

NATIONAL MAPPING OF SCIENCE

**EARTH SCIENCES RESEARCH
IN INDIA**

A Study Based on GeoRef Database

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STUDY BASED ON GEOREF DATABASE"



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FOREWORD

I am happy to forward the report on "Earth Sciences Research in India - A study based on Georef Database" compiled by S/Shri J.R. Sahu, D.B.Ramesh, D.P.Sandha, B.K. Dalai and M.K. Seth of our Laboratory. This study was funded by the Department of Scientific and Industrial Research under the NISSAT programme with our Laboratory.

It is hoped, the data shown in this report will throw light on the research efforts of Indian Geologists/Scientists/Scholars in the Earth Science.




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We also express our thanks to Smt. Sridevi Ravindran, Director, NISSAT and Smt. Kamini Mishra, Senior Scientific Officer, NISSAT for their help in all administrative matters related to this project.


(J. R. SAHU)
Team Leader

S Y N O P S I S

This study has been taken up to quantify and map the research efforts of Indian Geologists/Scientists/Scholars in the field of Earth Sciences. For this purpose CD-ROM version of the GeoRef database published by the American Geological Institute, USA for the years 1990-1997 is used. The database has devised its own classification system to organise the literature as per their 50 Category Codes (CC). The GeoRef record comprises as many as 17 fields. Only records published during the years 1990, 1992 and 1994 were downloaded from the CD-ROM version of GeoRef database using the following combination of bibliographic data fields for the analysis. There were about 1272 records from India in GeoRef database in 1990 and 1004 records in 1992 and 560 records in 1994. India ranks 10th in the world based on the publication data. USA tops the list followed by Canada. As per language of publication is concerned for the year 1990, English tops the list. More than 75% of the total publications published by the Indian scientists are from India. All the publications published by the Indian scientists are in English. Only two articles written in Hindi. More than 90% of publication published by the Indian scientists are of Analytic in nature. About 50% of the papers are published in Serial publications. City-wise distribution of Indian publications, Calcutta tops the list followed by Lucknow and Hyderabad. A comparative figure of publications published by the Indian scientists vs. world in all the 38 subject fields categorised as per the GeoRef database. Among all the fields of research, Igneous and Metamorphic Petrology is tops the list followed by Applied Geophysics (20), Economic Geology, Stratigraphy, Structural Geology, Engineering Geology. It is found that all the top 10 publications are published from India. Geological Survey of India (GSI), India tops the list followed by Wadia Inst. Himalayan Geol., Dehra Dun, India and both together take 30% share of the total publications. 70% of total publications is shared by the first 10 Institutions in India during the year 1990. As per the publications count among universities, Banaras Hindu Univ., Varanasi tops the list. USA is on the top list by contributing maximum number of publications in each and every subject category. India has contributed to some extent more publications in the area of Igneous and Metamorphic Petrology in comparison with other countries. Average Impact Factor of SCI has increased from 0.768 in 1990 to 3.112 in 1994, although the total number of publication reduced from 1272 to 560.

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This study has been taken up to quantify and map the research efforts of Indian Geologists/Scientists/Scholars in the field of Earth Sciences. For this purpose CD-ROM version of the GeoRef database published by the American Geological Institute, USA for the years 1986-1997 is used. GeoRef contains over 1.9 million records of North America since 1785 and other areas of the world since 1933. The database has devised its own classification system to organise the literature as per their 50 Category Codes (CC). The GeoRef record comprises as many as 17 fields.

METHODOLOGY

Only records published during the years 1990, 1992 and 1994 were downloaded from the CD-ROM version of GeoRef database using the following combination of bibliographic data fields for the analysis:

Set 1 PY =1990/1992/1994 and INDIA IN AF;

Set 1 and SO;

Set 1 and CP;

Set 1 and CC;

Set 1 and PY;

Set 1 and LA;

Set 1 and PY

Set 1 and DT;

Set 1 and PY;

Set 1 and BL;

Set 1 and AF & CC

(AF=Author Affiliation; SO=Source; CP=Country of Publication; LA=Language of the Article; PY=Year of Publication; CC=Category Codes; DT=Document Type; BL=Treatment of the work)

There were about 1272 records from India in GeoRef database in 1990 and 1004 records in 1992 and 560 records in 1994 .

LIMITATIONS OF THE STUDY

In this study, the CD-ROM version of GeoRef database for the year 1990-1997 is used. All the publications of Indian scientists published during 1990, 1992 and 1994 in India and abroad covered in this database have been downloaded for the purpose of data analysis. Some publications belonging to these years which are not covered in the GeoRef database by the end of 1997 are not used. The decline output shown from 1990 to 1992 and 1994 supports that the CD-ROM version of the database is not updated timely and the coverage of publications from world over in the database is also on the decline side.

DATA ANALYSIS

The following indicators have been used for the data analysis:

- by type of publication,
- by source of publication,
- by country of publication,
- by institution's name,
- by institution place,
- by language of publication,
- by subject classification of publication.

Further, the following indicators have also been studied:

- Indian contribution to world's literature in earth sciences,
- Top priority areas for research in earth sciences in India vs world,
- Top priority areas for research of other countries in earth sciences,
- Where does Indian publications appear,
- Ranking of top journals/source where Indian papers were published and its Impact Factor values,
- Major Institutions and their Priorities areas of research in earth sciences in India,
- Geographic distributioin of publications.

Details of the data analysis were tabulated and presented as follows:

COUNTRY-WISE DISTRIBUTION OF TOTAL EARTH SCIENCES PUBLICATIONS

As per the data presented in the Table 1, Fig. 1 & Table 1A, India ranks 10th in 1990, 9th 1992 and 11th in 1994 in the world. USA tops the list during 1990, 1992 and 1994. Almost all the countries recorded a decline trend in the number of papers produced during 1992 & 1994 in comparison with 1990. This may be due to late coverage of the articles and updation of the database. Russia has gone down to 9th rank during 1992 and 1994 from its 3rd rank during 1990. There are some slight shifts in ranks during 1992 and 1994 from 1990.

TABLE - 1
COUNTRY-WISE & PERCENTAGE DISTRIBUTION OF TOTAL
EARTH SCIENCES PUBLICATIONS AND ITS SHARE
(1990, 1992 & 1994)

Country	1990(%)	1992(%)	1994(%)
WORLD	71012	61123	50895
USA	22427(31.58)	19320(31.60)	18458(36.26)
CANADA	3810(5.36)	3218(5.26)	2709(5.32)
CHINA	3310(4.66)	2803(4.59)	1417(2.78)
RUSSIA	3366(4.74)	665(1.09)	1117(2.19)
UK	3175(4.47)	2331(3.81)	2402(4.72)
FRANCE	2510(5.53)	2657(4.35)	1618(3.18)
JAPAN	2247(3.16)	2101(3.44)	1673(3.29)
GERMANY	2143(3.01)	1484(2.43)	1460(2.87)
AUSTRALIA	1802(2.53)	1266(2.01)	1205(2.37)
INDIA	1272(1.79)	1004(1.64)	560(1.10)
ITALY	781(1.09)	629(1.03)	736(1.45)
NETHERLANDS	568(0.8)	425(0.70)	419(0.82)
SWITZERLAND	415(0.58)	382(0.62)	274(0.54)
ISRAEL	288(0.40)	277(0.45)	317(0.62)
GREECE	179(0.25)	113(0.18)	81(0.15)
MALAYSIA	94(0.13)	99(0.16)	153(0.30)
KOREA	55(0.07)	64(0.10)	121(0.23)
PAKISTAN	38(0.05)	16(0.02)	14(0.02)

Fig. 1: Indian Earth Science Publications Vs. World

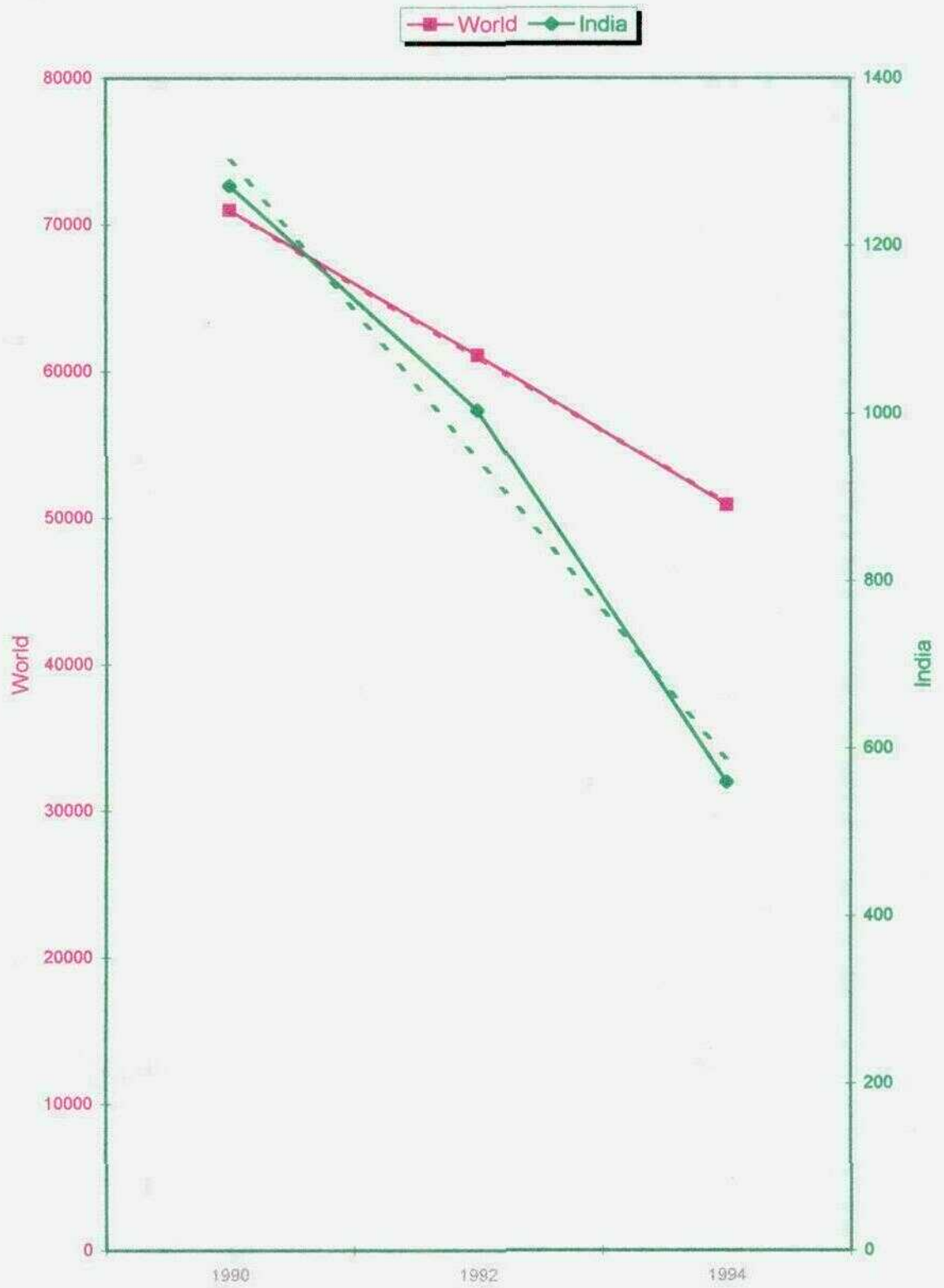


TABLE - 1A
PERCENTAGE SHARE AND RANK OF SELECTED COUNTRIES TO
WORLD LITERATURE IN EARTH SCIENCES
(1990, 1992 & 1994)

Country	1990		1992		1994	
	% Share	Rank	% Share	Rank	% Share	Rank
USA	31.58	1	31.60	1	36.26	1
CANADA	5.36	3	5.26	2	5.32	2
CHINA	4.66	5	4.59	3	2.78	7
RUSSIA	4.74	4	1.09	10	2.19	9
UK	4.47	6	3.81	5	4.72	3
FRANCE	5.53	2	4.35	4	3.18	5
JAPAN	3.16	7	3.44	6	3.29	4
GERMANY	3.01	8	2.43	7	2.87	6
AUSTRALIA	2.53	9	2.01	8	2.37	8
INDIA	1.79	10	1.64	9	1.10	11
ITALY	1.09	11	1.03	11	1.45	10

TABLE - 1B
SHIFT IN THE CONTRIBUTIONS OF SELECTED COUNTRIES
TO EARTH SCIENCE LITERATURE
DURING 1990 AND 1994

Country	1990	1994	% Shift
USA	31.58	36.26	4.68
CANADA	5.36	5.32	-0.04
CHINA	4.66	2.78	-1.88
RUSSIA	4.74	2.19	-2.55
UK	4.47	4.72	0.25
FRANCE	5.53	3.18	-2.35
JAPAN	3.16	3.29	0.13
GERMANY	3.01	2.87	-0.14
AUSTRALIA	2.53	2.37	-0.16
INDIA	1.79	1.1	-0.69
ITALY	1.09	1.45	0.36

LANGUAGE-WISE DISTRIBUTION OF WORLD'S EARTH SCIENCES PUBLICATIONS

So far as language of publication is concerned for the year 1990, English tops the list followed by Russian, Chinese, French, German & Japanese. However, during 1992 & 1994 Chinese occupied the second position (Table -2 & 2A). However during 1992, French occupied the 2nd position followed by Chinese, Russian, Japanese, Spanish and German. In 1994, Chinese occupied 2nd position followed by Russian, Japanese, Spanish, French and German. English vs. other languages is presented in Fig.2.

