtra	ANNALS OF TROPICAL MEDICINE AND PUBLIC HEALTH	2008	1755-6783
528	Maharashtra	APPLIED FISHERIES & AQUACULTURE	2001	0972-2092
529	Maharashtra	ARTHA VIJNANA	1959	0971-586X
530	Maharashtra	ASIAN JOURNAL OF CHEMICAL AND ENVIRONMENTAL RESEARCH	2008	0974-3049
531	Maharashtra	ASIAN JOURNAL OF TRANSFUSION SCIENCE	2007	0973-6247
532	Maharashtra	BEVERAGE AND FOOD WORLD	1974	0970-6194
533	Maharashtra	BIONANO FRONTIER	2007	0974-0678
534	Maharashtra	BOMBAY HOSPITAL JOURNAL	1959	0524-0182
535	Maharashtra	BTRA SCAN	1970	0972-8341
536	Maharashtra	BULLETIN OF INDIAN VACUUM SOCIETY	1986	0970-2334
537	Maharashtra	CARDIOLOGY TODAY	1997	0971-9172
538	Maharashtra	CHRONICLES OF YOUNG SCIENTISTS	2010	2229-5186
539	Maharashtra	CMRD JOURNAL OF MANAGEMENT RESEARCH (CJMR)	2004	0973-8401
540	Maharashtra	COLOURAGE	1953	0010-1826
541	Maharashtra	CONSERVATION & SOCIETY	2003	0972-4923

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542	Maharashtra	CONTEMPORARY CLINICAL DENTISTRY	2010	0976-237X
543	Maharashtra	COTTON RESEARCH JOURNAL	2010	0970-308X
544	Maharashtra	DECCAN GEOGRAPHER (THE)	1962	0011-7269
545	Maharashtra	DEERGHAYU INTERNATIONAL	1985	0970-3381
546	Maharashtra	DEMOGRAPHY INDIA	1972	0970-454X
547	Maharashtra	DRUG DEVELOPMENT AND THERAPEUTICS	2013	2394-6555
548	Maharashtra	ECOLOGY ENVIRONMENT & CONSERVATION	1995	0971-765X
549	Maharashtra	EDUCATION FOR HEALTH	1988	1357-6283
550	Maharashtra	GONDWANA GEOLOGICAL MAGAZINE	1986	0970-261X
551	Maharashtra	HEPATITIS B ANNUAL	2004	0972-9747
552	Maharashtra	IETE JOURNAL OF EDUCATION	1960	0970-1664
553	Maharashtra	IETE JOURNAL OF RESEARCH	1955	0377-2063
554	Maharashtra	IETE TECHNICAL REVIEW	1984	0256-4602
555	Maharashtra	INDIAN BEE JOURNAL	1939	0019-4425
556	Maharashtra	INDIAN CONCRETE JOURNAL (THE)	1927	0019-4565
557	Maharashtra	INDIAN DRUGS	1964	0019-462X
558	Maharashtra	INDIAN JOURNAL OF AGRICULTURAL ECONOMICS	1946	0019-5014
559	Maharashtra	INDIAN JOURNAL OF AGRICULTURAL MARKETING	1987	0971-8664
560	Maharashtra	INDIAN JOURNAL OF ANAESTHESIA	1948	0019-5049
561	Maharashtra	INDIAN JOURNAL OF CANCER	1964	0019-509X
562	Maharashtra	INDIAN JOURNAL OF COMMERCE & MANAGEMENT STUDIES	2010	2249-0310
563	Maharashtra	INDIAN JOURNAL OF COMMUNITY MEDICINE	1976	0970-0218
564	Maharashtra	INDIAN JOURNAL OF CRITICAL CARE MEDICINE	1997	0972-5229
565	Maharashtra	INDIAN JOURNAL OF DERMATOLOGY	1955	0019-5154
566	Maharashtra	INDIAN JOURNAL OF ENDOCRINOLOGY AND METABOLISM	1997	2230-8210
567	Maharashtra	INDIAN JOURNAL OF HUMAN GENETICS	1995	0971-6866
568	Maharashtra	INDIAN JOURNAL OF MEDICAL AND PAEDIATRIC ONCOLOGY	1980	0971-5851
569	Maharashtra	INDIAN JOURNAL OF MEDICAL ETHICS	1993	0973-7081
570	Maharashtra	INDIAN JOURNAL OF MEDICAL MICROBIOLOGY	1976	0255-0857
571	Maharashtra	INDIAN JOURNAL OF MEDICAL SCIENCES	1948	0019-5359
572	Maharashtra	INDIAN JOURNAL OF NEPHROLOGY	1990	0971-4065
573	Maharashtra	INDIAN JOURNAL OF NUCLEAR MEDICINE	1986	0973-3919
574	Maharashtra	INDIAN JOURNAL OF OCCUPATIONAL & ENVIRONMENTAL MEDICINE	2003	0973-2284
575	Maharashtra	INDIAN JOURNAL OF OPHTHALMOLOGY	1953	0301-4738
576	Maharashtra	INDIAN JOURNAL OF ORTHOPAEDICS	1967	0019-5413
577	Maharashtra	INDIAN JOURNAL OF PALLIATIVE CARE	1994	0973-1075

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578	Maharashtra	INDIAN JOURNAL OF PATHOLOGY & MICROBIOLOGY	1958	0377-4929
579	Maharashtra	INDIAN JOURNAL OF PHARMACEUTICAL SCIENCES	1939	0250-474X
580	Maharashtra	INDIAN JOURNAL OF PHARMACOLOGY	1969	0253-7613
581	Maharashtra	INDIAN JOURNAL OF PLASTIC SURGERY	1968	0970-0358
582	Maharashtra	INDIAN JOURNAL OF PSYCHIATRY	1959	0019-5545
583	Maharashtra	INDIAN JOURNAL OF PSYCHOLOGICAL MEDICINE	1978	0253-7176
584	Maharashtra	INDIAN JOURNAL OF PUBLIC HEALTH	1957	0019-557X
585	Maharashtra	INDIAN JOURNAL OF RADIOLOGY AND IMAGING (THE)	1991	0971-3026
586	Maharashtra	INDIAN JOURNAL OF SEXUALLY TRANSMITTED DISEASES	1980	0253-7184
587	Maharashtra	INDIAN JOURNAL OF SEXUALLY TRANSMITTED DISEASES AND AIDS	2008	0253-7184
588	Maharashtra	INDIAN JOURNAL OF SOCIAL WORK (THE)	1940	0019-5634
589	Maharashtra	INDIAN JOURNAL OF TRANSPORT MANAGEMENT	2001	0972-5695
590	Maharashtra	INDIAN JOURNAL OF UROLOGY	1985	0970-1591
591	Maharashtra	INDIAN PEDIATRICS	1964	0974-7559
592	Maharashtra	INDIAN PRACTITIONER (THE)	1948	0019-6169
593	Maharashtra	INDUSTRIAL PSYCHIATRY JOURNAL	1991	0972-6748
594	Maharashtra	INTERNATIONAL JOURNAL OF AYURVEDA RESEARCH	2010	0974-7788
595	Maharashtra	INTERNATIONAL JOURNAL OF CHEMTECH RESEARCH	2009	0974-4290
596	Maharashtra	INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND APPLICATIONS	2004	0972-9038
597	Maharashtra	INTERNATIONAL JOURNAL OF CURRENT RESEARCH AND REVIEW	2009	2231-2196
598	Maharashtra	INTERNATIONAL JOURNAL OF GREEN PHARMACY	2007	0973-8258
599	Maharashtra	INTERNATIONAL JOURNAL OF PHARMACEUTICAL AND BIOLOGICAL ARCHIVE	2010	0976-3333
600	Maharashtra	INTERNATIONAL JOURNAL OF PHARMACOLOGY AND BIOLOGICAL SCIENCES	2007	0973-6808
601	Maharashtra	INTERNATIONAL JOURNAL OF PHARMTECH RESEARCH	2009	0974-4304
602	Maharashtra	INTERNATIONAL JOURNAL OF SHOULDER SURGERY	2007	0973-6042
603	Maharashtra	INTERNATIONAL JOURNAL OF YOGA	2008	0973-6131
604	Maharashtra	JOURNAL OF ADVANCED PHARMACEUTICAL TECHNOLOGY & RESEARCH	2010	2231-4040
605	Maharashtra	JOURNAL OF ASSOCIATION OF PHYSICIANS OF INDIA	1945	0004-5772
606	Maharashtra	JOURNAL OF AYURVEDA AND INTEGRATIVE MEDICINE	2010	0975-9476
607	Maharashtra	JOURNAL OF BASIC AND CLINICAL PHARMACY	2010	0976-0105
608	Maharashtra	JOURNAL OF CANCER RESEARCH AND THERAPEUTICS	2005	0973-1482
609	Maharashtra	JOURNAL OF CARCINOGENESIS	2002	0974-6773
610	Maharashtra	JOURNAL OF CONSERVATIVE DENTISTRY	1998	0972-0707
611	Maharashtra	JOURNAL OF CONSTRUCTION MANAGEMENT	1986	0970-3675
612	Maharashtra	JOURNAL OF CUTANEOUS AND AESTHETIC SURGERY	2008	0974-2077