TABLE -2

LANGUAGE-WISE DISTRIBUTION OF WORLD'S EARTH SCIENCES PUBLICATIONS (1990, 1992 & 1994)

Language	Total No. of Publications		
	1990	1992	1994
English	56028	47788	48243
Russian	5063	2057	1075
Chinese	2530	2149	1261
French	2572	2355	844
German	1351	806	636
Japanese	1072	1034	923
Spanish	960	1002	870
Polish	79	168	59
Hindi	02	01	0
Arabic	01	01	03

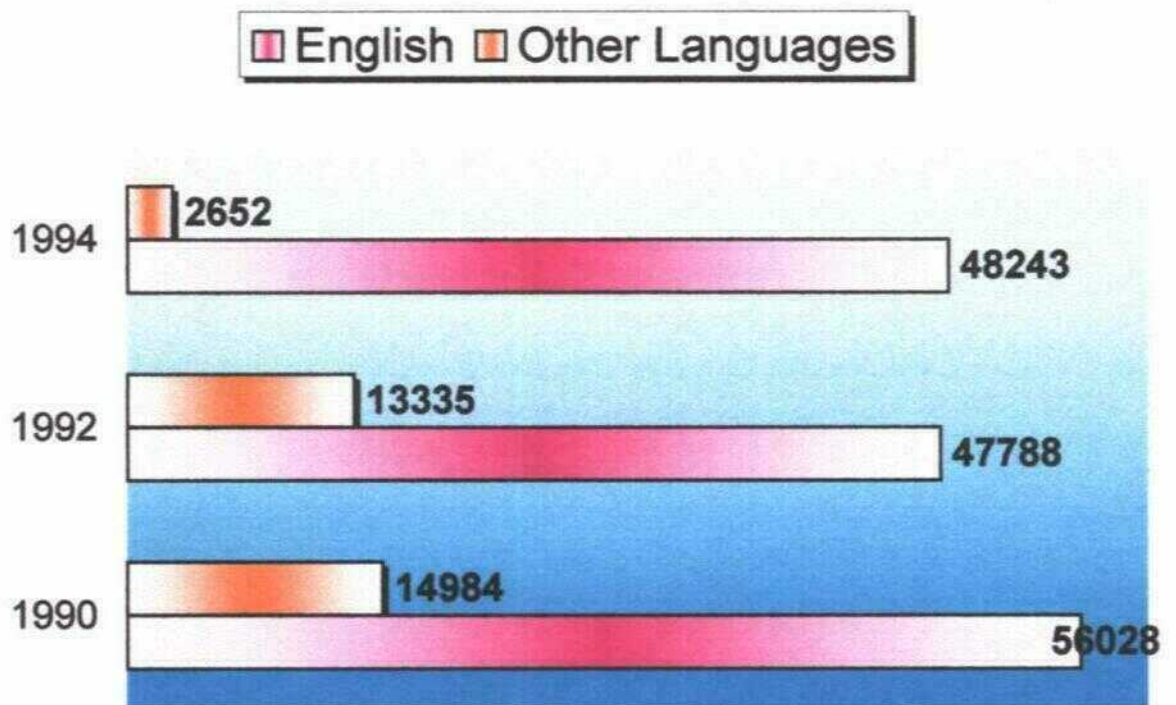


Fig. 2: Language-wise Distribution - English vs. Other Languages

TABLE -2A

**LANGUAGE (%SHARE AND RANK)-WISE DISTRIBUTION OF WORLD'S
EARTH SCIENCES PUBLICATIONS (1990, 1992 & 1994)**

Language	1990		1992		1994	
	% Share	Rank	% Share	Rank	% Share	Rank
English	78.90	1	78.18	1	94.79	1
Russian	7.13	2	3.37	4	2.11	3
Chinese	3.56	4	3.52	3	2.48	2
French	3.62	3	3.85	2	1.66	6
German	1.90	5	1.32	7	1.25	7
Japanese	1.51	6	1.69	5	1.81	4
Spanish	1.35	7	1.64	6	1.71	5
Polish	0.11	8	0.20	8	0.10	8

COUNTRY-WISE DISTRIBUTION OF INDIAN PUBLICATIONS

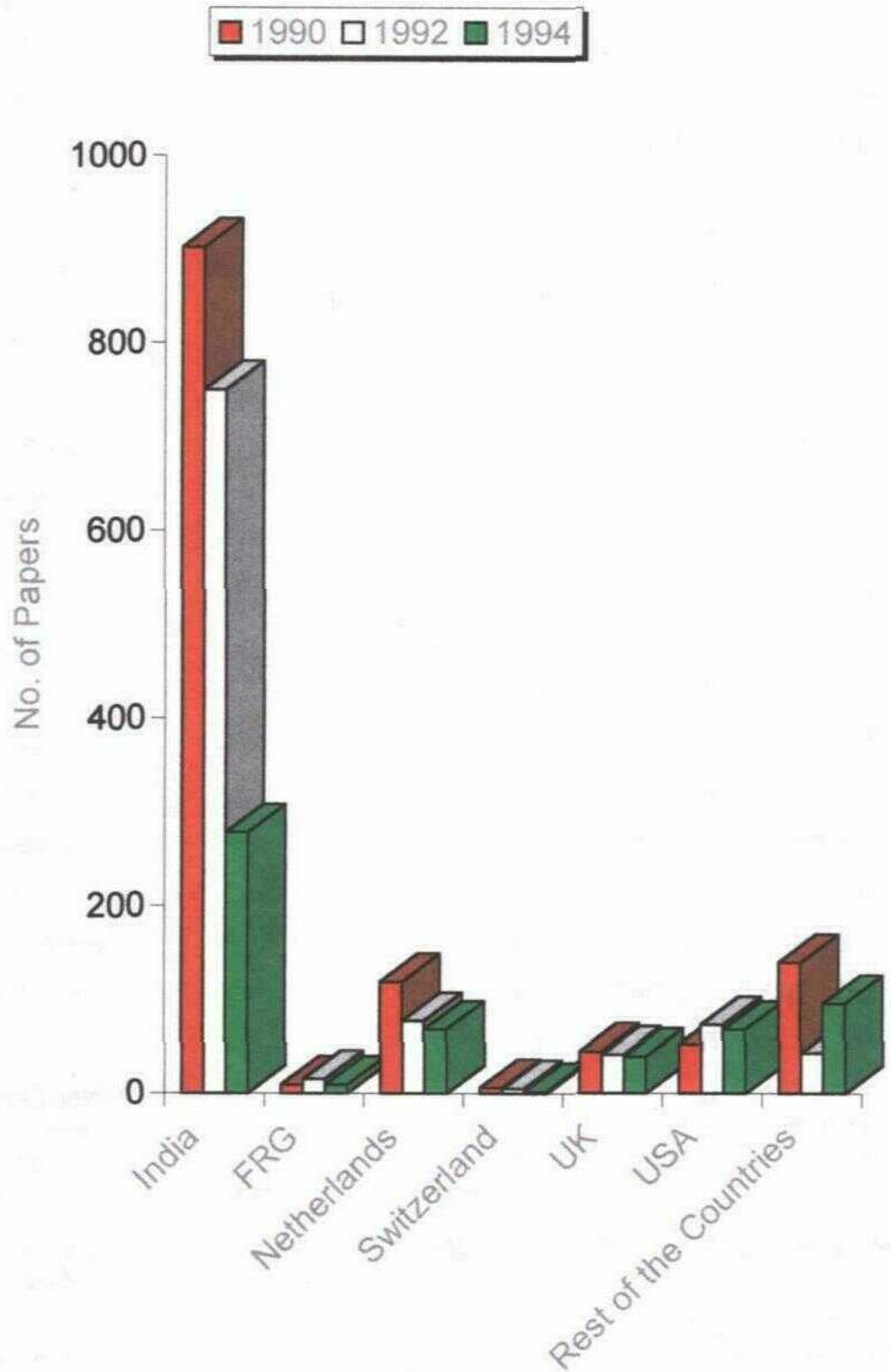
More than 70% of the total publications published by the Indian scientists are from India, followed by Netherlands, USA, UK and Australia in 1990. In 1992 and 1994 also, India occupied 1st position followed by Netherland, USA, U.K., France and Germany (Table - 3 & Fig. 3).

TABLE -3

**COUNTRY-WISE DISTRIBUTION OF INDIAN PUBLICATIONS
AND ITS PERCENTAGE (1990, 1992 & 1994)**

Country	Total No. of Publications		
	1990 (%)	1992 (%)	1994 (%)
Australia	13(1.02)	1(0.09)	3(0.54)
Austria	0	0	1
Canada	1(0.07)	2(0.10)	3(0.54)
China	1	0	0
Czechoslovakia	02	0	0
Federal-Republic-of-Germany	9(0.70)	15(1.49)	9(1.61)

Fig. 3: Country-wise Publications of Indian Earth Science Literature



Finland	0	2	
France	1(0.07)	22(2.19)	2(0.36)
Greece	6	0	0
India	902(70.91)	750(75.8)	278(49.64)
Iran	1	0	0
Italy	0	3	0
Japan	3	7	6
Kenya	0	2	0
Monaco	1	0	0
Netherlands	119(9.36)	77(7.66)	68(12.14)
Norway	0	1	1
Pakistan	1	0	0
Philippines	0	1	0
Romania	0	1	0
Spain	1	0	2
Srilanka	0	1	0
Sweden	1	0	0
Switzerland	6(0.40)	5(0.40)	2(0.36)
Thailand	1	0	0
United-Kingdom	44(3.46)	41(4.08)	39(7.03)
United-States	52(4.09)	73(7.27)	68(12.25)
USSR	1	0	0
Other Countries	106	0	78
TOTAL	1272	1004	560

LANGUAGE-WISE DISTRIBUTION OF INDIAN EARTH SCIENCE PUBLICATIONS

All the publications published by the Indian scientists are in English. Only two articles written in Hindi during 1990 and One in 1992, One in Japanese language in 1994 and One in Indonesian language in 1990 are covered (Table - 4).

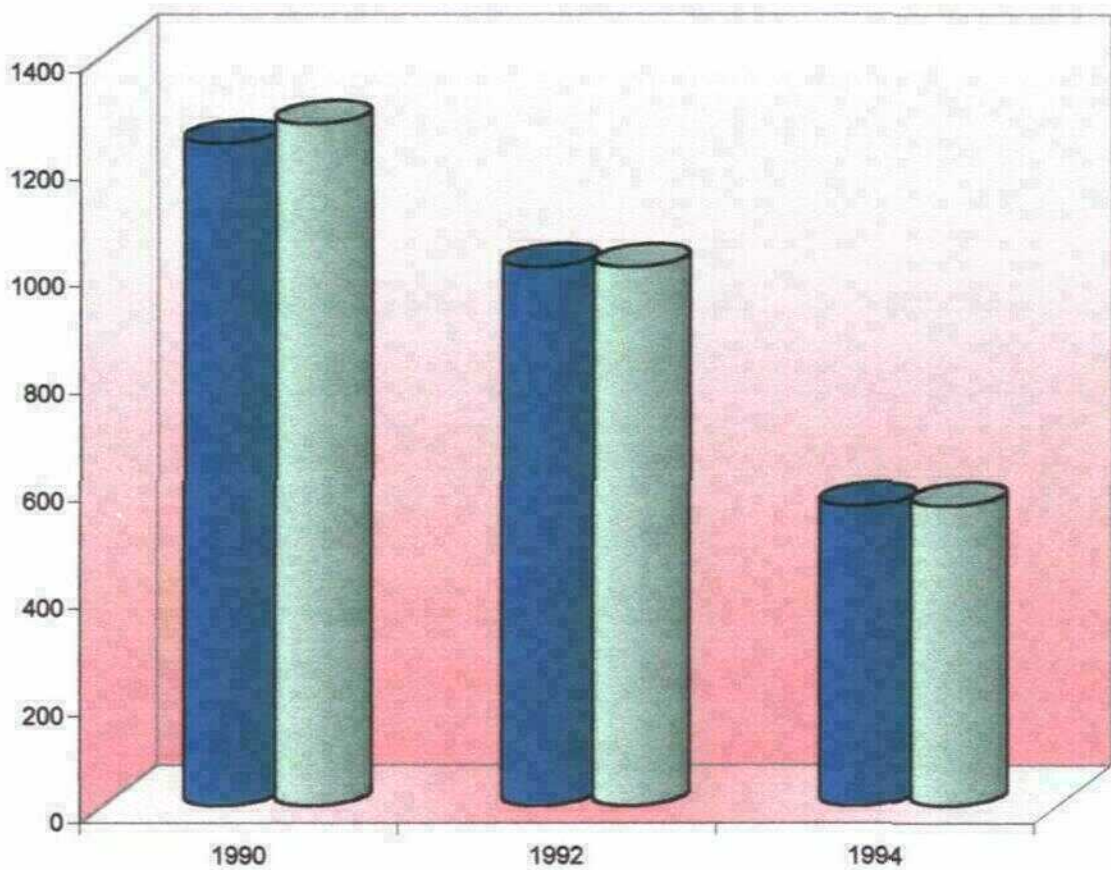


Fig. 4: Classification of Indian Earth Science Publications:
Analytic vs. Total

TABLE - 4

LANGUAGE-WISE DISTRIBUTION OF INDIAN EARTH SCIENCE PUBLICATIONS (1990, 1992 & 1994)

Language	Total No. of Papers		
	1990	1992	1994
English	1269	1003	559
Hindi	2	1	0
Japanese	0	0	1
Indonesian	1	0	0

CLASSIFICATION OF INDIAN EARTH SCIENCE PUBLICATIONS

All the publication published by the Indian scientists during the year 1992 and 1994 are of Analytic in nature. However, 36 out of 1272 published during 1990 are Monographs and no monographs in 1992 and 1994 (Table - 5 & Fig. 4).

TABLE - 5

CLASSIFICATION OF INDIAN EARTH SCIENCE PUBLICATIONS (1990, 1992 & 1994)

Classification of Publication	Total No. of Publications		
	1990	1992	1994
Analytic	1236	1004	560
Monograph	36	0	0
TOTAL	1272	1004	560

TYPE OF INDIAN EARTH SCIENCE PUBLICATIONS

More than 50% of the Indian earth science literature published in serial publications like journals, etc. and the rest in other type of publications like conference documents; abstracts; books; etc. (Table -6 & Fig. 5).

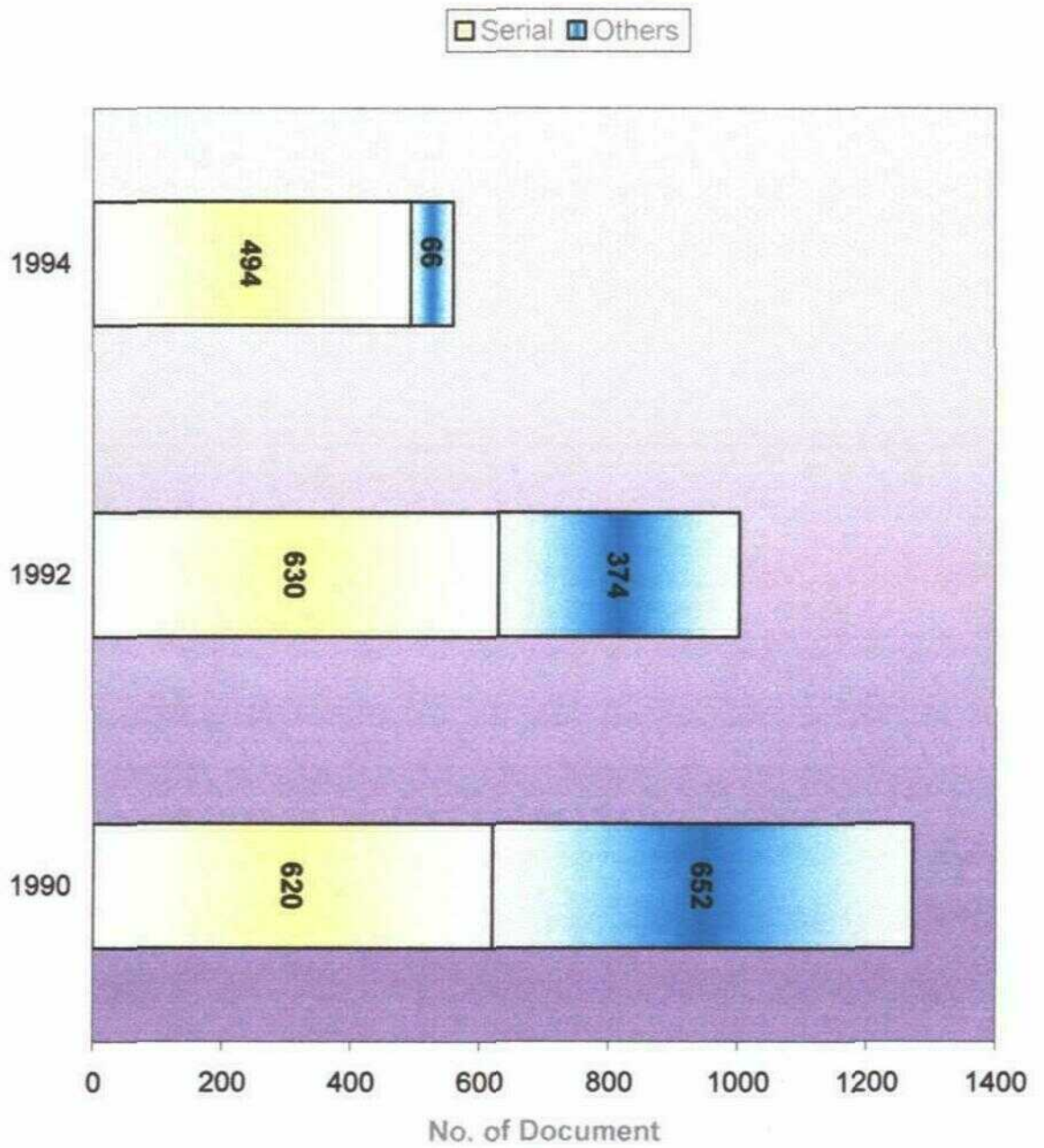


Fig. 5: Type of Indian Earth Science Publications
- Serial vs. Others

TABLE - 6
TYPE OF INDIAN EARTH SCIENCE PUBLICATIONS
(1990, 1992 & 1994)

Type of Document	Total No. of Publications		
	1990 (Rank)	1992 (Rank)	1994 (Rank)
Serial	620(1)	630(1)	494(1)
Abstract; Serial; Conference-Document	193(2)	136(2)	6(5)
Abstract; Serial	154(3)	120(3)	11(4)
Abstract; Book; Conference-Document	148(4)	3(6)	0
Serial; Conference-Document	116(5)	106(4)	32(2)
Book	37(6)	9(5)	17(3)
Serial; Map	3(7)	0	0
Book; Map	1(8)	0	0
TOTAL	1272	1004	560

CITY & STATE-WISE DISTRIBUTION OF INDIAN EARTH SCIENCE PUBLICATIONS

City-wise distribution of Indian publications are presented in Table - 7 shows that Calcutta tops the list followed by Lucknow, Hyderabad, Bangalore, Delhi, Bombay, Nagpur, Banaras, Jaipur and Visakhapatnam are the top 10 cities in the countries leading for their contribution to Indian earth science literature.

TABLE - 7

**CITY-WISE DISTRIBUTION OF INDIAN EARTH SCIENCE
PUBLICATIONS & TOP 10 RANKS (1990, 1992 & 1994)**

City	No. of Publications		
	1990 (Rank)	1992 (Rank)	1994 (Rank)
CALCUTTA	177(1)	67(2)	43(1)
HYDERABAD	109(2)	66(3)	40(2)
BANGALORE	75(3)	22(6)	17(6)
LUCKNOW	64(4)	124(1)	23(4)
DELHI	44(5)	29(4)	38(3)
BOMBAY	31(6)	29(5)	23(5)
NAGPUR	32(7)	17(8)	14(7)
BANARAS	27(8)	12(9)	13(9)
JAIPUR	26(9)	06	05
VISAKHAPATNAM	20(10)	16(10)	14(8)
BHUBANESWAR	19	03	05
CHANDIGARH	19	04	07
KHARAGPUR	18	18(7)	08
JAMMU	17	15	05
MYSORE	13	07	12(10)
TRIVANDRUM	12	05	08
AMRITSAR	06	00	01
UDAIPUR	06	00	03
MADRAS	06	17	08
RANCHI	06	01	01
JORHAT	04	02	02
SAGAR	04	01	00
PATNA	03	01	02
SRINAGAR	03	01	00
RAIPUR	02	03	02
CUTTACK	02	02	00

Among the State-wise distribution of all earth science publications, Uttar Pradesh ranked 1 by contributing 279, 283 and 182 publications during 1990, 1992 & 1994 (Table - 7A).

TABLE - 7A
STATE-WISE DISTRIBUTION OF
ALL INDIAN EARTH SCIENCE PUBLICATION

State	Total No. of Publication		
	1990 (Rank)	1992 (Rank)	1994 (Rank)
Uttar Pradesh	279(1)	283(1)	182(1)
Karnataka	86(4)	41(5)	40(6)
Jammu & Kashmir	12	18	6
Andra Pradesh	116(3)	89(3)	62(2)
Tamilnadu	9	15	13
Nagaland	1	0	1
Chandigarh	14	7	6
Assam	8	8	4
Rajasthan	46(6)	9	18
Orissa	22(9)	5	5
Maharashtra	51(5)	97(2)	57(3)
Bihar	41(7)	30(7)	20(10)
West Bengal	177(2)	67(4)	43(5)
Kerala	15(10)	10	29(8)
Punjab	10	9	1
Madhya Pradesh	22(9)	6	2
Delhi	46(6)	30(7)	51(4)
Pondichery	1	1	1
Goa	41(7)	33(6)	36(7)
Himachal Pradesh	2	27(9)	0
Haryana	8	20(10)	12
Gujarat	28(8)	28(8)	27(9)
Arunachal Pradesh	-	1	0
Meghalaya	-	3	1

SUBJECT-WISE (Category Code) DISTRIBUTION AND SHARE OF INDIAN EARTH SCIENCE PUBLICATIONS vs WORLD

The following Table - 8 presents a comparative figures of publications published by the Indian scientists vs world in all the 38 subject fields categorised as per the GeoRef database. The five leading areas of research in earth sciences in India during 1990 as presented in Table - 8 are: (1) Igneous and Metamerphic Petrology (05A); (2) Applied Geophysics (20); (3) Economic Geology (27A); (4) Stratigraphy (2); and (5) Structural Geology (5).

In 1992, the five leading areas of research in earth science in the world as presented in Table - 8 are: (1) Stratigraphy(2); (2) Applied Geophysics (20); (3) Igneous and Metamerphic Petrology (05A); (4) Structural Geology (5); and (5) Hydrogeology (21).

In 1994, the five leading areas in India are 1) Engineering Geology (30); (2) Igneous and Metamerphic Petrology (05A); (3) Applied Geophysics (20); ; (4) Stratigraphy(2); and (5) Geochemistry of Rock and Soils (02C).

The world's five leading areas are: (1) Environmental geology; (2) Igneous and Metamerphic Petrology (05A); (3) Stratigraphy(2); (4) Structural Geology (5); and (5) Applied Geophysics (20).

TABLE- 8

CATEGORY CODE, AREA-WISE DISTRIBUTION AND TOP 10 RANKS OF
INDIAN EARTH SCIENCE PUBLICATIONS vs WORLD
(1990, 1992 & 1994)

Cat. Code	Subject	Total No. of Publications					
		1990		1992		1994	
		India	World	India	World	India	World
01A	General-mineralogy	02	343	04	353	02	427
01B	Mineralogy-of-silicates	11	822	05	757	03	999
01C	Mineralogy-of-non-silicates	08	629	04	538	03	688
02A	General-geochemistry	14	1194	09	946	08	749
02B	Hydrochemistry	12	1147	07	910	05	921
02C	Geochemistry-of-rocks,-soils	70(10)	3425(9)	45	3162(9)	49(4)	2488
02D	Isotope-geochemistry	23	2362	16	2081	21	1988
03	Geochronology	28	1829	08	1571	22	1501
04	Extraterrestrial-geology	04	1301	01	1205	00	812
05A	Igneous-and-metamorphic-petr.	153(1)	5326(3)	80(4)	5261(1)	63(2)	4697(2)
05B	Petrology-of-meteorites-and-tekt.	10	668	08	573	03	458
06A	Sedimentary-petrology	87(7)	3619	49(9)	2955	34(7)	2609
06B	Petrology-of-coal	16	359	12	272	08	280
07	Oceanography	49	2460	34	1652	33(8)	1429
08	General-paleontology	04	400	05	337	03	241
09	Paleobotany	28	588	46(10)	617	06	263
10	Invertebrate-paleontology	25	1316	12	1140	14	899
11	Vertebrate-paleontology	13	1170	08	1070	05	593
12	Stratigraphy	112(4)	5875(1)	63(5)	5058(2)	27	4248(3)
13	Areal-geology	09	571	19	507	17	316
15	Miscellaneous	04	941	08	880	08	679
16	Structural-geology	97(5)	4940(4)	60(6)	4941(3)	24	4143(4)
18	Solid-earth-geophysics	41	3234	36	3036	21	3026(9)
19	Seismology	28	2680	44	2417	15	2319

Contd.....