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613	Maharashtra	JOURNAL OF CYTOLOGY	1984	0970-9371
614	Maharashtra	JOURNAL OF EMERGENCIES, TRAUMA AND SHOCK	2008	0974-2700
615	Maharashtra	JOURNAL OF ENGINEERING EDUCATION (THE)	1986	0971-5843
616	Maharashtra	JOURNAL OF ENVIRONMENTAL SCIENCE & ENGINEERING	1959	0367-827X
617	Maharashtra	JOURNAL OF EXTENSION SYSTEMS	1985	0970-2989
618	Maharashtra	JOURNAL OF FAMILY MEDICINE AND PRIMARY CARE	2012	2249-4863
619	Maharashtra	JOURNAL OF FAMILY WELFARE (THE)	1954	0022-1074
620	Maharashtra	JOURNAL OF FINANCIAL MANAGEMENT AND ANALYSIS	1988	0970-4505
621	Maharashtra	JOURNAL OF FORENSIC DENTAL SCIENCES	2009	0974-0309
622	Maharashtra	JOURNAL OF GENERAL MEDICINE (THE)	1988	0970-566X
623	Maharashtra	JOURNAL OF GLOBAL INFECTIOUS DISEASES	2009	0974-777X
624	Maharashtra	JOURNAL OF GYNECOLOGICAL ENDOSCOPY AND SURGERY	2009	0974-1216
625	Maharashtra	JOURNAL OF HUMAN REPRODUCTIVE SCIENCES	2008	0974-1208
626	Maharashtra	JOURNAL OF INDIAN ASSOCIATION OF PEDIATRIC SURGEONS	1996	0971-9261
627	Maharashtra	JOURNAL OF INDIAN WATER WORKS ASSOCIATION	1969	0970-275X
628	Maharashtra	JOURNAL OF INDUSTRIAL POLLUTION CONTROL	1985	0970-2083
629	Maharashtra	JOURNAL OF LABORATORY PHYSICIANS	2009	0974-2727
630	Maharashtra	JOURNAL OF MAHATMA GANDHI INSTITUTE OF MEDICAL SCIENCES	1996	0971-9903
631	Maharashtra	JOURNAL OF MEDICAL PHYSICS	1976	0971-6203
632	Maharashtra	JOURNAL OF MICROBIAL WORLD	1999	0972-1487
633	Maharashtra	JOURNAL OF MID-LIFE HEALTH	2010	0976-7800
634	Maharashtra	JOURNAL OF MINIMAL ACCESS SURGERY	2005	0972-9941
635	Maharashtra	JOURNAL OF NEUROSCIENCES IN RURAL PRACTICE	2010	0976-3147
636	Maharashtra	JOURNAL OF ORAL AND MAXILLOFACIAL PATHOLOGY	1997	0973-029X
637	Maharashtra	JOURNAL OF OROFACIAL SCIENCES	2009	0975-8844
638	Maharashtra	JOURNAL OF PHARMACOLOGY AND PHARMACOTHERAPEUTICS	2010	0976-500X
639	Maharashtra	JOURNAL OF PHARMACY AND BIOALLIED SCIENCES	2009	0976-4879
640	Maharashtra	JOURNAL OF POSTGRADUATE MEDICINE	1955	0022-3859
641	Maharashtra	JOURNAL OF SOILS & CROPS	1990	0971-2836
642	Maharashtra	JOURNAL OF SURFACE SCIENCE AND TECHNOLOGY	1985	0970-1893
643	Maharashtra	JOURNAL OF THE ACADEMY OF CLINICAL MICROBIOLOGISTS (THE)	1999	0972-1282
644	Maharashtra	JOURNAL OF THE INDIAN SOCIETY FOR COTTON IMPROVEMENT	1976	0970-308X
645	Maharashtra	JOURNAL OF THE TEXTILE ASSOCIATION	1939	0368-4636
646	Maharashtra	JOURNAL OF YOUNG PHARMACISTS	2009	0975-1483
647	Maharashtra	LUNG INDIA	1982	0970-2113

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648	Maharashtra	MAN MADE TEXTILES IN INDIA	1958	0377-7537
649	Maharashtra	MEDICAL JOURNAL ARMED FORCES INDIA	1945	0377-1237
650	Maharashtra	MENS SANA MONOGRAPH	2003	0973-1229
651	Maharashtra	NATURE ENVIRONMENT & POLLUTION TECHNOLOGY	2002	0972-6268
652	Maharashtra	NEUROLOGY INDIA	1952	0028-3886
653	Maharashtra	OMAN JOURNAL OF OPHTHALMOLOGY	2008	0974-620X
654	Maharashtra	PERSPECTIVES IN CLINICAL RESEARCH	2010	2229-3485
655	Maharashtra	PESTOLOGY	1977	0970-3012
656	Maharashtra	PHARMACOGNOSY RESEARCH	2009	0976-4836
657	Maharashtra	PHYSICS EDUCATION	1984	0970-5953
658	Maharashtra	POLLUTION RESEARCH	1982	0257-8050
659	Maharashtra	PRAVARA MANAGEMENT REVIEW	2009	0975-7201
660	Maharashtra	PRAVARA MEDICAL REVIEW	2006	0975-0533
661	Maharashtra	PVRI REVIEW	2009	0974-6013
662	Maharashtra	RESEARCHERS WORLD - JOURNAL OF ARTS SCIENCE AND COMMERCE	2010	2231-4172
663	Maharashtra	SAUDI JOURNAL OF GASTROENTEROLOGY (THE)	1995	1319-3767
664	Maharashtra	SAUDI JOURNAL OF KIDNEY DISEASES AND TRANSPLANTATION	1990	1319-2442
665	Maharashtra	THE CRITERION: AN INTERNATIONAL JOURNAL IN ENGLISH	2010	0976-8165
666	Maharashtra	TRANSACTIONS JOURNAL OF THE INSTITUTE OF INDIAN GEOGRAPHERS	1979	0970-9851
667	Maharashtra	UROLOGY ANNALS	2009	0974-7796
668	Meghalaya	HILL GEOGRAPHER	1982	0970-5023
669	Orissa	BULLETIN OF THE INDIAN ACADEMY OF SERICULTURE	1997	0972-1657
670	Orissa	INDIAN JOURNAL OF INFORMATION, LIBRARY & SOCIETY	1988	0971-4286
671	Orissa	INDIAN MINING & ENGINEERING JOURNAL (THE)	1961	0019-5944
672	Orissa	JOURNAL OF APPLIED ZOOLOGICAL RESEARCHES	2003	0970-9304
673	Orissa	MEDIA WATCH	2010	0976-0911
674	Puducherry (UT)	NTTC BULLETIN	1996	2250-396X
675	Punjab	AGRICULTURAL RESEARCH JOURNAL	2015	0048-6019
676	Punjab	CURRENT MEDICAL TRENDS	1997	0972-3390
677	Punjab	JOURNAL OF ANATOMICAL SOCIETY OF INDIA	1951	0003-2778
678	Punjab	JOURNAL OF INDIAN SOCIETY OF PEDODONTICS AND PREVENTIVE DENTISTRY	1983	0970-4388
679	Punjab	JOURNAL OF INSECT SCIENCE	1987	0970-3837
680	Punjab	JOURNAL OF RESEARCH, PUNJAB AGRICULTURAL UNIVERSITY (PAU)	1964	0048-6019
681	Punjab	PLANT DISEASE RESEARCH	1986	0970-4914
682	Rajasthan	ADMINISTRATIVE CHANGE	1973	0302-2986

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683	Rajasthan	CURRENT AGRICULTURE	1977	0254-1092
684	Rajasthan	GEOBIOS	1974	0251-1223
685	Rajasthan	HETEROCYCLIC LETTERS	2011	2230-9632
686	Rajasthan	INDIAN JOURNAL OF APPLIED ENTOMOLOGY	1987	0970-9509
687	Rajasthan	INDIAN JOURNAL OF CLINICAL BIOCHEMISTRY	1986	0970-1915
688	Rajasthan	INDIAN JOURNAL OF GERONTOLOGY	1987	0971-4189
689	Rajasthan	INDIAN JOURNAL OF NEUROTRAUMA (THE)	2004	0973-0508
690	Rajasthan	INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN COMPUTER SCIENCE	2010	0976-5697
691	Rajasthan	INTERNATIONAL JOURNAL OF CHEMICAL SCIENCES	2003	0972-768X
692	Rajasthan	INTERNATIONAL JOURNAL OF ECOLOGY AND ENVIRONMENTAL SCIENCES	1975	0377-015X
693	Rajasthan	INTERNATIONAL JOURNAL OF ORAL & MAXILLOFACIAL PATHOLOGY	2010	2231-2250
694	Rajasthan	INTERNATIONAL JOURNAL OF PROSTHETIC DENTISTRY	2010	2231-2269
695	Rajasthan	JOURNAL OF CHEMICAL AND PHARMACEUTICAL RESEARCH	2009	0975-7384
696	Rajasthan	JOURNAL OF CYTOLOGY & GENETICS (THE)	2000	0253-7605
697	Rajasthan	JOURNAL OF ECO-PHYSIOLOGY	2001	0972-0413
698	Rajasthan	JOURNAL OF MYCOLOGY AND PLANT PATHOLOGY	1971	0971-9393
699	Rajasthan	JOURNAL OF PHYTOLOGICAL RESEARCH	1988	0970-5767
700	Rajasthan	PACIFIC BUSINESS REVIEW	2008	0974-438X
701	Rajasthan	PACIFIC BUSINESS REVIEW INTERNATIONAL	2011	0974-438X
702	Rajasthan	RASAYAN JOURNAL OF CHEMISTRY	2008	0974-1496
703	Sikkim	JOURNAL OF HILL RESEARCH	1987	0970-7050
704	Tamil Nadu	ADVANCED BIOTECH	2002	0973-0109
705	Tamil Nadu	ADVANCES IN VIBRATION ENGINEERING	2002	0972-5768
706	Tamil Nadu	ANTISEPTIC (THE)	1904	0003-5998
707	Tamil Nadu	BIOMEDICINE	1980	0970-2067
708	Tamil Nadu	CHRISTIAN MEDICAL COLLEGE, THE ALUMNI JOURNAL	1966	0009-5451
709	Tamil Nadu	E-JOURNAL OF CHEMISTRY	2004	0973-4945
710	Tamil Nadu	ELECTRONIC JOURNAL OF PLANT BREEDING	2009	0975-928X
711	Tamil Nadu	ENERGY & FUEL USERS' JOURNAL	1990	0971-2631
712	Tamil Nadu	INDIAN JOURNAL OF APPLIED PSYCHOLOGY	1964	0019-5073
713	Tamil Nadu	INDIAN JOURNAL OF COMPUTER SCIENCE AND ENGINEERING	2010	2231-3850
714	Tamil Nadu	INDIAN JOURNAL OF CONTINUING NURSING EDUCATION	2000	2230-7354
715	Tamil Nadu	INDIAN JOURNAL OF CRIMINOLOGY	1973	0974-7249
716	Tamil Nadu	INDIAN JOURNAL OF DENTAL RESEARCH	1990	0970-9290
717	Tamil Nadu	INDIAN JOURNAL OF RHEUMATOLOGY	2006	0973-3698