20	Applied-geophysics	136(2)	5385(2)	86(3)	4566(4)	58(3)	3938(5)
21	Hydrogeology	77(8)	4913(5)	53(8)	4072(7)	46(5)	3831(6)
22	Environmental-geology	29	3035	32	3880	39(6)	5691
23	Geomorphology	22	1767	15	1364	11	1194
24	Quaternary-geology	23	3268(10)	47	3136	22	3269(8)
25	Soils	45	1248	54(7)	1035	25	948
26A	Economic-geology,-gen., deposits	14	936	05	753	02	540
26B	Economic-geology, gen. econ.	05	134	03	83	01	52
27A	Economic-geology,-geology-of-ore deposits	122(3)	4022(8)	107(2)	3145(10)	29(9)	2221
28A	Economic-geology,-geology-of-non-metal deposits	35	780	11	742	07	436
28B	Economic-geology,-economics non-metal deposits	03	66	00	85	00	29
29A	Economic-geology,-geology-of-energy sources	71(9)	4536(7)	33	4083(6)	27(10)	3282(7)
29B	Economic-geology,-economics energy sources	02	109	00	122	01	138
30	Engineering-geology	90(6)	4885(6)	285(1)	4374(5)	60(1)	2795(10)

MAJOR SUBJECT AREAS (CATEGORY CODE)-WISE DISTRIBUTION OF INDIAN EARTH SCIENCE PUBLICATIONS

Among all the fields of research, Igneous and Metamorphic Petrology (05A) is tops the list followed by Applied geophysics (20), Economic Geology (27A), Stratigraphy (12), Structural Geology (16), Engineering Geology 30) during the years 1990. However, in 1992, Engineering Geology (30) occupies the first position and in 1994 Applied Geophysics occupies the first position (Table - 9)

TABLE - 9

**MAJOR CATEGORY CODE -WISE DISTRIBUTION AND 5 TOP AREAS OF
INDIAN EARTH SCIENCE PUBLICATIONS
(1990, 1992 & 1994)**

Category Code	Subject	Total No. of Papers		
		1990 (Rank)	1992 (Rank)	1994 (Rank)
05A	Igneous-and-metamorphic-petrology	153 (1)	80(4)	63(1)
20	Applied-geophysics	136(2)	86(3)	58(3)
27A	Economic-geology,-geology-of-ore-deposits	122(3)	107(2)	29
12	Stratigraphy	112(4)	63(5)	43
16	Structural-geology	97(5)	60	24
30	Engineering-geology	90	185(1)	60(2)
06A	Sedimentary-petrology	87	49	34
21	Hydrogeology	77	53	46(5)
02C	Geochemistry-of-rocks,-soils,-and-sediments	70	45	49(4)
29A	Economic-geology,-geology-of-energy-sources	71	33	27
18	Solid-earth-geophysics	41	36	21
25	Soils	45	54	25
07	Oceanography	49	34	33
28A	Economic-geology,-geology-of-nonmetal-deposits	35	11	07
22	Environmental-geology	29	32	39
03	Geochronology	28	08	12
19	Seismology	28	44	15
09	Paleobotany	28	46	09
10	Invertebrate-paleontology	25	12	12
23	Geomorphology	22	15	11
02D	Isotope-geochemistry	23	16	21
24	Quaternary-geology	23	47	22

Table - 9A provides data on major subject areas vs. institutions-wise distribution of publications published during the years 1990, 1992 & 1994.

TABLE - 9A

**MAJOR CATEGORY CODE /SUBJECT AND INSTITUTION-WISE
DISTRIBUTION OF INDIAN EARTH SCIENCE
PUBLICATIONS PUT TOGETHER FOR
THE YEARS 1990, 1992 & 1994 (≥ 5)**

Category Code	Subject	Institutions (Total No. of Publications)
05A	Igneous-and-metamorphic-petrology	GSI (76), Wadia Inst. of Him. Geol. (30), AMU, Aligarh (8), Bangalore Univ.(8), IIT-Kharagpur (7) & NGRI, Hyderabad (7)
20	Applied-geophysics	GSI (75), NIO., Goa (14), Indian School of Mines, Dhanbad (14) & ONGC (10)
27A	Economic-geology, -geology-of-ore-deposits	GSI (103), Dept. Atom. Energy (29), Birbal Sahni Inst. Palaeobot., Lucknow (15) & ISM, Dhanbad (12)
12	Stratigraphy	GSI (54), Wadia Inst. of Him. Geol. (16), BHU (12), Punjan Univ. (7) & ONGC (6)
16	Structural-geology	GSI (42) & Wadia Inst. of Him. Geol. (38)
30	Engineering-geology	GSI (119), IISc., Bangalore (18) & IIT-Kharagpur (10)
06A	Sedimentary-petrology	JNU, New Delhi (7), A.U., Waltair (6) & ISM, Dhanbad (5)
21	Hydrogeology	GSI (5)
02C	Geochemistry-of-rocks,-soils, -and-sediments	GSI (7)
29A	Economic-geology,-geology- of-energy-sources	GSI (60) & ONGC (24)
18	Solid-earth-geophysics	NGRI, Hyderabad (13), NIO, Goa (8) & Wadia Inst. Him Geol. (5)
25	Soils	GSI (10)
07	Oceanography	NIO (23)
28A	Economic-geology,-geology- of-nonmetal-deposits	GSI (23)
22	Environmental-geology	ISM, Dhanbad (6)
09	Paleobotany	Cent. Eareth Sci. Stud., Trivandrum (19) & Birbal Sahni Inst. Paleobot. (5)

Table - 9A shows that GSI tops the list in contributing a major share in almost all the areas of the research. Where as the areas like Oceanography(07), Environmental Geology(22), Paleobotany(09), Solid-Earth-Geophysics(18), Engineering Geology(30) and Sedimentary Petrology(06A), other institutions have contributed more publication than GSI.

Institution vs Category Code-wise Distribution of Indian Earth Science Publications as per Publications Count

It is observed from Table - 10 that in almost all the subject areas Geological Survey of India (GSI), India has contributed its publications. In about 9 areas GSI is leading followed by Wadia Institute of Himalayan Geology, Dehra Dun in 6 areas, IIT's in 5 areas, Indian School of Mines, Dhanbad in 4 areas, Andra University in 4 areas, NIO, Goa in 3 areas, NGRI, Hyderabad and ONGC, Dehra Dun in 2 areas each.

TABLE - 10

INSTITUTION vs CATEGORY CODE - WISE DISTRIBUTION OF INDIAN EARTH SCIENCE PUBLICATIONS AS PER PUBLICATIONS COUNT (1990, 1992 & 1994)

Name of the Institution	Major Subject Areas of Research (No. of Publications)		
	1990	1992	1994
Aligarh Muslim Univ., Aligarh	05A (3)	02C (4), 05A (3), 06A(4), 18	05A (2), 06A (1), 27A (1)
Andhra Univ., Visakhapatnam	10 (3), 20 (3), 28A (3)	06A (4), 20 (2) 05A (2)	06A (2), 22, 25, 20, 27A
Department of Atomic Energy	27A (18)	02A (4), 27A (11) 02C, 20	20A (1), 16, 05A (2)
Banaras Hindu Univ., Varanasi	12(4), 22 (4)	30 (3), 10 (3), 12(2), 30 (3)	06 (3), 05 (A), 06A, 20, 21, 12 (2), 24
Bangalore Univ., Bangalore	05A (8)	06A	-
Birb. Sabni Inst. Palaeobot., Lucknow	06B (3), 08 (2)	03 (3), 06B(3), 12 (11), 27A (15) 20(19), 05A (3) 16 (1), 30 (1), 08 (2)	09 (5), 03, 12 (2)
Cent. Earth Sci. Stud., Trivandrum	05A (3)	09 (19), 05 (2)	30 (9), 28A (1)

Contd.....

Geological Survey of India	05A (26), 12 (35), 16 (25), 20 (38), 25 (10), 26A (10), 27A (26), 29A (56) & 30 (13)	02C (7), 05A (34) 16(17), 23 (4), 20 (37), 28A (23), 24 (35), 26B (3), 21 (5), 23 (6), 27A (72), 30 (105), 29A (4)	27A(5), 05A (16), 12(19), 24 (2), 30 (1)
Guru Nanak Dev. Univ. Amritsar	02D (3) & 27A (3)	—	19 (1)
Ind. Inst. of Technol., Kharagpur	05A (7), 15 (4), 30 (4) & 30 (10)	—	20 (2)
- Kanpur	30 (4), 20 (2), 29A (1), 20 (1)		
- Delhi	30 (2)	—	—
- Bombay	16 (2)	—	30 (2)
- Madras	21	—	—
Indian Institute of Science, Bangalore	30 (10)	30 (3)	30 (6)
Indian School of Mines, Dhanbad	20 (7), 22 (5), 27A (5) & 30 (10)	20 (4), 27A (3), 29A (2), 30 (2)	20 (3), 22, 30 (2)
Jadavpur University		06A (5), 16 (3), 27A (4)	
Jawaharlal Nehru Univ., New Delhi	06A (7)	—	18, 21, 22
Natl. Inst. Oceanogr., Goa	05A (1), 18 (8) & 20 (14)	06A (3), 07 (11) 10 (2), 12 (2)	07 (12), 24 (5)
Natl. Geophys. Res. inst. Hyderabad	7 (24) & 20 (8)	02D (3), 05A (7), 16 (3), 18 (13), 19 (7)	21 (4), 20 (4)
ONGC	20 (4) & 29A (4)	09 (4), 10 (3), 02C (2), 20 (4), 16 (5), 29A (8), 12 (6) 06A, 9, 18, 20	29A (12), 20 (2) 02C, 03, 05A 18, 20
Osmania Univ., Hyderabad	20 (6)	05A, 20(2), 30 (1) 28(1), 07	20(2), 05A, 02D, 28(1), 07
Punjan Univ., Chandigarh	12 (6)	11(1), 12 (1)	22 (2), 11 (2)
Phy. Res. Lab., Ahmedabad	02D (5)	02D (6), 24 (4), 21 (4)	02D (4), 03 (6)
Univ. Mysore, Dep. Geol., Mysore	05A (3)	05A (2)	05 (1), 05A (2)
Utkal Univ., Bhubaneswar	06A (4)	—	—
Wadia Inst. Himal. Geol., Dehra Dun	05A (22), 16A (13), 12 (14), 16 (20), 18 (5) & 27A (5)	05A (2), 06A (2), 24 (2)	16 (6), 05A (4), 06A (2) 12 (2), 02D, 02C, 19, 23, 13

Data on major institutions vs. major subject areas of research as per publication count put together for the years 1990, 1992 and 1994 has been provided in Table - 10A.

TABLE - 10A

MAJOR INSTITUTIONS VS. MAJOR SUBJECT AREAS OF RESEARCH OF INDIAN EARTH AS PER PUBLICATIONS COUNT PUT TOGETHER FOR THE YEARS 1990, 1992 & 1994 (≥ 5)	
Name of the Institution	Major Subject Areas of Reesearch (No. of Publications)
Aligarh Muslim Univ., Aligarh	05A (6) & 06A(5)
Andhra Univ., Visakhapatnam	06A(6)
Department of Atomic Energy	27A (29)
Banaras Hindu Univ., Varanasi	12 (6)
Bangalore Univ., Bangalore	05A (8)
Birb. Sahni Inst. Palaeobot., Lucknow	20(19), 27A(15), 12(11), 06B (6) & 09(5)
Cent. Earth Sci. Stud., Trivandrum	09(19) & 30(9)
Geological Survey of India	21(5), 02C(7), 23(10), 25(10), 26A(10), 28A(23), 24(37), 16(42), 2(54), 29A(60), 05A(76), 20(75), 27A(103) & 30(119)
Ind. Inst. of Technol., Kharagpur	05A (7) & 30 (19)
Indian Institute of Science, Bangalore	30 (19)
Indian School of Mines, Dhanbad	22 (6), 27A (9), 20(10), 27A(3) 30 (14)
Jadavpur University	06A(5)
Jawaharlal Nehru Univ., New Delhi	06A (7)
Natl. Inst. Oceanogr., Goa	18 (8), 24(5), 20 (14) & 07(23)
Natl. Geophys. Res. Inst., Hyderabad	05A(7), 19(7), 20(12), 18(13) & 7(24)
ONGC	12(6), 20(10), 16(5) & 29A (24)
Osmania Univ., Hyderabad	20 (10)
Panjab Univ., Chandigarh	12 (7)
Phys. Res. Lab., Ahmedabad	02D (15)
Univ. Mysore, Dep. Geol., Mysore	05A (7)
Wadia Inst. Himal. Geol., Dehra Dun	18(5), 27A(5), 16A(13), 12(16), 16(26) & 05A(28)

It is observed from the Table - 10A that GSI; Indian School of Mines, Dhanbad; IISC, Bangalore have contributed their major share of publications in the area Engineering Geology(30). NIO, Goa has contributed its major share in the area of Oceanography(07); Department of Atomic Energy in Area of Economy Geology of Ore Deposits(27A); ONGC in the area of Economic Geology of Energy Resources(29A) and Wadia Institute of Himalayan Geology in the area of Igneous and Metamorphic Petrology(05A).

RANKING OF TOP PUBLICATIONS WHERE INDIAN EARTH SCIENCE PUBLICATIONS PUBLISHED

Below mentioned Table 11 provides ranking of top publications where Indian scientists in the field of Earth Sciences have published their research findings. It is found that all the top 10 publications are published from India. Publications of GSI like Records of the Geological Survey of India(152), Abstracts - Indian Geological Congress and National Seminar(131), Journal of the Geological Society of India (106), Special Publication Series - Geological Survey of India(36) and Memoir - Geological Society of India(25) takes almost 25% share of the total publications during the year 1990. This is also same in case of 1992 and 1994.

TABLE - 11

RANKING OF PUBLICATIONS (10 RANKS) WHERE INDIAN EARTH SCIENCE PUBLICATIONS PUBLISHED (1990, 1992 & 1994)

Name of the Publication	Total No. of Papers		
	1990 (Rank)	1992 (Rank)	1994 (Rank)
Records of the Geological Survey of India.	152(1)	291(1)	00
Abstracts - Indian Geological Congress and National Seminar	131(2)	08	00
Journal of the Geological Society of India.	106(3)	97(2)	114(1)
Special Publication Series - Geological Survey of India.	36(4)	30(5)	00
Indian Minerals.	36(4)	31(4)	20(2)
International Sedimentological Congress.	31(5)	00	08
Journal of the Indian Society of Soil Science	29(6)	40(3)	18(3)
			Contd.....

Memoir - Geological Society of India	25(7)	23(6)	00
International Congress - International Association of Engineering Geology	25(8)	08	16(5)
Proceedings of the Indian Academy of Sciences: Earth and Planetary Sciences	22(9)	11	10(9)
Journal of the Palaeontological Society of India	19(10)	05	10(9)
Bull. of the Indian Society of Earthquake Techn.	16	10	00
Developments in Precambrian Geology	16	00	00
Exploration and Research for Atomic Minerals	16	00	00
Indian Journal of Geology	15	13	17(4)
Indian Journal of Marine Sciences	14	15(9)	03
Geophytology	14	20(7)	02
Geophysicists	12	01	03
Geoscience Journal	12	15(10)	14(7)
Indian Geotechnical Journal	11	10	15(6)
Abstracts - Geological Society of Australia	11	00	00
Bulletin of the Oil and Natural Gas Commission	11	00	00
The Palaeobotanist	11	00	04
Marine Geology	10	05	09(10)
Photonirvachak (Dehra Dun)	10	05	02
O.F.P. Informations	00	17(8)	00
Clay Research	01	08	00
Indian Journal of Petroleum Geology	00	07	13(8)
International Geological Congress	00	12	00
International Journal of Coal Geology	07	01	05
International Journal of Remote Sensing	03	08	03
Journal of Geotechnical Engineering	01	07	04
Journal of Hydrology	09	07	04
Journal of S.E Asian Earth Sciences	00	06	01
Journal of Palaeontological Soc. of India	19	05	10(9)
Physics of the Earth and Planetary Interiors	05	09	03
		Contd.....	

Precambrian Research	04	05	05
Proc. of the International Symp. on Landslides	00	08	00
Sedimentary Geology	03	06	03
Tectonophysics	06	16	03
Geology	-	02	06
Irrigation and Power	-	02	04
Journal of Applied Hydrology	-	00	05
Journal of environmental Science and Health, Part B	-	00	05
Journal of Himalayan Geology	-	00	09(10)
Journal of Hydraulic Engineering Sciences	-	00	03
Journal of Radioanalytical and Nuclear Chemistry	-	00	02
Geobios	-	00	02
Biographies	-	00	03
Trans, Americal Geographical Union	-	00	03
Congress International - Association International de Geologie de l'Ingeneus	-	00	06 03
Contamination and Agricultural Waste	-	00	03
Cretaceous Research	-	00	02
Journal of Chemical Technology and Biotechnology	-	00	01
Nuclear Geophysics	-	00	01

RANKING OF TOP INSTITUTIONS AS PER THEIR PUBLICATIONS COUNT

Geological Survey of India (GSI), India (272) tops the list followed by Wadia Inst. Himalayan Geol., Dehra Dun, India (93) and both together take 30% share of the total publications as is seen from Table 12 below. It is interesting to note that 70% of total publications is shared by the first 10 Institutions in India during the year 1990. But in 1992, National Geophysical Research Institute, Hyderabad contributed nearly 5 % of total publications and occupied second position after GSI. During 1994, Natl. Inst. Oceanogr., Dona Paula, Goa occupied second position by contributing 22 publications. Both these Institutions are national laboratories under the Council of Scientific & Industrial Research (CSIR).

TABLE - 12

**RANKING OF MAJOR INSTITUTIONS AS PER THEIR PUBLICATIONS
COUNT (1990, 1992 & 1994)**

Name of the Institution	Total No. of Publications		
	1990 (Rank)	1992 (Rank)	1994 (Rank)
Geological Survey of India, India	272(1)	366(1)	48(1)
Wadia Inst. Himalayan Geol., Dehra Dun, India	93(2)	11	28(3)
Natl. Geophys. Res. Inst., Hyderabad	58(30)	41(2)	24(5)
Natl. Inst. Oceanogr., Dona Paula, Goa	39(4)	28	29(2)
Indian School of Mines, Dhanbad	37(5)	13	03
Birbal Sahni Inst. Palaeobot., Lucknow	34	35(3)	14
Atomic Minerals Division, Department of Atomic Energy	27	17	04
Banaras Hindu Univ., Inst. Technol., Dep. Min. Eng., Varanasi	27	12	14
Andhra Univ., Visakhapatnam	26	09	14
Univ. Roorkee, Roorkee	23	30(4)	11
Jadavpur University, Calcutta	23	15	08
ONGC, Dehra Dun	23	29(5)	25(4)
Osmania Univ., Hyderabad	20	04	03
Indian Institute of Technology, Kharagpur	20	07	08
Indian Institute of Technology, Kanpur	03	10	04
Bangalore Univ., Dep. Geol., Bangalore	19	03	00
Aligarh Muslim Univ., Aligarh	13	09	04
Panjab Univ., Chandigarh	13	03	04
Indian Inst. Technol., Bombay	12	17	10
Jawaharlal Nehru University, New Delhi	10	03	02
Indian Institute of Science, Bangalore	13	11	09
Indian Institute of Technology, Delhi	03	02	05
Indian Institute of Technology, Madras	02	06	06
Physical Research Laboratory, Ahmedabad	3	16	14
Central Mining Research Station, Dhanbad	02	02	11

TOP UNIVERSITIES AS PER THEIR PUBLICATIONS COUNT

As per the publications count, Banaras Hindu Univ., Varanasi tops the list with 27 publications followed by Andhra Univ., Visakhapatnam with 26, Jadavpur University, Calcutta with 23 and Univ. Roorkee, Roorkee with 23 publications during 1990. However, during 1992 and 1994, Univ. Roorkee, Roorkee with 30 and 10 respectively was on the top.

TABLE - 13

MAJOR UNIVERSITIES AS PER THEIR PUBLICATIONS COUNT (1990, 1992 & 1994)

Name of the University	Total No. of Publications		
	1990 (Rank)	1992 (Rank)	1994 (Rank)
Banaras Hindu Univ., Varanasi	27(1)	12(3)	14(1)
Andhra Univ., Sch. Chem., Visakhapatnam	26(2)	09(4)	14(1)
Jadavpur University, Department of Geological Sciences, Calcutta	23(3)	15(2)	08(4)
Univ. Roorkee, Civ. Eng. Dep., Roorkee	23(3)	31(1)	11(3)
Osmania Univ., Cent. Explor. Geophys., Hyderabad	20(4)	04	02
Bangalore Univ., Dep. Geol., Bangalore	19(5)	03	00
Karnatak Univ., Dep. Stud. Geol., Dharwad	15	01	03
Panjab Univ., Cent. Adv. Study Geol., Chandigarh	13	03	07(5)
Aligarh Muslim Univ., Dep. Geol., Aligarh	13	09(4)	04
Lucknow Univ., Dep. Geol., Lucknow	11	05(5)	04
Jawaharlal Nehru University, School of Environ. Sci., New Delhi	10	03	05
Univ. Delhi, Dep. Geol., Delhi	10	01	12(2)
Vikram Univ., Sch. Stud. Geol., Ujjain	09	00	00
Univ. Baroda, Dep. Geol., Baroda	09	00	00
Univ. Mysore, Dep. Geol., Mysore	08	05(5)	04
Kumaun Univ., Dep. Geol., Nainital	07	09(4)	00
Gulbarga Univ., P. G. Cent., Krishnadevarayanagar, Sandur	06	00	01
Utkal. Univ., Dept. Geol., Vani Vihar, Bhubaneswar	06	01	00
Shivaji Univ., Dep. Geol., Solapur	05	01	01
Univ. Poona, Poona	05	05	04
Guru Nanak Dev. Univ., Dep. Phys., Amritsar	05	00	01
Univ. Jodhpur, Dep. Geol., Jodhpur	05	00	00
Univ. Jammu, Dep. Geol., Jammu	05	02	04
Univ. Calcutta, Calcutta	05	04	06
M. D. Univ., Rohtak	02	05	01

COLLEGE-WISE DISTRIBUTION OF PUBLICATIONS

An analysis of the publications published from the colleges as presented in Table - 14 gives a discouraging trend. Presidency Coll., Calcutta with 9 publications is on the top followed by Deccan Coll. Postgrad. and Res. Inst., Poona with 5 publications.

TABLE - 14

COLLEGE-WISE DISTRIBUTION OF PUBLICATIONS (1990, 1992 & 1994)

Name of the College	Total No. of Publications		
	1990	1992	1994
Presidency Coll., Dep. Geol., Calcutta	09	01	02
Deccan Coll. Postgrad. and Res. Inst., Poona	05	00	01
M. N. R. Eng. Coll., Dep. Appl. Mech., Allahabad	04	00	00
Regional Engineering College, Warangal	03	00	00
Amar Singh Coll., Dep. Geol., Srinagar, Kashmir	02	00	00
St. Xavier's Coll., Dep. Geol., Bombay	02	02	01
Tata Coll., Dep. Geol., Chaibasa, Bihar	02	00	00
Coll. Agric., All Ind. Coord. Res. Proj. Mang. Salt Affec. Soils, Indore	02	00	00
D.B.S. Coll., Dehra Dun	01	00	00
D.S. Coll., Chem. Lab., Aligarh	01	02	00
Durgapur Gov. Coll., Dep. Geol., Durgapur	01	00	00
Govt. Arts Coll., Dep. Geol., Salem	01	00	00
J. K. Coll., Math. Dep., Purulia	01	01	00
J.D. Coll., Dep. Geol., Calcutta	01	01	00
K. R. E. Coll., Dep. Appl. Mech. and Hydraul., Surathkal	01	00	00
K. J. Somaiya College Sci. Commerce, Bombay	01	00	00
L.D. Coll. Eng., Ahmedabad	01	00	00
MNR, Eng. Coll., Allahabad	01	00	00
Natl. Coll., Dep. Geol., Tiruchy	01	00	00
P. G. Coll. Sci., Dep. Geol., Saifabad, Hyderabad	01	00	00
Shri Warana Coll., Dep Zool., Kolhapur	01	00	00
TDB Coll., Dep. Geol., Raniganj	01	00	00
Vaish Coll., Dep. Math., Vaish	01	00	00
Visvesvaraya Regional College of Engineering, Nagpur	01	00	01
Yuvaraja's Coll., Dep. Geol., Mysore	01	00	00

ORGANISATION-WISE DISTRIBUTION OF ALL INDIAN EARTH SCIENCE PUBLICATIONS

Institution-wise list of distribution of all the Indian Earth Sciences publications published during the years 1990, 1992 & 1994 are provided in the Tables 15, 16 & 17 respectively.

Tables 15A, 16A and 17A provides the list of top 10 ranked institutions published the highest number of publications during the years 1990, 1992 & 1994.