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718	Tamil Nadu	INDIAN JOURNAL OF SCIENCE AND TECHNOLOGY	2007	0974-6846
719	Tamil Nadu	INDIAN REVIEW OF WORLD LITERATURE IN ENGLISH (THE)	2005	0974-097X
720	Tamil Nadu	INTERNATIONAL JOURNAL OF COMPUTER NETWORKS & COMMUNICATIONS	2009	0975-2293
721	Tamil Nadu	INTERNATIONAL JOURNAL OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY	2009	0975-4660
722	Tamil Nadu	INTERNATIONAL JOURNAL OF CRIMINAL JUSTICE SCIENCES	2006	0973-5089
723	Tamil Nadu	INTERNATIONAL JOURNAL OF CYBER CRIMINOLOGY	2007	0974-2891
724	Tamil Nadu	INTERNATIONAL JOURNAL OF ENGINEERING SCIENCE AND TECHNOLOGY	2009	0975-5462
725	Tamil Nadu	INTERNATIONAL JOURNAL OF NETWORK SECURITY & ITS APPLICATIONS	2009	0975-8307
726	Tamil Nadu	INTERNATIONAL JOURNAL OF PHARMA SCIENCES AND RESEARCH	2010	0975-9492
727	Tamil Nadu	INTERNATIONAL JOURNAL OF PHARMACEUTICAL AND BIOLOGICAL RESEARCH	2010	0976-285X
728	Tamil Nadu	INTERNATIONAL JOURNAL OF PHARMACY AND BIOMEDICAL SCIENCES	2010	0976-5263
729	Tamil Nadu	INTERNATIONAL JOURNAL OF RESEARCH IN PHARMACEUTICAL SCIENCES	2010	0975-7538
730	Tamil Nadu	INTERNATIONAL JOURNAL ON COMPUTER SCIENCE AND ENGINEERING	2009	2229-5631
731	Tamil Nadu	JOURNAL OF ATOMS AND MOLECULES	2011	2277-1247
732	Tamil Nadu	JOURNAL OF BIOMEDICAL SCIENCES AND RESEARCH	2009	0975-542X
733	Tamil Nadu	JOURNAL OF BIOPESTICIDES	2008	0974-391X
734	Tamil Nadu	JOURNAL OF DIGITAL INFORMATION MANAGEMENT	2003	0972-7272
735	Tamil Nadu	JOURNAL OF ECOBIOLOGY	1989	0970-9037
736	Tamil Nadu	JOURNAL OF ECOTOXICOLOGY & ENVIRONMENTAL MONITORING	1991	0971-0965
737	Tamil Nadu	JOURNAL OF ENDOCRINOLOGY AND REPRODUCTION	1997	0971-913X
738	Tamil Nadu	JOURNAL OF ENERGY HEAT AND MASS TRANSFER	1979	0970-9991
739	Tamil Nadu	JOURNAL OF INDIAN PROSTHODONTIC SOCIETY (THE)	2001	0972-4052
740	Tamil Nadu	JOURNAL OF NON-DESTRUCTIVE TESTING & EVALUATION	2002	0973-9610
741	Tamil Nadu	JOURNAL OF PHARMACEUTICAL SCIENCE AND TECHNOLOGY	2009	0975-5772
742	Tamil Nadu	JOURNAL OF THREATENED TAXA	2009	0974-7893
743	Tamil Nadu	JOURNAL OF VIBRATION ENGINEERING AND TECHNOLOGIES	2014	2321-3558
744	Tamil Nadu	MADRAS AGRICULTURAL JOURNAL (THE)	1911	0024-9602

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745	Tamil Nadu	PLANT CELL BIOTECHNOLOGY AND MOLECULAR BIOLOGY	2000	0972-2025
746	Tamil Nadu	RESEARCH JOURNAL OF BIOLOGICAL SCIENCES	2008	0974-4177
747	Tamil Nadu	SEAWEED RESEARCH AND UTILISATION	1979	0971-7560
748	Tamil Nadu	SMART JOURNAL OF BUSINESS MANAGEMENT STUDIES	2005	0973-1598
749	Tamil Nadu	SOUTH INDIAN HORTICULTURE	1957	0038-3473
750	Tamil Nadu	W R I JOURNAL	1980	0970-4477
751	Uttar Pradesh	ACTA CIENCIA INDICA - CHEMISTRY SECTION	1979	0253-7338
752	Uttar Pradesh	ADVANCES IN BIORESEARCH	2010	0976-4585
753	Uttar Pradesh	ADVANCES IN PLANT SCIENCES	1988	0970-3586
754	Uttar Pradesh	ALIGARH JOURNAL OF STATISTICS (THE)	1982	0971-0388
755	Uttar Pradesh	AMITY JOURNAL OF BEHAVIOURAL AND FORENSIC SCIENCES	2005	0973-175X
756	Uttar Pradesh	ANNALS OF ENTOMOLOGY	1983	0970-3721
757	Uttar Pradesh	ANNALS OF NEUROSCIENCES	1994	0972-7531
758	Uttar Pradesh	ANNALS OF PLANT AND SOIL RESEARCH	1999	0972-1959
759	Uttar Pradesh	ASIAN JOURNAL OF ANIMAL SCIENCE (THE)	2006	0973-4791
760	Uttar Pradesh	ASIAN JOURNAL OF BIO SCIENCE	2006	0973-4899
761	Uttar Pradesh	ASIAN JOURNAL OF CHEMISTRY	1989	0970-7077
762	Uttar Pradesh	ASIAN JOURNAL OF ENVIRONMENTAL SCIENCE	2006	0973-4759
763	Uttar Pradesh	ASIAN JOURNAL OF EXPERIMENTAL BIOLOGICAL SCIENCES	2010	0975-5845
764	Uttar Pradesh	ASIAN JOURNAL OF EXPERIMENTAL CHEMISTRY (THE)	2006	0973-4783
765	Uttar Pradesh	ASIAN JOURNAL OF HORTICULTURE (THE)	2006	0973-4767
766	Uttar Pradesh	ASIAN JOURNAL OF PSYCHOLOGY & EDUCATION (THE)	1976	0971-2909
767	Uttar Pradesh	BIOCHEMICAL AND CELLULAR ARCHIVES	2001	0972-5075
768	Uttar Pradesh	BIONOTES	1999	0972-1800
769	Uttar Pradesh	BIOVED	1990	0971-0108
770	Uttar Pradesh	BULLETIN OF THE ALLAHABAD MATHEMATICAL SOCIETY	1986	0971-0493
771	Uttar Pradesh	CHEMICAL & ENVIRONMENTAL RESEARCH	1992	0971-2151
772	Uttar Pradesh	CURRENT BOTANY	2010	2220-4822
773	Uttar Pradesh	CURRENT NEMATOLOGY	1990	0971-0116
774	Uttar Pradesh	EASTERN ANTHROPOLOGIST (THE)	1947	0012-8686
775	Uttar Pradesh	FAR EAST JOURNAL OF MATHEMATICAL SCIENCES (FJMS)	1999	0972-0871
776	Uttar Pradesh	FLORA AND FAUNA	1995	0971-6920
777	Uttar Pradesh	GANITA	1950	0046-5402
778	Uttar Pradesh	GEOPHYTOLOGY	1971	0376-5561
779	Uttar Pradesh	INDIAN JOURNAL OF ECONOMICS (THE)	1916	0019-5170
780	Uttar Pradesh	INDIAN JOURNAL OF ENVIRONMENTAL PROTECTION	1981	0253-7141
781	Uttar Pradesh	INDIAN JOURNAL OF GEOCHEMISTRY	1983	0970-9089

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782	Uttar Pradesh	INDIAN JOURNAL OF HETEROCYCLIC CHEMISTRY	1991	0971-1627
783	Uttar Pradesh	INDIAN JOURNAL OF MATHEMATICS	1958	0019-5324
784	Uttar Pradesh	INDIAN JOURNAL OF PREVENTIVE AND SOCIAL MEDICINE	1969	0301-1216
785	Uttar Pradesh	INDIAN JOURNAL OF PSYCHOMETRY & EDUCATION	1970	0378-1003
786	Uttar Pradesh	INDIAN JOURNAL OF SCIENTIFIC RESEARCH	2010	0976-2876
787	Uttar Pradesh	INDIAN PSYCHOLOGICAL REVIEW	1964	0019-6215
788	Uttar Pradesh	INTERNATIONAL JOURNAL OF AGRICULTURAL ENGINEERING	2008	0974-2662
789	Uttar Pradesh	INTERNATIONAL JOURNAL OF AGRICULTURAL SCIENCES	2005	0973-130X
790	Uttar Pradesh	INTERNATIONAL JOURNAL OF APPLIED MATHEMATICS AND COMPUTATION	2009	0974-4665
791	Uttar Pradesh	INTERNATIONAL JOURNAL OF COW SCIENCE	2005	0973-2241
792	Uttar Pradesh	INTERNATIONAL JOURNAL OF PHARMACEUTICAL SCIENCES AND DRUG RESEARCH	2009	0975-248X
793	Uttar Pradesh	INTERNATIONAL JOURNAL OF PLANT SCIENCES	2006	0973-1547
794	Uttar Pradesh	JOURNAL INDIAN ACADEMY OF CLINICAL MEDICINE	2000	0972-3560
795	Uttar Pradesh	JOURNAL OF APHIDOLOGY	1987	0970-3810
796	Uttar Pradesh	JOURNAL OF APPLIED ANIMAL RESEARCH	1992	0971-2119
797	Uttar Pradesh	JOURNAL OF APPLIED BIOSCIENCE	1975	0379-8097
798	Uttar Pradesh	JOURNAL OF APPLIED HORTICULTURE	1999	0972-1045
799	Uttar Pradesh	JOURNAL OF EXPERIMENTAL ZOOLOGY INDIA	1998	0972-0030
800	Uttar Pradesh	JOURNAL OF LIBRARY AND INFORMATION TECHNOLOGY	2005	0975-6183
801	Uttar Pradesh	JOURNAL OF LIPID SCIENCE AND TECHNOLOGY	2006	0973-6379
802	Uttar Pradesh	JOURNAL OF MEDICINAL AND AROMATIC PLANT SCIENCES	1979	0253-7125
803	Uttar Pradesh	JOURNAL OF NATURE CONSERVATION	1989	0970-5945
804	Uttar Pradesh	JOURNAL OF PARASITIC DISEASES	1975	0971-7196
805	Uttar Pradesh	JOURNAL OF THE OIL TECHNOLOGIST' ASSOCIATION OF INDIA	1969	0030-1485
806	Uttar Pradesh	JOURNAL OF THE PALAEOONTOLOGICAL SOCIETY OF INDIA	1956	0552-9630
807	Uttar Pradesh	NATIONAL ACADEMY SCIENCE LETTERS	1978	0250-541X
808	Uttar Pradesh	NEW AGRICULTURIST	1989	0971-0647
809	Uttar Pradesh	PARADIGM	1997	0971-8907
810	Uttar Pradesh	PHYSIOLOGY AND MOLECULAR BIOLOGY OF PLANTS	1995	0971-5894
811	Uttar Pradesh	PHYTOMEDICA	1999	0972-3293
812	Uttar Pradesh	PLANT ARCHIVES	2001	0972-5210
813	Uttar Pradesh	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES, INDIA, SECTION A - PHYSICAL SCIENCES	1930	0369-8203
814	Uttar Pradesh	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES, INDIA, SECTION B - BIOLOGICAL SCIENCES	1930	0369-8211

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815	Uttar Pradesh	RANGE MANAGEMENT AND AGROFORESTRY	1980	0971-2070
816	Uttar Pradesh	TROPICAL ECOLOGY	1960	0564-3295
817	Uttar Pradesh	TROPICAL GASTROENTEROLOGY	1983	0250-636X
818	Uttar Pradesh	UTTAR PRADESH JOURNAL OF ZOOLOGY	1981	0256-971X
819	Uttarakhand	ANNALS OF FORESTRY	1993	0971-4022
820	Uttarakhand	ASIAN JOURNAL OF SPECTROSCOPY	1997	0971-9237
821	Uttarakhand	ENVIRONMENT CONSERVATION JOURNAL	2000	0972-3099
822	Uttarakhand	ENVIS BULLETIN - HIMALAYAN ECOLOGY	1993	0971-7447
823	Uttarakhand	HIMALAYAN GEOLOGY	1971	0971-8966
824	Uttarakhand	HIMALAYAN JOURNAL OF ENVIRONMENT AND ZOOLOGY	1986	0970-2903
825	Uttarakhand	INDIAN FORESTER (THE)	1875	0019-4816
826	Uttarakhand	INDIAN JOURNAL OF FORESTRY	1978	0971-9431
827	Uttarakhand	INDIAN JOURNAL OF PETROLEUM GEOLOGY	1992	0871-2542
828	Uttarakhand	INTERNATIONAL JOURNAL OF BASIC AND APPLIED AGRICULTURAL RESEARCH	2014	0972-8813
829	Uttarakhand	ISET JOURNAL OF EARTHQUAKE TECHNOLOGY	1964	0972-0405
830	Uttarakhand	JOURNAL OF ENVIRONMENT AND BIOSCIENCES	2008	0973-6913
831	Uttarakhand	JOURNAL OF ESSENTIAL OIL BEARING PLANTS	1998	0972-060X
832	Uttarakhand	JOURNAL OF THE INDIAN SOCIETY OF REMOTE SENSING	1973	0255-660X
833	Uttarakhand	JOURNAL OF THE TIMBER DEVELOPMENT ASSOCIATION OF INDIA	1955	0377-936X
834	Uttarakhand	JOURNAL OF WIND AND ENGINEERING	2004	0973-0613
835	Uttarakhand	PANTNAGAR JOURNAL OF RESEARCH	2003	0972-8813
836	Uttarakhand	PHARMACIE GLOBALE: INTERNATIONAL JOURNAL OF COMPREHENSIVE PHARMACY	2010	0976-8157
837	West Bengal	AGEING & SOCIETY:THE INDIAN JOURNAL OF GERONTOLOGY	1990	0971-8060
838	West Bengal	BULLETIN OF CALCUTTA MATHEMATICAL SOCIETY	1909	0008-0659
839	West Bengal	BULLETIN OF NATIONAL INSTITUTE OF HOMOEOPATHY	1998	0972-6276
840	West Bengal	CALCUTTA MEDICAL JOURNAL (CMJ)	1906	0008-0667
841	West Bengal	CALCUTTA STATISTICAL ASSOCIATION BULLETIN	1945	0008-0683
842	West Bengal	DECISION	1974	0304-0941
843	West Bengal	DRUG INVENTION TODAY	2009	0975-7619
844	West Bengal	ENVIRONMENT AND ECOLOGY	1983	0970-0420
845	West Bengal	GEOGRAPHICAL REVIEW OF INDIA	1939	0375-6386
846	West Bengal	IAPQR TRANSACTIONS	1976	0970-0102
847	West Bengal	IIOAB JOURNAL (THE)	2010	0976-3104
848	West Bengal	INDIAN AGRICULTURIST	1957	0019-4336
849	West Bengal	INDIAN BIOLOGIST	1969	0302-7554
850	West Bengal	INDIAN CHEMICAL ENGINEER	1959	0019-4506

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851	West Bengal	INDIAN FOUNDRY JOURNAL	1955	0379-5446
852	West Bengal	INDIAN HEART JOURNAL	1949	0019-2610
853	West Bengal	INDIAN JOURNAL OF AEROBIOLOGY	1988	0971-1546
854	West Bengal	INDIAN JOURNAL OF ANIMAL HEALTH	1975	0019-5057
855	West Bengal	INDIAN JOURNAL OF GEOSCIENCES	2009	2229-3574
856	West Bengal	INDIAN JOURNAL OF LANDSCAPE SYSTEMS AND ECOLOGICAL STUDIES (THE)	1978	0971-4170
857	West Bengal	INDIAN JOURNAL OF PHYSICAL MEDICINE AND REHABILITATION	1986	0973-2209
858	West Bengal	INDIAN JOURNAL OF POWER AND RIVER VALLEY DEVELOPMENT	1968	0019-5537
859	West Bengal	INDIAN JOURNAL OF REGIONAL SCIENCE	1968	0046-9017
860	West Bengal	INDIAN JOURNAL OF THEORETICAL PHYSICS	1953	0019-5693
861	West Bengal	INDIAN MEDICAL GAZETTE FOR THE DEVELOPMENT OF MEDICINE & SURGERY	1866	0019-5863
862	West Bengal	INDIAN MEDICAL JOURNAL	1907	0091-5871
863	West Bengal	INDIAN MINERALS	1947	0019-5936
864	West Bengal	INDIAN SCIENCE CRUISER	1987	0970-4256
865	West Bengal	INDIAN WELDING JOURNAL	1967	0046-9092
866	West Bengal	INTERNATIONAL JOURNAL OF INFORMATION AND COMPUTING SCIENCE	1998	0972-1347
867	West Bengal	JOURNAL OF ENVIRONMENT & SOCIOBIOLOGY	2004	0973-0834
868	West Bengal	JOURNAL OF INTERACADEMICA	1997	0971-9016
869	West Bengal	JOURNAL OF MINES METALS & FUELS	1959	0022-2755
870	West Bengal	JOURNAL OF MYCOPATHOLOGICAL RESEARCH	1963	0971-3719
871	West Bengal	JOURNAL OF OPTICS	1972	0972-8821
872	West Bengal	JOURNAL OF PHARMACY RESEARCH	2008	0974-6943
873	West Bengal	JOURNAL OF THE INDIAN ANTHROPOLOGICAL SOCIETY	1966	0019-4387
874	West Bengal	JOURNAL OF THE INDIAN CHEMICAL SOCIETY	1924	0019-4522
875	West Bengal	JOURNAL OF THE INLAND FISHERIES SOCIETY OF INDIA	1969	0379-3435
876	West Bengal	JOURNAL OF THE INSTITUTION OF CHEMISTS (INDIA)	1929	0020-3254
877	West Bengal	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA) PART CP: COMPUTER ENGINEERING DIVISION BOARD	1985	0971-0469
878	West Bengal	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA) PART MR: MARINE ENGINEERING DIVISION BOARD	1985	0971-0450
879	West Bengal	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA) PART PR: PRODUCTION ENGINEERING DIVISION	1985	0257-6708
880	West Bengal	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): AEROSPACE ENGINEERING DIVISION BOARD	1984	0257-3423
881	West Bengal	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): AGRICULTURAL ENGINEERING DIVISION BOARD	1982	0257-3431

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882	West Bengal	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): ARCHITECTURAL ENGINEERING DIVISION BOARD	1984	0257-344X
883	West Bengal	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): CHEMICAL ENGINEERING DIVISION BOARD	1961	0020-3351
884	West Bengal	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): CIVIL ENGINEERING DIVISION BOARD	1920	0020-336X
885	West Bengal	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): ELECTRICAL ENGINEERING DIVISION BOARD	1920	0020-3386
886	West Bengal	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): INTERDISCIPLINARY CO-ORDINATION COMMITTEE	1985	0970-9843
887	West Bengal	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): MECHANICAL ENGINEERING DIVISION BOARD	1919	0020-3408
888	West Bengal	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): METALLURGICAL AND MATERIALS ENGINEERING DIVISION BOARD	1920	0257-4411
889	West Bengal	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): MINING ENGINEERING DIVISION BOARD	1984	0257-442X
890	West Bengal	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): SERIES A - CIVIL, ARCHITECTURAL, ENVIRONMENTAL AND AGRICULTURAL ENGINEERING	2012	2250-2149
891	West Bengal	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): SERIES B - ELECTRICAL, ELECTRONICS AND TELECOMMUNICATION AND COMPUTER ENGINEERING	2012	2250-2106
892	West Bengal	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): SERIES C - MECHANICAL, PRODUCTION, AEROSPACE AND MARINE ENGINEERING	2012	2250-0545
893	West Bengal	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): SERIES D - METALLURGICAL AND MATERIALS AND MINING ENGINEERING	2012	2250-2122
894	West Bengal	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): SERIES E - CHEMICAL AND TEXTILE ENGINEERING	2012	2250-2483
895	West Bengal	OPSEARCH	1964	0030-3887

Source: ICI, 2004 – 2014

Table 4.2 (ii) Summary : State wise number of journals produced

S.N.	State Name	No. of Publications/ Journals	S.N.	State Name	No. of Publications/ Journals
1	Andhra Pradesh	25	13	Madhya Pradesh	20
2	Assam	2	14	Maharashtra	148
3	Bihar	3	15	Meghalaya	1

S.N.	State Name	No. of Publications/ Journals	S.N.	State Name	No. of Publications/ Journals
4	Chandigarh (UT)	7	16	Orissa	5
5	Delhi	369	17	Puducherry (UT)	1
6	Gujarat	15	18	Punjab	7
7	Haryana	12	19	Rajasthan	21
8	Himachal Pradesh	2	20	Sikkim	1
9	Jammu and Kashmir	2	21	Tamil Nadu	47
10	Jharkhand	1	22	Uttar Pradesh	68
11	Karnataka	37	23	Uttarakhand	18
12	Kerala	24	24	West Bengal	59

Source: ICI, 2004 – 2014

Table 4.2 (iii) Ranking of States w.r.t. number of journals produced

Rank No.	State Name	No. of Publications /Journals	%	Cumulative
1	Delhi	369	41.229	*
2	Maharashtra	148	16.536	57.765
3	Uttar Pradesh	68	7.598	65.363
4	West Bengal	59	6.592	71.955
5	Tamil Nadu	47	5.251	77.207
6	Karnataka	37	4.134	81.341
7	Andhra Pradesh	25	2.793	84.134
8	Kerala	24	2.682	86.816
9	Rajasthan	21	2.346	89.162
10	Madhya Pradesh	20	2.235	91.397
11	Uttarakhand	18	2.011	93.408
12	Gujarat	15	1.676	95.084
13	Haryana	12	1.341	96.425
14	Chandigarh (UT)	7	0.782	97.207
14	Punjab	7	0.782	97.989
15	Orissa	5	0.559	98.547
16	Bihar	3	0.335	98.883
17	Assam	2	0.223	99.106
17	Himachal Pradesh	2	0.223	99.330
17	Jammu and Kashmir	2	0.223	99.553
18	Jharkhand	1	0.112	99.665

Rank No.	State Name	No. of Publications /Journals	%	Cumulative
18	Meghalaya	1	0.112	99.777
18	Puducherry (UT)	1	0.112	99.888
18	Sikkim	1	0.112	100.000
Total No. of Journals		895	100	100