TABLE - 15

ORGANISATION - WISE DISTRIBUTION OF ALL INDIAN EARTH SCIENCE PUBLICATIONS (1990)

Name of the Institution	Total No. of Publications (Rank)
Aligarh Muslim Univ., Dep. Geol., Aligarh	13
All India Soil and Land Use Survey, Bangalore	01
Amar Singh Coll., Dep. Geol., Srinagar, Kashmir	02
Andhra Univ., Sch. Chem., Visakhapatnam	26 (8)
Annamalai Univ., Dep. Phys., Annamalainagar	01
Anthropol. Surv. India, N.W. Reg., Dehra Dun	02
Assam Agric. Univ., Dep. Soil Sci., Jorhat	01
Atomic Minerals Division, Department of Atomic Energy, Jaipur	27(7)
Banaras Hindu Univ., Inst. Technol., Dep. Min. Eng., Varanasi	27(7)
Bangalore Univ., Dep. Geol., Bangalore, India	19
Bangalore Univ., Cent. Coll., UEC-DSA Cent. Fluid Mech., Bangalore	02
Berhampur Univ., Dep. Mar. Sci., Berhampur, India	02
Bhaba At. Res. Cent., Fuel Reprocess. Div., Bombay, India	03
Bharat Gold Mines, Res. Develop. Unit, Karnataka 563117, India	01
Bharatiya Mahavidyalaya, Amravati, India	01
Bihar Remote Sensing Appl. Cent., Patna, India	01
Birbal Sahni Inst. Palaeobot., Lucknow 226007, India	34(6)
C&P Div., E.R., Calcutta, India	01
	Contd.....

Cachan Proj., Assam, India	01
Calcutta Port Trust, Hydraul. Stud. Dep., Calcutta, India	01
Calcutta Univ., Dep. Geol., Calcutta, India	01
CBIT, Hyderabad, India	01
Cent. Water and Power Res. Stn., Hydrogeol. Div., Pune, India	01
Cent. Ground Water Board, India	04
Cent. Fuel Res. Inst., Geol. Div., Dhanbad, India	04
Cent. Earth Sci. Stud., Trivandrum, India	09
Cent. Min. Res. Stn., Dhanbad, India	03
Cent. Arid Zone Res. Inst., Sci. Geomorphol., Jodhpur 342003, India	03
Cent. Petrol. Lab., Calcutta, India	01
Cent. Rice Res. Inst., Eng. Div., Cuttack, India	03
Cent. Water and Power Res. Stn., Earthquake Eng. Res. Div., Poona	01
Cent. Soil Salinity Res. Inst., Karnal, India	01
Cent. Glass and Ceramic Res. Inst., Calcutta, India	01
Central Mine Planning Design Institute, Ranchi, India	02
Coal India, Calcutta, India	01
Cochin Univ. Sci. & Technol., Mar. Geol. Div., Cochin, India	02
Coll. Agric., All Ind.Coord. Res. Proj. Mang.. Salt Affected Soils, Indore	02
D.B.S. Coll., Dehra Dun, India	01
D.S. Coll., Chem. Lab., Aligarh, India	01
Deccan Coll. Postgrad. and Res. Inst., Poona, India	05
Def. Lab., Jodhpur, India	01
Delhi Univ., Dep. Geol., Delhi, India	05
Dep. Mines and Geol., Bangalore, India	02
Dep. Sci. and Technol., New Delhi, India	01
Dep. Geol. and Mines, Assam, India	01
Dep. Mines and Geol., Mysore, India	01
Dibrugarh Univ., Appl. Geol. Dep., Dibrugarh, India	01
Dr. H. S. Gour Vishwavidyalaya, Dept. of Appl. Geol., Sagar, M.P	01

Contd.....

Durgapur Gov. Coll., Dep. Geol., Durgapur, India	01
For. Res. Inst., Div. Ecol. and Conserv., Dehra Dun, India	02
Fr. Inst., Pondicherry, India	01
G.B. Pant Univ. Agric. and Technol., Dep. Soil Sci., Naini Tal, India	02
Gauhati Univ., Dep. Environ. Sci., Gauhati, India	01
Geod. & Res. Branch, Dehra Dun, India	01
Geol. Surv. India, India	272(1)
Goa Univ., Dep. Geol., Bambolim 403005, Goa, India	02
Gov. Model Sci. Coll., Dep. Geol., Raipur, India	01
Govt. Arts Coll., Dep. Geol., Salem, India	01
Ground Water Dev. Corp., Junagadh, India	01
Gulbarga Univ., P. G. Cent., Krishnadevarayanagar, Sandur, India	06
Guru Nanak Dev. Univ., Dep. Phys., Amritsar, India	05
H.P. K. V. Vidyalaya, Dep. Soil Sci. and Water Manage., Palampur	02
Haryana Agricult. Univ., Dep. Soils, Hisar, India	03
Hind. Lever Res. Cent., Bombay, India	01
Hindustan Copper, Rajasthan, India	02
Hutti Gold Mines Co., Kalyadi Copper Unit, Arsikere, India	02
I & CAD Dev., Water Manage. Cell, Hyderabad, India	01
ICAR Res. Complex, Lembuchera, India	01
Ind. Space Res. Org., Bangalore, India	01
Ind. Inst. Sci., Dep. Civ. Eng., Bangalore, India	01
Ind. Toxicol. Res. Cent., Lucknow, India	02
Indian Institute of Technology, Dep. of Geol. and Geophys., Kharagpur	20
Indian School of Mines, Department of Applied Geology, Dhanbad	37(5)
Indian Inst. Technol., Dep. Earth Sci., Bombay, India	12
Indian Inst. Technol., Adv. Cent. Mater. Sci., Kanpur, India	03
Indian Institute of Science, Bangalore, India	13
Indian Bureau of Mines, Regional Ore Dressing Laboratory, Bangalore	03
Indian Assoc. Cult. Sci., Solid State Phys. Dep., Calcutta, India	01
	Contd.....

Indian Agric. Res. Inst., New Delhi, India	08
Indian Stat. Inst., Geol. Stud. Unit, Calcutta, India	03
Indian Inst. Mechan. Continua, Calcutta 700054, India	01
Indian Space Res. Organ., Natl. Nat. Resour. Manage. Sys., Bangalore	01
Indian Inst. Chem. Technol., Anal. Div., Hyerabad, India	01
Indian Institute of Technology, Delhi, India	04
Indian Inst. Sugarcane Res., Lucknow, India	01
Indian Inst. Geomag., Bombay, India	01
Indian Inst. Remote Sensing, Dehra Dun, India	02
Indian Natl. Sci. Acad., New Delhi, India	01
Indian Inst. Technol., Madras, India	01
Indian Inst. Geomagn., Bombay, India	01
Indira Gandhi Natl. Open Univ., New Delhi, India	01
Inst. Deciduous For., Jabalpur, India	01
Irrig. Res. Inst., Roorkee, India	01
J and K Gov., Dir. Geol. and Min., Srinagar, India	01
J. K. Coll., Math. Dep., Purulia, India	01
J. N. Agric. Univ., Indore, India	01
J.D. Coll., Dep. Geol., Calcutta, India	01
Jadavpur University, Department of Geological Sciences, Calcutta	23
Jammu Univ., Geol. Dep., Jammu Tawi, India	03
Jawaharlal Nehru University, School of Environ. Sci., New Delhi	10
K. D. Malaviya Inst. Pet. Explor., Dehra Dun, India	09
K. R. E. Coll., Dep. Appl. Mech. and Hydraul., Surathkal, India	01
K. J. Somaiya College Sci. Commerce, Bombay, India	01
Kalyani Univ., Dep. Bot., Nadia, India	01
Kanpur Univ, Dep. Geol. (PPN Coll.), Kanpur, India	01
Karnatak Univ., Dep. Stud. Geol., Dharwad, India	15
Karnataka Power Corporation, Ganeshgudi, India	01
Konoike Constr. Co., Tech. Res. Inst., Konohana, India	01

Contd.....

Kumaun Univ., Dep. Geol., Nainital, India	07
Kurukshetra Univ., Dep. Math., Kurukshetra, Haryana 132 119, India	02
L.D. Coll. Eng., Ahmedabad, India	01
Lucknow Univ., Dep. Geol., Lucknow, India	11
M. L. Sukhadia Univ., Dep. Geol., Udaipur, India	02
M. N. R. Eng. Coll., Dep. Appl. Mech., Allahabad, India	04
M.A.C.S. Res. Inst., Dep. Geol. and Palaeont., Poona, India	01
M.S. Univ. Baroda, Dep. Geol., Vadodara, India	04
Madras Univ., Geol. Dep., Madras, India	02
Maharashtra Eng. Res. Inst., Nashik, India	01
Maharshi Dayanand Univ., Dep. Math., Rohtak, India	02
Mangalore Univ., Dep. Mar. Geol., Mangalagangotri, India	04
Meteorol. Off., New Delhi, India	01
Meteorol. Off., Poona, India	02
Mineral Exploration Corporation, Nagpur, India	01
Minist. Petrol. and Nat. Gas, New Delhi, India	01
MNR, Eng. Coll., Allahabad, India	01
Mysore Geol. Dep., Mysore, India	03
Nagarjuna Univ., Dep. Geol., Nagarjunanagar, India	03
Nagpur Univ., Dep. Geol., Nagpur, India	02
Nainital Univ., Dep. Geol., Nainital, India	01
Nat. Bur. Soil Surv. and Land Use Plann., Nagpur, India	01
National Hydroelectric Power Corporation, New Delhi, India	02
Natl. Inst. Oceanogr., Dona Paula, Goa, India	39(4)
Natl. Geophys. Res. Inst., Hyderabad 500 007, India	58(3)
Natl. Phys. Lab., New Delhi, India	01
Natl. Inst. Hydrol., Roorkee, India	02
Natl. Remote Sensing Agency, Hyderabad, India	01
Natl. Bot. Res. Inst., Palynol. Soc. India, Lucknow, India	01
Natl. Coll., Dep. Geol., Tiruchy, India	01

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Natl. Alum. Co., Orissa, India	01
Natl. Bur. Soil Surv. and Land Use Plann., Reg. Cent., Calcutta, India	04
Nav. Phys. and Oceanogr. Lab., Cochin, India	01
North Bengal Univ., Darjeeling, India	01
North. East. Hill Univ., Dep. Geol., Kohima, India	01
Nucl. Res. Lab., New Delhi, India	01
Oil India, Duliajan, India	01
ONGC, Dehra Dun, India	23(9)
Orissa Univ. Agric. and Technol., Bhubaneswar	03
Osmania Univ., Cent. Explor. Geophys., Hyderabad 500 007, India	20(10)
P. G. Coll. Sci., Dep. Geol., Saifabad, Hyderabad, India	01
P. G. V. Mahavidyalaya, Dep. Phys., Gwalior, India	01
Panjab Univ., Cent. Adv. Study Geol., Chandigarh, India	13
Patna Univ., Cent. Water Resour. Stud., Patna, India	01
Pestic. Dev. Programme India, India	01
Pet. Recovery Inst., India	01
Phys. Res. Lab., Navrangpura, Ahmedabad, India	12
Potash Res. Inst. India, Gurgaon, India	01
Presidency Coll., Dep. Geol., Calcutta, India	09
Punjab State Counc. Sci. & Technol., Chandigarh, India	01
Punjab Agric. Univ., Dep. Soils, Ludhiana, India	02
Punjabi Univ., Dep. Phys., Patiala, India	01
R.C.E.R., Dep. At. Energy, Nagarbhavi, India	01
Rajasthan State Mines and Miner., Udaipur, Rajasthan, India	01
Rajendra Agric. Univ., Dep. Soil Sci. and Agric. Chem., Pusa Samastipur	03
Ranchi Univ., Dep. Geol., Ranchi, India	01
Reg. Res. Lab., Bhubaneswar, India	06
Reg. Res. Lab., Jorhat, India	02
Regional Engineering College, Warangal, India	03
River Res. Stn., Guwahati, India	01
Contd.....	

S.G.S. Inst. Technol. and Sci., Dep. Civ. Eng., Indore, India	02
S.V. Univ., Spectr. Lab., Tirupati, India	03
Sambalpur University, P. G. Department of Earth Sciences, Sambalpur	01
Saugar Univ., Dep. Appl. Geol., Sagar, India	01
Sch. Mar. Sci., Mar. Geol. Div., Cochin, India	01
Shen-e-Kashmir Univ. Agric. Sci. Technol., Jammu, India	01
Shivaji Univ., Dep. Geol., Solapur, India	05
Shri G.S. Inst. Technol. and Sci., Remote Sensing Cell, Indore, India	01
Shri Warana Coll., Dep Zool., Kolhapur, India	01
Singareni Collieries, Reg. Lab., Ramagundan, India	01
Space Appl. Cent., Meterol. and Oceanogr. Div., Ahmedabad, India	02
St. Xavier's Coll., Dep. Geol., Bombay, India	02
Sukhadia Univ., Dep. Geol., Udaipur, India	02
Surv. Nanak Dev. Univ., Dep. Phys., Amritsar, India	01
Tamil University, Earth Sciences, Thanjavur, India	02
Tata Inst. Fundam. Res., Bombay, India	05
Tata Iron and Steel Co., Noamundi, India	01
Tata Coll., Dep. Geol., Chaibasa, Bihar, India	02
TDB Coll., Dep. Geol., Raniganj, India	01
Univ. Allahabad, Dep. Earth and Planet. Sci., Allahabad, India	01
Univ. Delhi, Dep. Geol., Delhi, India	10
Univ. Lucknow, Dep. Geol., Lucknow, India	03
Univ. Coll. Agric., Calcutta, India	01
Univ. Mysore, Dep. Geol., Mysore, India	08
Univ. Bombay, Dep. Geol., Bombay, India	01
Univ. Jodhpur, Dep. Geol., Jodhpur, India	05
Univ. Allahabad, Dep. Earth and Planet. Sci., Allahabad, India	01
Univ. Kerala, Dep. Geol., Trivandrum, India	03
Univ. Roorkee, Civ. Eng. Dep., Roorkee, India	23
Univ. Rajasthan, Dep. Geol., Udaipur, India	01

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Univ. Madras, Dep. Geol., Madras, India	01
Univ. Calcutta, Calcutta, India	05
Univ. Sagar, Dep. Appl. Geol., Sagar, India	01
Univ. Baroda, Dep. Geol., Baroda, India	09
Univ. Agric. Sci., Dharwad, India	01
Univ. Jammu, Dep. Geol., Jammu, India	05
Univ. Poona, Poona, India	05
University Department of Geology, Nagpur, India	01
Utkal. Univ., Dep. Geol., Vani Vihar, Bhubaneswar, India	06
Vaish Coll., Dep. Math., Vaish, India	01
Vikram Univ., Sch. Stud. Geol., Ujjain, M. P., India	09
Visvesvaraya Regional College of Engineering, Nagpur, India	01
Wadia Inst. Himalayan Geol., Dehra Dun, India	93(2)
Yuvaraja's Coll., Dep. Geol., Mysore, India	01

TABLE - 15 A

**ORGANISATION - WISE (TOP 10 RANKS) DISTRIBUTION OF ALL
INDIAN EARTH SCIENCE PUBLICATIONS (1990)**

Name of the Institution	Total No. of Publications (Rank)
Geol. Surv. India, India	272
Wadia Inst. Himalayan Geol., Dehra Dun, India	93
Natl. Geophys. Res. Inst., Hyderabad 500 007, India	58
Natl. Inst. Oceanogr., Dona Paula, Goa, India	39
Indian School of Mines, Department of Applied Geology, Dhanbad	37
Birbal Sahni Inst. Palaeobot., Lucknow 226007, India	34
Atomic Minerals Division, Department of Atomic Energy, Jaipur	27
Banaras Hindu Univ., Inst. Technol., Dep. Min. Eng., Varanasi	27
Andhra Univ., Sch. Chem., Visakhapatnam	26
ONGC, Dehra Dun, India	23
Osmania Univ., Cent. Explor. Geophys., Hyderabad 500 007, India	20

It is found from the above table that GSI has published the highest number of publications (272 nos. out of 1272) followed by Wadia Institute of Himalayan Geology, NGRI, NIO, ISM, BSIP, Dept. of Atomic Energy, BHU, Andra University, ONGC and Osmania University.

TABLE - 16

ORGANISATION - WISE DISTRIBUTION OF ALL INDIAN EARTH SCIENCE PUBLICATIONS (1992)

Name of the Institution	Total No. of Publications (Rank)
Agricultural College, Bapatla, India	1
Aligarh Muslim Univ., Coll. Eng. and Technol., Aligarh, India	9
Andhra University, Analytical Chemistry Section, Waltair, India	9
Anna University, Institute for Ocean Management, Madras, India	1
Assam Agricultural University, Department of Soil Science, Assam, India	2
Asutosh College, Department of Geology, Calcutta, India	1
Atomic Mineral Division, Hyderabad, India	15(9)
Azad University of Agriculture and Technology, Department of Soil Science, Kanpur	1
Banaras Hindu University, Department of Mining Engineering, Varanasi, India	12
Bangalore Univ., Dep. Geol., Bangalore, India	3
Berhampur University, Department Marine Sciences, Berhampur, India	1
Bhabha Atomic Res. Cent., Bombay, India	5
Bidham Chandra Krishi Viswavidyalaya, Nadia, India	2
Bihar Agricultural College, Soil Survey and Land Use Planning Centre, Bhagalpur	3
Birbal Sahni Inst. Palaeobotany, Lucknow, India	35(3)
Bose Institute, Division of Palynology and Environmental Biology, Calcutta, India	1
Calcutta University, Department of Marine Science, Calcutta, India	3
CCS Haryana Agricultural University, Department of Soil Science, Hisar	1
Cemindia Co., India	1
Cent. Earth Sci. Studies, Akkulan, Trivandrum, India	6
Cent. Min. Res. Stn., Dhanbad, India	2
Cent. Mine Plann. and Design Inst., Explor. Lab., Bihar, India	1
Cent. Res. Inst. Dryland Agric., Hyderabad, India	1
Cent. Road Res. Inst., New Delhi, India	1
	Contd.....

Cent. Water Comm., New Delhi, India	1
Center for Study of Man and Environment, Calcutta, India	1
Central Arid Zone Reseach Institute, Jodhpur, India	4
Central Building Research Institute, Roorkee, India	6
Central Fuel Research Institute, Dhanbad, India	4
Central Glass and Ceramic Research Institute, Calcutta, India	3
Central Ground Water Board, Magpur, India	4
Central Mining Research Station, Dhanbad, India	3
Central Pollution Control Board, New Delhi, India	1
Central Potato Research Station, Meghalaya, India	1
Central Rice Research Institute, Cuttack, Orissa, India	1
Central Water and Power Research Station, Pune, India	1
Coal Surv. Lab., Nagpur, India	1
Cochin University of Science and Technology, School of Marine Sciences, Cochin	4
College of Engineering, Coimbatore, India	1
D.S. College, Department of Geology, Aligarh, India	1
Department of Earth Sciences, Roorkee, India	1
Department of Geology & Mining, Madras, India	1
Department of Mines and Geology, Bihar, India	1
Department of Science and Technology, New Delhi, India	4
Direktorat Sumberdaya Mineral, India	1
Dr. Harisingh Gour Univ., Dep. Appl. Geol., Sagar, India	1
Dr. Y. S. Parmar University of Horticulture and Forestry, Solan	1
Durgapur Govt. Coll., Dep. Geol., Durgapur, India	1
Forest Research Institute, Social Forestry Division, Dehra Dun, India	2
French Institute, Pondicherry, India	1
FS Engineers Private, Madras, India	1
G. B. Pant Inst. Himalayan Environ. and Dev., Srinagar, India	3
Gauhati University, Department of Environmental Science, India	1
Geological Survey of India, India	400(1)
Oil and Natural Gas Commission, Jodhpur, India	2
Goa Univ., Dep. Geol., India	1
Gov. Eng. Coll., Civ. Eng. Dep., Poona, India	2
Gujarat Agricultural University, Department of Agricultural Chemistry, Junagadh	1
GWRDC, Rajkot, India	1
Haryana Agricultural University, Department of Soils, Hisar, India	3
Himachal Pradesh Krishi Visfva Vidyalaya, Department of Soil Sciences, Palampur	4

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I.I.T., Department of Geology and Geophysics, Kharagpur, India	17(7)
Ind. Assoc. Cultiv. Sci., Calcutta, India	1
Ind. Toxicol. Res. Cent., Lucknow, India	1
India Meteorological Department, New Delhi, India	3
Indian Agric. Res. Inst., Div. Agric. Phys., New Delhi, India	6
Indian Bureau of Mines, Nagpur, India	2
Indian Inst. Geomagn., Bombay, India	1
Indian Inst. Mechanics Continua, Calcutta, India	1
Indian Inst. Sci., Dep. Civ. Eng., Bangalore, India	5
Indian Inst. Technol., Civ. Eng. Dep., Bombay, India	7
Indian Inst. Technol., Civ. Eng. Dep., Kanpur, India	11
Indian Inst. Technol., Civ. Eng. Dep., Madras, India	5
Indian Inst. Technol., Civ. Eng. Dep., New Delhi, India	3
Indian Institute of Geomagnetism, Bombay, India	10
Indian Institute of Remote Sensing, Dehradun, India	1
Indian Institute of Science, Bangalore, India	6
Indian Meteorological Department, New Delhi, India	1
Indian Sch. Mines, Dep. Appl. Geol., Dhanbad, India	14(10)
Indian Space Res. Organ., Bangalore, India	2
Indian Statistical Institute, Geological Studies Unit, Calcutta, India	2
Inst. Sci. Nagpur, India	1
Institute of Petroleum Exploration, Palaeontology Laboratory, Dehra Dun, India	1
Institute of Technology & Science, Department of Civil Engineering, Shri G.S., Indore	1
Irrigation Res. Inst., Roorkee, India	1
ISRO, Meteorol. and Oceanogr. Div., Ahmedabad, India	1
J. K. Coll., Math. Dep., Purulia, India	1
J. M. Patel Coll., Bhandara, India	1
J. N. T. Univ., Hyderabad, India	1
Jadavpur Univ., Calcutta, India	15(9)
Jammu Univ., Dep. Geol., Jammu, India	2
Jawaharlal Nehru Technological University, Hyderabad, India	3
K.D.M. Institute of Petroleum Exploration O.N.G. Commission, Dehra Dun, India	1
Kanpur University, at PPN College, Department of Geology, Kanpur, India	1
Karnatak University, Department Geology, Dharwar, India	1
KDMIPE, Oil & Natural Gas Commission, Palynology Laboratory, Dehra Dun, India	5
	Contd.....

Keshava Deva Malaviya Inst. Pet. Explor., Remote Sensing Lab., Dehradun, India	2
Konkan Krishi Vidyapeeth, Department of Agricultural Chemistry, Dapoli, India	1
Kumaun Univ., Dep. Geol., Naini Tal, India	9
Kurukshetra University, Department of Mathematics, Kurukshetra, India	2
Larsen & Toubro ECC Construction Group, Madras, India	1
Lucknow Univ., Dep. Geol., Lucknow, India	5
M. S. Univ. Baroda, Baroda, India	2
M.A.C.S. Res. Inst., Poona, India	1
Madras Sci. Found., Madras, India	1
Maharashtra Assoc. Cultiv. Sci. Research Institute, Poona, India	1
Maharshi Dayanand Univ., Dep. Math., Rohtak, India	5
Mangalore Univ., Dep. Mar. Geol., Mangalagangothri, Karnataka, India	3
Meteorological Office, New Delhi, India	2
Ministry of Water Resources, Central Groundwater Board, India	1
Mysore University, Department of Studies in Geology, Mysore, India	1
Nagpur Univ., Nagpur, India	1
NAM (S&T) Centre, New Delhi, India	2
Nat. Inst. Oceanogr., Dona Paula, Goa, India	27(5)
National Institute of Rock Mechanics, Kolar Gold Fields, Karnataka, India	1
National Geophys. Res. Institute, Hyderabad, India	41(2)
National Institute of Oceanography, Goa, India	2
National Bureau of Soil Survey and Land Use Planning, Bangalore, India	5
National Chemical Laboratory, Poona, India	2
National Institute of Hydrology, Roorkee, India	1
National Remote Sensing Agency, Balanagar, India	1
Natl. Bur. Soil Survey and Land Use Planning Div. Pedology, Nagpur, India	2
Natl. Inst. Hydrol., Belgaum, India	1
Navrangpura, Physical Research Laboratory, Ahmedabad, India	2
Nehru Planetarium, Nehru Cent., Bombay, India	1
Oil & Natural Gas Commission, Bombay, India	31(4)
Oil India, Assam, India	4
Orissa University of Agricultural and Technology, Department of Soils, Orissa, India	1
Osmania University, Department of Geology, Hyderabad, India	4
Palynology Laboratory, KDMIPE, ONGC, Dehra Dun, India	1
Panjab University, Centre of Advanced Study in Geology, Chandigarh, India	2
Parmar University of Horticulture and Forestry, India	1

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Phys. Res. Lab., Ahmedabad, India	17(6)
Potash Research Institute of India, Gurgaon, Haryana, India	1
Presidency College, Department of Geology, Calcutta, India	1
Punjab State Council for Science & Technology, Chandigarh, India	1
Punjab Univ., Cent. Adv. Stud. Geol., Chandigarh, India	3
Punjab Agric. Univ., Ludhiana, India	1
Punjabi University, Department of Physics, Patiala, India	1
Rajendra Agricultural University, Department of Soil Science, Samastipur, India	3
Ranchi Univ., Dep. Geol., Ranchi, India	1
Ravenshaw College, Department of Botany, Cuttack, India	1
Ravishankar University, Department of Bioscience, Raipur, India	3
Remote Sensing Application Centre, Ground Water Exploration Division, Jhansi, India	1
Res. Inst., Dep. Botany, Poona 411 004, India	2
Roorkee University, Department of Earthquake Engineering, Roorkee, India	2
S.J. College of Engineering, Centre for Environmental Science and Technology, Mysore	1
Saurashtra Univ., Dep. Biosci., Rajkot, India	1
Shivajinagar Coll. Eng., Civ. Eng. Dep., Poona, India	1
Shri G. S. Institute of Technology and Science, Department of Civil Engineering, Indore	1
Sri Krishnadevaraya University, Department of Microbiology, Anantapur, India	1
St. Xavier's Coll. Geol. Dep., Bombay, India	2
Suprova Research Laboratories, India	2
Survey of India, Geodetic and Research Branch, Dehra Dun, India	1
Tamil Nadu Agric. Univ., Dep. Soil Sci. and Agric. Chem., Coimbatore, India	2
Tata Institute of Fundamental Research, Bombay, India	1
Univ. Calcutta, Dep. Agric. Chem. and Soil Sci., Calcutta, India	4
Univ. Jammu, Dep. Geol., Jammu, India	1
Univ. Goa, Dep. Geol., India	1
Univ. Poona, Dep. Geogr., Poona, India	3
Univ. Lucknow, Dep. Geol., Lucknow, India	3
Univ. Nagpur, Nagpur, India	1
Univ. Delhi, Dep. Geol., Delhi, India	1
Univ. of Roorkee, Roorkee, India	2
Univ. Mysore, Dep. Geol., Manasagangotri, Mysore, India	1
Univ. Roorkee, Civ. Eng. Dep., Roorkee, India	16(8)
	Contd.....