Source: ICI, 2004 – 2014

Table 4.2 (iv) States not produced any journal

S.N.	State	S.N	State
1	Andaman and Nicobar Islands	7	Lakshadweep
2	Arunachal Pradesh	8	Manipur
3	Chhattisgarh	9	Mizoram
4	Dadra and Nagar Haveli	10	Nagaland
5	Daman and Diu	11	Tripura
6	Goa		

Source: ICI, 2004 – 2014

Table 4.3. (i) City wise number of journals produced

S. No.	City Name	State Name	No. of Publication
1	Bapatla	Andhra Pradesh	1
2	Hyderabad	Andhra Pradesh	16
3	Nalgonda	Andhra Pradesh	1
4	Nuzvid	Andhra Pradesh	1
5	Rajahmundry	Andhra Pradesh	1
6	Secunderabad	Andhra Pradesh	1
7	Visakhapatnam	Andhra Pradesh	3
8	Vizianagaram	Andhra Pradesh	1
9	Barpeta	Assam	1
10	Guwahati	Assam	1
11	Siwan	Bihar	1
12	Patna	Bihar	1
13	Gaya	Bihar	1
14	Chandigarh	Chandigarh (UT)	7
15	Delhi	Delhi	42
16	New Delhi	Delhi	327

S. No.	City Name	State Name	No. of Publication
17	Ahmedabad	Gujrart	4
18	Anand	Gujrart	2
19	Banaskantha	Gujrart	1
20	Jamnagar	Gujrart	2
21	Rajkot	Gujrart	3
22	Surat	Gujrart	3
23	Ambala	Haryana	2
24	Gurgaon	Haryana	1
25	Hisar	Haryana	5
26	Jagadhri	Haryana	2
27	Rohtak	Haryana	2
28	Mandi	Himachal Pradesh	1
29	Solan	Himachal Pradesh	1
30	Jammu	Jammu and Kashmir	1
31	Srinagar	Jammu and Kashmir	1
32	Dumka	Jharkhand	1
33	Belgaum	Karnataka	1
34	Bengaluru	Karnataka	25
35	Bijapur	Karnataka	1
36	Dharwad	Karnataka	1
37	Mangalore	Karnataka	1
38	Manipal	Karnataka	2
39	Mysore	Karnataka	4
40	Tumkur	Karnataka	1
41	Chikmagalur	Karnataka	1
42	Adoor	Kerala	1
43	Kochi	Kerala	4
44	Kollam	Kerala	1
45	Kozhikode	Kerala	3
46	Malappuram	Kerala	1
47	Thiruvananthapuram	Kerala	8
48	Thodupuzha	Kerala	1
49	Thrissur	Kerala	3
50	Kottayam	Kerala	2
51	Bhopal	Madhya Pradesh	10
52	Indore	Madhya Pradesh	3

S. No.	City Name	State Name	No. of Publication
53	Jabalpur	Madhya Pradesh	3
54	Sagar	Madhya Pradesh	2
55	Satna	Madhya Pradesh	1
56	Indore	Madhya Pradesh	1
57	Jalgaon	Maharashtra	2
58	Karad	Maharashtra	1
59	Kolhapur	Maharashtra	1
60	Loni	Maharashtra	1
61	Mandesar	Maharashtra	1
62	Mumbai	Maharashtra	112
63	Nagpur	Maharashtra	6
64	Nandurbar	Maharashtra	1
65	Nashik	Maharashtra	2
66	Navi Mumbai	Maharashtra	2
67	Osmanabad	Maharashtra	1
68	Pune	Maharashtra	13
69	Thane	Maharashtra	1
70	Tuljapur	Maharashtra	1
71	Wardha	Maharashtra	1
72	Akola	Maharashtra	1
73	Pune	Maharashtra	1
74	Shillong	Meghalaya	1
75	Bhubaneswar	Orissa	2
76	Cuttack	Orissa	2
77	Puri	Orissa	1
78	Pondicherry	Puducherry (UT)	1
79	Faridkot	Punjab	1
80	Hoshiarpur	Punjab	1
81	Ludhiana	Punjab	4
82	Patiala	Punjab	1
83	Bharatpur	Rajasthan	1
84	Jaipur	Rajasthan	8
85	Jodhpur	Rajasthan	4
86	Udaipur	Rajasthan	8
87	Upper Tadong	Sikkim	1
88	Adirampattinam	Tamil Nadu	1

S. No.	City Name	State Name	No. of Publication
89	Chennai	Tamil Nadu	25
90	Coimbatore	Tamil Nadu	4
91	Cuddalore	Tamil Nadu	1
92	Madurai	Tamil Nadu	1
93	Palani	Tamil Nadu	2
94	Palayamkottai	Tamil Nadu	3
95	Pudukkottai	Tamil Nadu	1
96	Salem	Tamil Nadu	1
97	Taramani	Tamil Nadu	1
98	Thoothukudi	Tamil Nadu	1
99	Tiruchirappalli	Tamil Nadu	2
100	Tirunelveli	Tamil Nadu	2
101	Vellore	Tamil Nadu	2
102	Agra	Uttar Pradesh	9
103	Aligarh	Uttar Pradesh	3
104	Allahabad	Uttar Pradesh	10
105	Etawah	Uttar Pradesh	1
106	Ghaziabad	Uttar Pradesh	1
107	Gorakhpur	Uttar Pradesh	1
108	Izzatnagar	Uttar Pradesh	2
109	Jhansi	Uttar Pradesh	2
110	Kanpur	Uttar Pradesh	3
111	Lucknow	Uttar Pradesh	11
112	Mathura	Uttar Pradesh	1
113	Meerut	Uttar Pradesh	1
114	Muzaffarnagar	Uttar Pradesh	13
115	Noida	Uttar Pradesh	3
116	Saharanpur	Uttar Pradesh	1
117	Sahibabad	Uttar Pradesh	1
118	Varanasi	Uttar Pradesh	5
119	Almora	Uttarakhand	1
120	Dehradun	Uttarakhand	7
121	Haridwar	Uttarakhand	3
122	Pantnagar	Uttarakhand	2
123	Roorkee	Uttarakhand	3
124	Dehradun	Uttarakhand	2

S. No.	City Name	State Name	No. of Publication
125	Kolkata	West Bengal	57
126	Nadia	West Bengal	1
127	Purba Medinipur	West Bengal	1

Source: ICI, 2004 – 2014

Table 4.3. (ii) Ranking w.r.t city wise journals produced

Ranking	City Name	State Name	No. of Publication	%	Cumulative %
1	New Delhi	Delhi	327	36.536	*
2	Mumbai	Maharashtra	112	12.514	49.05
3	Kolkata	West Bengal	57	6.369	55.419
4	Delhi	Delhi	42	4.693	60.112
5	Bengaluru	Karnataka	25	2.793	62.905
5	Chennai	Tamil Nadu	25	2.793	65.698
6	Hyderabad	Andhra Pradesh	16	1.788	67.486
7	Pune	Maharashtra	13	1.453	68.939
7	Muzaffarnagar	Uttar Pradesh	13	1.453	70.391
8	Lucknow	Uttar Pradesh	11	1.229	71.62
9	Bhopal	Madhya Pradesh	10	1.117	72.737
9	Allahabad	Uttar Pradesh	10	1.117	73.855
10	Agra	Uttar Pradesh	9	1.006	74.86
11	Thiruvananthapuram	Kerala	8	0.894	75.754
11	Jaipur	Rajasthan	8	0.894	76.648
11	Udaipur	Rajasthan	8	0.894	77.542
12	Chandigarh	Chandigarh (UT)	7	0.782	78.324
12	Dehradun	Uttarakhand	7	0.782	79.106
13	Nagpur	Maharashtra	6	0.67	79.777
14	Hisar	Haryana	5	0.559	80.335
14	Varanasi	Uttar Pradesh	5	0.559	80.894
15	Ahmedabad	Gujrart	4	0.447	81.341
15	Mysore	Karnataka	4	0.447	81.788
15	Kochi	Kerala	4	0.447	82.235
15	Ludhiana	Punjab	4	0.447	82.682
15	Jodhpur	Rajasthan	4	0.447	83.128
15	Coimbatore	Tamil Nadu	4	0.447	83.575

Ranking	City Name	State Name	No. of Publication	%	Cumulative %
16	Visakhapatnam	Andhra Pradesh	3	0.335	83.911
16	Rajkot	Gujrart	3	0.335	84.246
16	Surat	Gujrart	3	0.335	84.581
16	Kozhikode	Kerala	3	0.335	84.916
16	Thrissur	Kerala	3	0.335	85.251
16	Indore	Madhya Pradesh	3	0.335	85.587
16	Jabalpur	Madhya Pradesh	3	0.335	85.922
16	Palayamkottai	Tamil Nadu	3	0.335	86.257
16	Aligarh	Uttar Pradesh	3	0.335	86.592
16	Kanpur	Uttar Pradesh	3	0.335	86.927
16	Noida	Uttar Pradesh	3	0.335	87.263
16	Haridwar	Uttarakhand	3	0.335	87.598
16	Roorkee	Uttarakhand	3	0.335	87.933
17	Anand	Gujrart	2	0.223	88.156
17	Jamnagar	Gujrart	2	0.223	88.38
17	Ambala	Haryana	2	0.223	88.603
17	Jagadhri	Haryana	2	0.223	88.827
17	Rohtak	Haryana	2	0.223	89.05
17	Manipal	Karnataka	2	0.223	89.274
17	Kottayam	Kerala	2	0.223	89.497
17	Sagar	Madhya Pradesh	2	0.223	89.721
17	Jalgaon	Maharashtra	2	0.223	89.944
17	Nashik	Maharashtra	2	0.223	90.168
17	Navi Mumbai	Maharashtra	2	0.223	90.391
17	Bhubaneswar	Orissa	2	0.223	90.615
17	Cuttack	Orissa	2	0.223	90.838
17	Palani	Tamil Nadu	2	0.223	91.061
17	Tiruchirappalli	Tamil Nadu	2	0.223	91.285
17	Tirunelveli	Tamil Nadu	2	0.223	91.508
17	Vellore	Tamil Nadu	2	0.223	91.732
17	Izzatnagar	Uttar Pradesh	2	0.223	91.955
17	Jhansi	Uttar Pradesh	2	0.223	92.179
17	Pantnagar	Uttarakhand	2	0.223	92.402
17	Dehradun	Uttarakhand	2	0.223	92.626
18	Bapatla	Andhra Pradesh	1	0.112	92.737
18	Nalgonda	Andhra Pradesh	1	0.112	92.849

Ranking	City Name	State Name	No. of Publication	%	Cumulative %
18	Nuzvid	Andhra Pradesh	1	0.112	92.961
18	Rajahmundry	Andhra Pradesh	1	0.112	93.073
18	Secunderabad	Andhra Pradesh	1	0.112	93.184
18	Vizianagaram	Andhra Pradesh	1	0.112	93.296
18	Barpeta	Assam	1	0.112	93.408
18	Guwahati	Assam	1	0.112	93.52
18	Siwan	Bihar	1	0.112	93.631
18	Patna	Bihar	1	0.112	93.743
18	Gaya	Bihar	1	0.112	93.855
18	Banaskantha	Gujrart	1	0.112	93.966
18	Gurgaon	Haryana	1	0.112	94.078
18	Mandi	Himachal Pradesh	1	0.112	94.19
18	Solan	Himachal Pradesh	1	0.112	94.302
18	Jammu	Jammu and Kashmir	1	0.112	94.413
18	Srinagar	Jammu and Kashmir	1	0.112	94.525
18	Dumka	Jharkhand	1	0.112	94.637
18	Belgaum	Karnataka	1	0.112	94.749
18	Bijapur	Karnataka	1	0.112	94.86
18	Dharwad	Karnataka	1	0.112	94.972
18	Mangalore	Karnataka	1	0.112	95.084
18	Tumkur	Karnataka	1	0.112	95.196
18	Chikmagalur	Karnataka	1	0.112	95.307
18	Adoor	Kerala	1	0.112	95.419
18	Kollam	Kerala	1	0.112	95.531
18	Malappuram	Kerala	1	0.112	95.642
18	Thodupuzha	Kerala	1	0.112	95.754
18	Satna	Madhya Pradesh	1	0.112	95.866
18	Indore	Madhya Pradesh	1	0.112	95.978
18	Karad	Maharashtra	1	0.112	96.089
18	Kolhapur	Maharashtra	1	0.112	96.201
18	Loni	Maharashtra	1	0.112	96.313
18	Mandesar	Maharashtra	1	0.112	96.425
18	Nandurbar	Maharashtra	1	0.112	96.536

Ranking	City Name	State Name	No. of Publication	%	Cumulative %
18	Osmanabad	Maharashtra	1	0.112	96.648
18	Thane	Maharashtra	1	0.112	96.76
18	Tuljapur	Maharashtra	1	0.112	96.872
18	Wardha	Maharashtra	1	0.112	96.983
18	Akola	Maharashtra	1	0.112	97.095
18	Pune	Maharashtra	1	0.112	97.207
18	Shillong	Meghalaya	1	0.112	97.318
18	Puri	Orissa	1	0.112	97.43
18	Pondicherry	Puducherry (UT)	1	0.112	97.542
18	Faridkot	Punjab	1	0.112	97.654
18	Hoshiarpur	Punjab	1	0.112	97.765
18	Patiala	Punjab	1	0.112	97.877
18	Bharatpur	Rajasthan	1	0.112	97.989
18	Upper Tadong	Sikkim	1	0.112	98.101
18	Adirampattinam	Tamil Nadu	1	0.112	98.212
18	Cuddalore	Tamil Nadu	1	0.112	98.324
18	Madurai	Tamil Nadu	1	0.112	98.436
18	Pudukkottai	Tamil Nadu	1	0.112	98.547
18	Salem	Tamil Nadu	1	0.112	98.659
18	Taramani	Tamil Nadu	1	0.112	98.771
18	Thoothukudi	Tamil Nadu	1	0.112	98.883
18	Etawah	Uttar Pradesh	1	0.112	98.994
18	Ghaziabad	Uttar Pradesh	1	0.112	99.106
18	Gorakhpur	Uttar Pradesh	1	0.112	99.218
18	Mathura	Uttar Pradesh	1	0.112	99.33
18	Meerut	Uttar Pradesh	1	0.112	99.441
18	Saharanpur	Uttar Pradesh	1	0.112	99.553
18	Sahibabad	Uttar Pradesh	1	0.112	99.665
18	Almora	Uttarakhand	1	0.112	99.777
18	Nadia	West Bengal	1	0.112	99.888
18	Purba Medinipur	West Bengal	1	0.112	100
Total	127	24	895	100	100

Source: ICI, 2004 – 2014

Table 4.4. List of Indian Journals acquired and published by foreign publisher

S.No.	Publisher	Publication Name	ISSN	Frequency
1	Sage	Agrarian South: Journal of Political Economy	2277-9760	Triannual
2	Sage	Asia Pacific Media Educator	1326-365X	Half Yearly
3	Sage	Asia-Pacific Journal of Management Research and Innovation	2319-510X	Quarterly
4	Sage	Asian Journal of Legal Education	2322-0058	Half Yearly
5	Sage	Asian Journal of Management Cases	0972-8201	Half Yearly
6	Sage	BioScope: South Asian Screen Studies	0974-9276	Half Yearly
7	Sage	Business Perspectives and Research	2278-5337	Half Yearly
8	Sage	China Report	0009-4455	Quarterly
9	Sage	Contemporary Education Dialogue	0973-1849	Half Yearly
10	Sage	Contemporary Review of the Middle East	2347-7989	Quarterly
11	Sage	Contributions to Indian Sociology	0069-9667	Triannual
12	Sage	Emerging Economy Studies	2394-9015	Half Yearly
13	Sage	Environment and Urbanization ASIA	0975-4253	Half Yearly
14	Sage	Foreign Trade Review	0015-7325	Quarterly
15	Sage	Gender, Technology and Development	0971-8524	Triannual
16	Sage	Global Business Review	0972-1509	Bimonthly
17	Sage	Global Journal of Emerging Market Economies	0974-9101	Triannual
18	Sage	Higher Education for the Future	2347-6311	Half Yearly
19	Sage	History and Sociology of South Asia	2230-8075	Half Yearly
20	Sage	IIM Kozhikode Society & Management Review	2277-9752	Half Yearly
21	Sage	India Quarterly	9974-9284	Quarterly
22	Sage	Indian Historical Review	0376-9836	Half Yearly
23	Sage	Indian Journal of Corporate Governance	0974-6862	Half Yearly
24	Sage	Indian Journal of Gender Studies	0971-5215	Triannual
25	Sage	Insight on Africa	0975-0878	Half Yearly
26	Sage	International Journal of Rural Management	0973-0052	Half Yearly
27	Sage	International Studies	0020-8817	Quarterly
28	Sage	Jadavpur Journal of International Relations	0973-5984	Half Yearly
29	Sage	Jindal Journal of Business Research	2278-6821	Half Yearly

S.No.	Publisher	Publication Name	ISSN	Frequency
30	Sage	Journal of Asian Security and International Affairs	2347-7970	Triannual
31	Sage	Journal of Creating Value	2394-9643	Half Yearly
32	Sage	Journal of Creative Communications	0973-2586	Triannual
33	Sage	Journal of Developing Societies	0169-796X	Quarterly
34	Sage	Journal of Development Policy and Practice	0000-0003	
35	Sage	Journal of Education for Sustainable Development	0973-4082	Half Yearly
36	Sage	Journal of Emerging Market Finance	9726-527	Triannual
37	Sage	Journal of Entrepreneurship and Innovation in Emerging Economies	2393-9575	Half Yearly
38	Sage	Journal of Health Management	0972-0634	Quarterly
39	Sage	Journal of Human Values	0971-6858	Half Yearly
40	Sage	Journal of Infrastructure Development	0974-9306	Half Yearly
41	Sage	Journal of Interdisciplinary Economics	0260-1079	Half Yearly
42	Sage	Journal of Land and Rural Studies	2321-0249	Half Yearly
43	Sage	Journal of South Asian Development	0973-1741	Triannual
44	Sage	Management and Labour Studies	0258-042X	Quarterly
45	Sage	Margin: The Journal of Applied Economic Research	0973-8010	Quarterly
46	Sage	Millennial Asia	0976-3996	Half Yearly
47	Sage	Paradigm	0971-8907	Half Yearly
48	Sage	Progress in Development Studies	1464-9934	Quarterly
49	Sage	Psychology and Developing Societies	0971-3336	Half Yearly
50	Sage	Review of Market Integration	0974-9292	Triannual
51	Sage	Science, Technology and Society	0971-7218	Triannual
52	Sage	Social Change	0049-0857	Quarterly
53	Sage	Society and Culture in South Asia	2393-8617	Half Yearly
54	Sage	South Asia Economic Journal	1391-5614	Half Yearly
55	Sage	South Asia Research	0262-7280	Triannual
56	Sage	South Asian Journal of Business and Management Cases	2277-9779	Half Yearly
57	Sage	South Asian Journal of Human Resources Management	2322-0937	Half Yearly
58	Sage	South Asian Journal of Macroeconomics and Public Finance	2277-9787	Half Yearly
59	Sage	South Asian Survey	0971-5231	Half Yearly

S.No.	Publisher	Publication Name	ISSN	Frequency
60	Sage	Statistical Modelling	1471-082X	Bimonthly
61	Sage	Studies in History	0257-6430	Half Yearly
62	Sage	Studies in Indian Politics	2321-0230	Half Yearly
63	Sage	Studies in Microeconomics	2321-0222	Half Yearly
64	Sage	Studies in People's History	2348-4489	Half Yearly
65	Sage	The Indian Economic & Social History Review	0019-4646	Quarterly
66	Sage	The Journal of Entrepreneurship	0971-3557	Half Yearly
67	Sage	The Medieval History Journal	0971-9458	Half Yearly
68	Sage	Vikalpa	0256-0909	Quarterly
69	Sage	Vision	0972-2629	Quarterly
70	Sage	Young	1103-3088	Quarterly
71	Springer	Agricultural Research	2249-720X	Quarterly
72	Springer	CSI Transactions on ICT	2277-9078	
73	Springer	DECISION	0304-0941	Quarterly
74	Springer	Differential Equations and Dynamical Systems	0971-3514	Quarterly
75	Springer	Global Journal of Flexible Systems Management	0972-2696	Quarterly
76	Springer	Indian Geotechnical Journal	0971-9555	Quarterly
77	Springer	Indian Journal of Clinical Biochemistry	0970-1915	Quarterly
78	Springer	Indian Journal of Gastroenterology	0254-8860	
79	Springer	Indian Journal of Gynecologic Oncology	2363-8397	Annual
80	Springer	Indian Journal of Hematology and Blood Transfusion	0971-4502	Quarterly
81	Springer	Indian Journal of International Law	0019-5294	Quarterly
82	Springer	Indian Journal of Labour Economics	0971-7927	Quarterly
83	Springer	Indian Journal of Microbiology	0046-8991	Quarterly
84	Springer	Indian Journal of Otolaryngology and Head & Neck Surgery	2231-3796	Quarterly
85	Springer	Indian Journal of Physics	0973-1458	Monthly
86	Springer	Indian Journal of Plant Physiology	0019-5502	Quarterly
87	Springer	Indian Journal of Surgery	0972-2068	Bimonthly
88	Springer	Indian Journal of Surgical Oncology	0975-7651	Quarterly
89	Springer	Indian Journal of Thoracic and Cardiovascular Surgery	0970-9134	Quarterly

S.No.	Publisher	Publication Name	ISSN	Frequency
90	Springer	International Journal of Advances in Engineering Sciences and Applied Mathematics	0975-0770	Triannual
91	Springer	International Journal of Applied and Computational Mathematics	2349-5103	Quarterly
92	Springer	International Journal of Diabetes in Developing Countries	0973-3930	Quarterly
93	Springer	International Journal of Plastics Technology	0972-656X	Triannual
94	Springer	Jindal Global Law Review	0975-2498	Half Yearly
95	Springer	Journal of Fetal Medicine	2348-1153	Quarterly
96	Springer	Journal of Food Science and Technology	0022-1155	
97	Springer	Journal of Hand and Microsurgery	0974-3227	Half Yearly
98	Springer	Journal of the Indian Academy of Wood Science	0972-172X	
99	Springer	Journal of Indian Council of Philosophical Research	0970-7794	Half Yearly
100	Springer	The Journal of Indian Prosthodontic Society	0972-4052	Quarterly
101	Springer	Journal of the Indian Society for Probability and Statistics	2364-9569	Half Yearly
102	Springer	Journal of The Institution of Engineers (India): Series D	2250-2122	Half Yearly
103	Springer	Journal of The Institution of Engineers (India): Series E	2250-2483	Half Yearly
104	Springer	Journal of The Institution of Engineers (India): Series A	2250-2149	Quarterly
105	Springer	Journal of The Institution of Engineers (India): Series B	2250-2106	Quarterly
106	Springer	Journal of The Institution of Engineers (India): Series C	2250-0545	Quarterly
107	Springer	Journal of Maxillofacial and Oral Surgery	0972-8279	Quarterly
108	Springer	Journal of Optics	0972-8821	Quarterly
109	Springer	Journal of Parasitic Diseases	0971-7196	Quarterly
110	Springer	Journal of Plant Biochemistry and Biotechnology	0971-7811	Quarterly
111	Springer	Journal of Psychosocial Rehabilitation and Mental Health	2198-963X	Half Yearly
112	Springer	Journal of Quantitative Economics	0971-1554	Half Yearly

S.No.	Publisher	Publication Name	ISSN	Frequency
113	Springer	Journal of Social and Economic Development	0972-5792	Half Yearly
114	Springer	MAPAN	0970-3950	Quarterly
115	Springer	National Academy Science Letters	0250-541X	Bimonthly
116	Springer	The Nucleus	0029-568X	Triannual
117	Springer	OPSEARCH	0030-3887	Quarterly
118	Springer	Physiology and Molecular Biology of Plants	0971-5894	Quarterly
119	Springer	Pramana	0304-4289	Bimonthly
120	Springer	Proceedings of the National Academy of Sciences, India Section A: Physical Sciences	0369-8203	Quarterly
121	Springer	Proceedings of the National Academy of Sciences, India Section B: Biological Sciences	0369-8211	Quarterly
122	Springer	Proceedings of the Zoological Society	0373-5893	Half Yearly
123	Springer	Psychological Studies	0033-2968	Quarterly
124	Springer	Sugar Tech	0972-1525	Quarterly
125	Springer	Technology Operation Management	2249-2364	Half Yearly
126	Springer	VirusDisease	2347-3584	Triannual
127	Wolters Kluwer	Indian Journal of Pharmacology	1998-3751	Bimonthly
128	Wolters Kluwer	Journal of Postgraduate Medicine	0022-3859	Quarterly
129	Wolters Kluwer	Indian Journal of Pharmaceutical Sciences	0250-474X	Bimonthly
130	Wolters Kluwer	Indian Journal of Ophthalmology	0301-4738	Bimonthly
131	Wolters Kluwer	Neurology India	0028-3886	Bimonthly
132	Wolters Kluwer	Indian Journal of Medical Microbiology	1998-3646	Quarterly
133	Wolters Kluwer	Indian Journal of Medical Sciences	0378-6323	Monthly
134	Wolters Kluwer	Noise and Health	1463-1741	Bimonthly
135	Wolters Kluwer	Annals of Saudi Medicine	0256-4947	Bimonthly
136	Wolters Kluwer	Indian Journal of Dermatology, Venereology and Leprology. India.	0378-6323	Bimonthly

S.No.	Publisher	Publication Name	ISSN	Frequency
137	Wolters Kluwer	Journal of Carcinogenesis	1477-3163	9
138	Wolters Kluwer	Indian Journal of Cancer	0019-509X	Quarterly
139	Wolters Kluwer	Indian Journal of Dental Research	0970-9290	Bimonthly
140	Wolters Kluwer	Indian Journal of Pathology and Microbiology	0974-5130	Quarterly
141	Wolters Kluwer	Journal of Cancer Research and Therapeutics	0974-1127	Quarterly
142	Wolters Kluwer	CytoJournal	1742-6413	Quarterly
143	Wolters Kluwer	Journal of the Indian Society of Pedodontics and Preventive Dentistry	0970-4388	Quarterly
144	Wolters Kluwer	Pharmacognosy Magazine	0973-1296	Quarterly
145	Wolters Kluwer	Annals of Thoracic Medicine	1998-3557	Quarterly
146	Wolters Kluwer	Pharmacognosy Reviews	0976-2787	Half Yearly
147	Wolters Kluwer	IETE Technical Review (Institution of Electronics and Telecommunication Engineers India)	0256-4602	Bimonthly
148	Wolters Kluwer	Indian Journal of Community Medicine	1998-3581	Quarterly
149	Wolters Kluwer	Indian Journal of Critical Care Medicine	1998-359X	Quarterly
150	Wolters Kluwer	Indian Journal of Dermatology	0019-5154	Bimonthly
151	Wolters Kluwer	Saudi Journal of Gastroenterology	1319-3767	Bimonthly
152	Wolters Kluwer	Annals of African Medicine	1596-3519	Quarterly
153	Wolters Kluwer	Annals of Cardiac Anaesthesia	0971-9784	Quarterly
154	Wolters Kluwer	IETE Journal of Research	0974-780X	Bimonthly
155	Wolters Kluwer	Indian Journal of Urology	0970-1591	Quarterly
156	Wolters Kluwer	Journal of Minimal Access Surgery	1998-3921	Quarterly

S.No.	Publisher	Publication Name	ISSN	Frequency
157	Wolters Kluwer	Annals of Indian Academy of Neurology	1998-3549	Quarterly
158	Wolters Kluwer	Indian Journal of Human Genetics	0971-6866	Triannual
159	Wolters Kluwer	Indian Journal of Occupational and Environmental Medicine	1998-3670	Triannual
160	Wolters Kluwer	Indian Journal of Orthopaedics	0019-5413	Bimonthly
161	Wolters Kluwer	Indian Journal of Plastic Surgery	0970-0358	Triannual
162	Wolters Kluwer	Indian Journal of Psychiatry	0019-5545	Quarterly
163	Wolters Kluwer	Indian Journal of Radiology and Imaging	0971-3026	Quarterly
164	Wolters Kluwer	International Journal of Green Pharmacy	0973-8258	Quarterly
165	Wolters Kluwer	Journal of Human Reproductive Sciences	0974-1208	Quarterly
166	Wolters Kluwer	Pharmacognosy Research	0974-8490	Bimonthly
167	Wolters Kluwer	Indian Journal of Anaesthesia	0019-5049	Bimonthly
168	Wolters Kluwer	Journal of Advanced Pharmaceutical Technology and Research	0110-5558	Quarterly
169	Wolters Kluwer	Journal of Cardiovascular Disease Research	0976-2833	Quarterly
170	Wolters Kluwer	Journal of Emergencies, Trauma and Shock	0974-2700	Bimonthly
171	Wolters Kluwer	Journal of Medical Physics	1998-3913	Quarterly
172	Wolters Kluwer	Journal of Pharmacy and Bioallied Sciences	0975-7406	Quarterly
173	Wolters Kluwer	North American Journal of Medical Sciences	1947-2714	Monthly
174	Wolters Kluwer	Asian Journal of Pharmaceutics	0973-8398	Quarterly
175	Wolters Kluwer	Indian Journal of Nephrology	1998-3662	Bimonthly
176	Wolters Kluwer	Indian Journal of Palliative Care	1998-3735	Triannual

S.No.	Publisher	Publication Name	ISSN	Frequency
177	Wolters Kluwer	Journal of Ayurveda and Integrative Medicine	0976-2809	Quarterly
178	Wolters Kluwer	Journal of Global Infectious Diseases	0974-8245	Quarterly
179	Wolters Kluwer	Journal of Pharmacology and Pharmacotherapeutics	0976-5018	Quarterly
180	Wolters Kluwer	Journal of Young Pharmacists	0975-1483	Quarterly
181	Wolters Kluwer	Lung India	0970-2113	Quarterly
182	Wolters Kluwer	Surgical Neurology International	2152-7806	Bimonthly
183	Wolters Kluwer	African Journal of Paediatric Surgery	0189-6725	Quarterly
184	Wolters Kluwer	Annals of Pediatric Cardiology	0974-2069	Half Yearly
185	Wolters Kluwer	Asian Journal of Transfusion Science	0973-6247	Half Yearly
186	Wolters Kluwer	International Journal of Trichology	0974-9241	Quarterly
187	Wolters Kluwer	Journal of Cytology	0974-5165	Quarterly
188	Wolters Kluwer	Journal of Indian Association of Pediatric Surgeons	1998-3891	Quarterly
189	Wolters Kluwer	Journal of Natural Science, Biology and Medicine	0976-9668	Half Yearly
190	Wolters Kluwer	Journal of Oral and Maxillofacial Pathology	0973-029X	Half Yearly
191	Wolters Kluwer	Mens Sana Monographs	1998-4014	Annual
192	Wolters Kluwer	Middle East African Journal of Ophthalmology	0975-1599	Quarterly
193	Wolters Kluwer	Saudi Journal of Anaesthesia	1658-354X	Triannual
194	Wolters Kluwer	Indian Journal of Medical and Paediatric Oncology	0975-2129	Quarterly
195	Wolters Kluwer	Indian Journal of Sexually Transmitted Diseases	0253-7184	Half Yearly
196	Wolters Kluwer	Journal of Conservative Dentistry	0972-0707	Quarterly

S.No.	Publisher	Publication Name	ISSN	Frequency
197	Wolters Kluwer	Journal of Craniovertebral Junction and Spine	0976-9285	Half Yearly
198	Wolters Kluwer	Journal of Indian Society of Periodontology	0975-1580	Quarterly
199	Wolters Kluwer	Journal of Neurosciences in Rural Practice	0976-3147	Half Yearly
200	Wolters Kluwer	Journal of Pediatric Neurosciences	1998-3948	Half Yearly
201	Wolters Kluwer	Urology Annals	0974-7834	Triannual
202	Wolters Kluwer	Biomedical Journal	2320-2890	Bimonthly
203	Wolters Kluwer	Indian Journal of Psychological Medicine	0975-1564	Quarterly
204	Wolters Kluwer	Systematic Reviews in Pharmacy	0975-8453	Half Yearly
205	Wolters Kluwer	Annals of Tropical Medicine and Public Health	0974-6005	Bimonthly
206	Wolters Kluwer	Dental Hypotheses	2155-8213	Quarterly
207	Wolters Kluwer	Indian Journal of Nuclear Medicine	0974-0244	Quarterly
208	Wolters Kluwer	International Journal of Ayurveda Research	0974-7788	Quarterly
209	Wolters Kluwer	Journal of Gynecological Endoscopy and Surgery	0974-1216	Half Yearly
210	Wolters Kluwer	Oman Journal of Ophthalmology	0974-620X	Triannual
211	Wolters Kluwer	Journal of Pharmaceutical Negative Results	2229-7723	Quarterly
212	Wolters Kluwer	Journal of Surgical Technique and Case Report	0976-2825	Half Yearly
213	Wolters Kluwer	South Asian Journal of Cancer	2278-4306	Quarterly
214	Wolters Kluwer	Hepatitis B Annual	1998-3573	Annual
215	Wolters Kluwer	PVRI Review	0975-1602	Quarterly

Source: ICI, 2004 – 2014

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Category 'A'

Table 3.2 (ii): Research Productivity of National Institutes of Technology (NITs) Annexure - 1

S.No.	Subject Category	NIT																												Total																
		BRANIT		MANIT		MNIT		MNNIT		NIT C		NIT D		NIT H		NIT J		NIT K		NIT P		NIT R		NIT R		NIT S		NIT S		NIT T		NIT W		NIT A		SVNIT		VNIT		Total						
		A	C	A	C	A	C	A	C	A	C	A	C	A	C	A	C	A	C	A	C	A	C	A	C	A	C	A	C	A	C	A	C	A	C	A	C	A	C	A	C					
1	Agriculture	*	*	5	1	*	*	4	0	*	*	4	0	1	0	1	0	4	1	3	0	*	*	3	0	*	*	1	0	*	*	3	1	3	0	*	*	2	0	2	0	36	3			
2	Apiculture	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
3	Anthropology	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
4	Arts and Humanities	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	0	
5	Astronomy, Astrophysics, Space and Geodesy	*	*	1	0	*	*	3	0	*	*	6	0	2	0	*	*	*	*	*	*	*	*	2	0	*	*	*	*	*	*	8	1	*	*	2	0	1	0	*	*	25	1			
6	Biological Science	*	*	*	*	1	0	*	*	1	0	*	*	*	*	*	*	2	0	*	*	*	*	*	*	*	*	1	8	*	*	*	*	*	*	*	*	*	*	2	0	7	8			
7	Biotechnology	2	7	11	1	16	2	10	2	*	*	13	3	*	*	*	*	10	2	1	0	*	*	9	3	12	14	*	*	2	0	15	11	2	0	1	0	3	0	*	*	107	45			
8	Botany	*	*	5	0	4	0	5	1	2	1	1	0	*	*	*	*	2	0	*	*	*	*	1	0	*	*	*	*	*	*	3	1	1	0	*	*	*	*	*	*	24	3			
9	Business and Marketing	*	*	2	0	*	*	2	0	*	*	4	1	*	*	*	*	1	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	9	1		
10	Chemistry	1	0	1	0	3	0	1	0	*	*	4	7	*	*	1	0	3	3	2	0	*	*	*	*	*	*	1	0	*	*	*	*	*	*	2	1	*	*	*	*	19	11			
11	Computer Science and Technology	28	5	46	2	34	15	23	10	4	1	44	14	21	31	3	0	40	28	46	41	8	0	14	1	38	6	1	0	3	0	58	35	69	28	6	0	33	2	13	1	532	220			
12	Dairying, Dairy, Animals and Animals Produce	19	2	28	5	3	0	17	1	9	3	20	4	15	7	2	0	20	0	20	7	3	0	5	0	14	0	2	0	4	0	13	0	7	0	6	0	11	1	7	0	225	30			
13	Domestic Science	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0
14	Earth and Geological Science	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	0	
15	Economics	2	0	2	0	3	1	3	0	7	1	3	0	*	*	1	1	39	2	14	0	1	0	23	5	58	25	2	0	4	1	6	1	8	1	4	2	5	0	31	2	216	42			
16	Education	1	0	1	0	2	0	1	0	*	*	1	4	2	0	*	*	2	3	1	0	*	*	*	*	1	0	*	*	2	0	*	*	*	*	1	0	*	*	*	*	15	7			
17	Energy and Fuel Science	3	0	4	1	4	1	4	0	1	0	18	8	3	0	2	0	6	0	11	4	1	0	*	*	1	0	1	0	*	*	1	0	17	2	*	*	4	1	4	2	85	19			
18	Engineering Science and Technology	*	*	*	*	3	0	*	*	3	0	*	*	*	*	*	17	0	*	*	*	*	1	0	22	15	*	*	*	*	1	0	4	0	1	0	*	*	10	0	62	15				
19	Environmental Science	48	9	##	20	66	8	53	7	77	9	77	23	62	17	42	4	##	23	##	44	9	0	43	4	##	38	18	3	10	2	##	42	##	25	18	2	##	5	##	22	1580	307			
20	Fishery	13	7	24	15	42	16	14	4	4	1	12	7	3	0	3	0	20	2	14	4	*	*	7	0	24	33	2	0	2	0	23	11	6	1	2	0	10	1	20	11	245	113			
21	Food and Beverage Science	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2	0	
22	Forestry	*	*	*	*	*	*	*	*	*	*	1	0	*	*	*	*	*	*	*	*	*	*	1	0	*	*	*	*	*	*	1	0	*	*	*	*	4	0	*	*	7	0			
23	GENERAL SCIENCE & TECHNOLOGY	*	*	*	*	*	*	*	*	*	*	2	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2	0		
24	Health Science	9	0	30	42	8	3	17	24	6	3	5	6	7	2	1	0	8	2	17	2	2	0	5	1	13	6	1	0	2	0	15	4	7	2	3	0	12	2	2	3	162	100			
25	History and Philosophy of Science and Knowledge	1	0	5	1	1	0	3	0	*	*	*	*	4	2	*	*	8	0	1	0	1	0	*	*	10	1	*	*	2	0	*	*	2	0	1	0	8	1	2	0	41	5			

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S.No.	Subject Category	NIT																				Total																								
		BRANIT	MANIT	MNIT	MNNIT	NIT C	NIT D	NIT H	NIT J	Krntk	NIT K	NIT P	NIT R	NIT R	NIT S	NIT S	NIT T	NIT W	NIT A	SVNIT	VNIT	Articles/	Citations																							
26	Law	*	*	*	*	*	*	*	*	1	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	0	4	0					
27	Library and Information Science	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*					
28	Management	1	1	1	0	2	0	3	0	8	0	11	3	6	7	*	*	15	0	3	0	*	*	5	0	5	0	3	0	3	0	17	13	2	0	*	*	1	0	*	*	86	24			
29	Material Science	5	4	7	1	3	0	7	0	3	2	3	1	5	1	1	0	6	0	25	10	1	0	*	*	4	0	*	*	*	*	6	0	3	0	2	0	8	0	2	0	91	19			
30	Mathematics	3	3	10	1	4	0	13	11	1	0	8	0	17	26	21	1	48	9	20	10	1	0	25	4	82	35	*	*	5	0	24	7	22	2	1	0	14	2	36	1	355	112			
31	Meteorology	1	0	8	0	9	2	4	0	4	1	10	10	1	0	*	*	5	0	15	7	*	*	2	0	8	0	1	0	4	0	8	0	27	2	2	0	9	2	1	0	119	24			
32	Nanoscience and Nanotechnology	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	0		
33	Oceanography and Marine Science	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	0	
34	Others	1	0	2	0	*	*	2	0	1	0	2	0	3	0	*	*	2	0	1	0	*	*	1	0	1	0	1	0	*	*	*	*	*	*	2	0	1	0	2	0	1	0	23	0	
35	Pharmacology and Pharmaceutical Science	*	*	2	0	*	*	2	0	*	*	3	1	*	*	*	*	*	*	1	0	*	*	*	*	1	0	*	*	*	*	2	0	1	0	*	*	*	*	1	0	13	1			
36	Physics	2	0	7	2	1	0	4	0	*	*	3	0	1	0	*	*	8	1	1	0	*	*	3	0	26	16	*	*	2	0	5	2	6	2	*	*	4	2	2	1	75	26			
37	Pollution	11	2	4	0	21	12	10	0	5	0	32	14	12	0	8	1	6	0	34	18	2	0	1	5	23	5	7	5	8	13	4	6	12	1	2	0	5	1	7	2	214	85			
38	Population Studies	4	0	5	11	25	13	2	0	*	*	3	3	*	*	*	*	8	1	4	2	*	*	2	0	9	5	*	*	*	*	9	0	1	0	*	*	1	0	1	0	74	35			
39	Psychology	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0
40	Remote Sensing	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	0	
41	Rural Development	*	*	4	0	*	*	1	0	1	0	*	*	*	*	*	*	1	4	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	0	*	*	1	0	*	*	9	4		
42	Social Science	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
43	Statistics	1	0	6	1	1	0	2	0	*	*	4	0	4	1	*	*	3	0	1	0	*	*	*	*	4	0	*	*	1	0	1	0	2	0	2	0	3	0	*	*	35	2			
44	Telecommunication	1	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2	0	
45	Textile	1	0	1	0	*	*	*	*	*	*	1	0	*	*	*	*	*	*	2	0	*	*	*	*	2	0	*	*	*	*	*	*	*	*	1	0	2	0	*	*	2	0	12	0	
46	Toxicology	27	4	1	0	1	0	*	*	*	*	1	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	2	*	*	1	0	1	0	33	6			
47	Veterinary Science	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	0	*	*	*	*	*	*	*	*	*	*	*	*	1	0	
48	Water	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
49	Zoology	*	*	1	0	3	0	*	*	1	0	*	*	2	0	*	*	3	0	4	2	2	0	2	0	*	*	*	*	*	*	2	1	3	0	*	*	5	0	21	1	49	4			
Articles and Citation count	Grand Total	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
		##	44	##	##	##	73	##	60	##	22	##	##	##	94	86	7	##	81	##	##	32	0	##	23	##	##	41	8	56	24	##	##	##	68	59	5	##	20	##	46	4617	1274			

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