Univers. Earth Eng. Consult. Serv. Pvt., Bombay, India	1
University College of Agriculture, Calcutta University, Calcutta, India	1
University of Roorkee, Civil Engineering Department, Roorkee, India	10
University of Rajshahi, India	1
University of Mysore, Department of Geology, Manasgangotri, Mysore, India	4
University of Poona, Department of Geology, Poona, India	3
University of Kalyani, Department of Mathematics, Kalyani, India	1
University of Calcutta, Calcutta, India	2
University of North Bengal, Department of Chemistry, Darjeeling, India	1
University of Agri. Sci.s, Adv. Center for Res. on Black Cotton Soils, Dharwad, India	1
University of Madaras, Madaras, India	1
Utkal University, Department of Geology, Orissa, India	1
Visva-Bharati University, Department of Botany, Santiniketan, India	1
W. R. D., Patna, Bihar, India	1
Wadia Inst. Himalayan Geol., Dehra Dun, India	11
Water and Mineral Exploration Research and Training Institute, Hyderabad, India	1

TABLE - 16 A

**ORGANISATION - WISE (TOP 10 RANKS) DISTRIBUTION OF ALL
INDIAN EARTH SCIENCE PUBLICATIONS (1992)**

Name of the Institution	Total No. of Publications (Rank)
Geological Survey of India, India	400
National Geophys. Res. Institute, Hyderabad, India	41
Birbal Sahni Inst. Palaeobotany, Lucknow, India	35
Oil & Natural Gas Commission, Bombay, India	31
Nat. Inst. Oceanogr., Dona Paula, Goa, India	27
Phys. Res. Lab., Ahmedabad, India	17
I.I.T., Department of Geology and Geophysics, Kharagpur, India	17
Univ. Roorkee, Civ. Eng. Dep., Roorkee, India	16
Atomic Mineral Division, Hyderabad, India	15
Jadavpur Univ., Calcutta, India	15
Indian Sch. Mines, Dep. Appl. Geol., Dhanbad, India	14

It is again observed that GSI has top the list by publishing 400 publications out of 1004 during 1992.

TABLE - 17

**ORGANISATION -WISE DISTRIBUTION AND TOP RANKS OF ALL
INDIAN EARTH SCIENCE PUBLICATIONS (1994)**

Name of the Institution	Total No. of Publications (Rank)
Agharkar Research Institute, Geology and Palaeontology Group, Poona, India	1
Aligarh Muslim University, Department of Geology, Aligarh, India	5
Allahabad University, Department of Earth and Planetary Sciences, Allahabad, India	1
Andhra University, Department of Geophysics, Visakhapatnam, India	13(9)
Anna University, Institute for Ocean Management, Madras, India	1
Atomic Minerals Division, Bangalore, India	6
Banaras Hindu University, Department of Geology, Varanasi, India	14(8)
Bhabha Atomic Research Centre, Health Physics Division, Bombay, India	4
Bidhan Chandra, Department of Agricultural Chemistry and Soil Science, Kalyani, India	2
Birbal Sahni Institute of Palaeobotany, Lucknow, India	14(8)
Calcutta University, Department of Biochemistry, Calcutta, India	1
Cent. Soil and Water Conserv. Res. and Train. Inst., India	1
Central Soil and Water Conservation Research and Training Institute, Dehra Dun, India	2
Central Soil Salinity Research Institute, Karnal, India	1
Central Arid Zone Research Institute, Jodhpur, India	4
Central Board of Irrigation and Power, New Delhi, India	1
Central Building Research Institute, Roorkee, India	2
Central Mine Planning and Design Institute, Bihar, India	1
Central Mining Research Station, Dhanbad, India	11
Central Soil and Materials Research Station, New Delhi, India	3
Centre for Earth Science Studies, Trivandrum, India	6
Cochin University of Science and Technology, School of Marine Sciences, Kerala, India	5
College of Engineering, Department of Civil Engineering, Poona, India	1
Consultant, Gurgaon, India	2
CSMRS, Rock Mechanics Division, New Delhi, India	1
Deccan College, Department of Archaeology, Poona, India	1
Defence Terrain Research Laboratory, Delhi, India	1

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Department of Atomic Energy, Atomic Minerals Division, Hyderabad, India	3
Department of Mining Engineering, VRCE, Nagpur, India	1
French Institute, Pondicherry, India	1
Geological Survey of India, India	50(1)
Goa University, Department of Geology, India	1
Government Institute of Science, Aurangabad, India	1
Govt Degree College, Department of Geology, Kathua, India	1
Groundwater Institute, Poona, India	1
Gulbarga University, Department of Mineral Processing, Sandur, India	1
Guru Nanak Dev University, Department of Physics, Amritsar, India	1
Haryana Agricultural University, Department of Soil Science, India	2
Hindustan Zinc, Central Research and Development Laboratory, Udaipur, India	1
IARI, Nuclear Research Laboratory, New Delhi, India	5
India Meteorological Department, Poona, India	1
India National Bureau of Soil Survey and Land Use Planning, Nagpur, India	1
Indian Statistical Institute, Geological Studies Unit, Calcutta, India	5
Indian Agricult. Res. Inst., Div. Agricult. Phys., New Delhi, India	1
Indian Institute of Geomagnetism, Bombay, India	2
Indian Institute of Science, Bangalore, India	9
Indian Institute of Science, Department of Civil Engineering, Bangalore, India	2
Indian Institute of Technology, Civil Engineering Department, Delhi, India	5
Indian Institute of Technology, Department of Civil Engineering, Bombay, India	10
Indian Institute of Technology, Department of Civil Engineering, Madras, India	4
Indian Institute of Technology, Department of Geology & Geophysics, Kharagpur, India	12
Indian Institute of Technology, Kanpur, India	3
Indian School of Mines, Dhanbad, India	4
Industrial Toxicology Research Centre, Aquatic Toxicology Division, Lucknow, India	1
International Commission on Stratigraphy (ICS), India	1
Jadavapur University, Calcutta, India	8
Jammu University, Department of Geology, Jammu, India	1
Jawaharlal Nehru Technological University, Centre for Remote Sensing, Hyderabad, India	1
Jawaharlal Nehru University, New Delhi, India	4
Kanpur University, Department of Geology, Kanpur, India	1
Contd.....	

Karnatak University, Department of Studies in Geology, Karnataka, India	4
KDM Institute of Petroleum Exploration, Geochemistry Division, Dehra Dun, India	7
Keshava Deva Malaviya Institute of Petroleum Exploration, ONGC, Dehra Dun, India	2
Kurukshetra University, Department of Mathematics, Haryana, India	2
Lucknow University, Department of Geology, Lucknow, India	1
M.S. University of Baroda, Department of Geology, Baroda, India	1
Maharshi Dayanand University, Department of Mathematics, Rohtak, India	1
Mangalore University, Department of Marine Geology, Mangalagangotri, India	3
Meteorology and Oceanography Division, Space Applications Centre, Ahmedabad, India	1
Nagpur University, Department of Geology, Nagpur, India	2
National Geophysical Research Institute, Hyderabad, India	25(4)
National Bureau of Soil Survey and Land Use Planning, Nagpur, India	3
National Institute of Hydrology, Roorkee, India	1
National College, Department of Mathematics, India	1
National Institute of Rock Mechanics, Kolar Gold Fields, Karnataka, India	1
National Institute of Oceanography, Dona Paula, Goa, India	29(3)
Naval Physical and Oceanographic Laboratory, Thrikkakara, India	1
NEHU, Kohima, India	1
Nizam College, Department of Botany, Hyderabad, India	1
Office of Collector, Indore, India	1
Oil and Natural Gas Commission, Dehra Dun, India	42(2)
Oil India, Jodhpur, India	3
Osmania University, Centre of Exploration Geophysics, Hyderabad	3
Panjab University, Centre of Advanced Study in Geology, Chandigarh, India	5
PG Centre, Department of Geology, Bihar, India	1
Physical Research Laboratory, Ahmedabad, India	18(8)
Presidency College, Department of Geology, Calcutta, India	2
Pt. Ravishankar Shukla University, Raipur, India	2
Rajshahi University, Department of Geology & Mining, Bangladesh, India	3
Regional Research Laboratory, Bhubaneswar, India	5
Regional Institute of Technology, Department of Civil Engineering, Jamshedpur, India	1
Regional Research Laboratory, Bhopal, India	1
	Contd.....

Regional Research Laboratory (CSIR), Trivandrum, India	1
Regional Research Laboratory, Jorhat, India	1
Remote Sensing Laboratory, Dehra Dun, India	1
Remote Sensing Applications Center, Lucknow, India	1
S. N. Bose National Centre for Basic Sciences, Calcutta, India	1
S.C.O.98-100, Sector 17-C, Chandigarh, India	1
S.J. College of Engineering, Department of Computer Science and Engineering, Mysore	1
Saha Institute of Nuclear Physics, Calcutta, India	1
Shivaji University, Geology Department, Solapur, India	1
Slope Stability Centre, Central Mining Research Station (CMRS), Dhanbad, Bihar, India	1
Space Applications Centre, Land Resources Division, Remote Sensing Applications Group,	1
St. Xavier's College, Department of Geology, Bombay, India	3
STA Fellow, National Institute of Hydrology, New Delhi, India	1
Udai Pratap (Autonomous) College, Central Research Laboratory, Varanasi, India	1
University of Lucknow, Department of Geology, Lucknow, India	3
University of Mysore, India	5
University of Roorkee, Roorkee	12
University of Delhi, Delhi, India	13(10)
University of Poona, Department of Geology, Poona, India	5
University of Jammu, Geology Department, Jammu, India	4
University of Rajasthan, Department of Geology, Jaipur, India	2
University of Calcutta, Geology Department, Calcutta, India	6
University of Kerala, Department of Geology, Kariavattom, India	2
V.R.C.E., Department of Civil Engineering, Nagpur, India	2
Wadia Institute of Himalayan Geology, Dehra Dun, India	20(6)
Water Management Project, Regional Research Station, Chiplima, India	1

TABLE - 17 A

**ORGANISATION -WISE (TOP 10 RANKS) DISTRIBUTION ALL INDIAN
EARTH SCIENCE PUBLICATIONS (1994)**

Name of the Institution	Total No. of Publications (Rank)
Geological Survey of India, India	50
Oil and Natural Gas Commission, Dehra Dun, India	42
National Institute of Oceanography, Dona Paula, Goa, India	29
National Geophysical Research Institute, Hyderabad, India	25
Wadia Institute of Himalayan Geology, Debra Dun, India	20
Physical Research Laboratory, Ahmedabad, India	18
Banaras Hindu University, Department of Geology, Varanasi, India	14
Birbal Sahni Institute of Palaeobotany, Lucknow, India	14
Andhra University, Department of Geophysics, Visakhapatnam, India	13
University of Delhi, Delhi, India	13
University of Roorkee, Roorkee	12
Indian Institute of Technology, Department of Geology & Geophysics, Kharagpur, India	12

During 1994 also, GSI has top the list by publishing 50 publications out of 560 during 1992.

DISTRIBUTION OF ALL INDIAN EARTH SCIENCE PUBLICATIONS AS PER SOURCE

Source - wise list of distribution of all the Indian Earth Sciences publications published during the year 1990, 1992, 1994 are provided in the Tables 18, 19 & 20 respectively.

TABLE - 18
DISTRIBUTION OF ALL INDIAN EARTH SCIENCE
PUBLICATIONS AS PER SOURCE (1990)

Name of the Institution	Total No. of Publications (Rank)
AAPG Bulletin	02
Abstracts - Geological Society of Australia	11
Abstracts of Papers Submitted to the Lunar and Planetary Science Conference	01
Abstracts - Indian Geological Congress and National Seminar., 1990	131(2)
Abstracts with Programs - Geological Society of America	01
Association of Hydrogeologists	01
ASTM Geotechnical Testing Journal	02
Atomic Spectroscopy	02
Bulletin of the Oil and Natural Gas Commission	11
Bulletin of the Indian Society of Earthquake Technology	16
Bulletin of the Seismological Society of America	01
Bulletin - Indian Geologists' Association	04
Bulletin - New Mexico Bureau of Mines & Mineral Resources	01
Bulletin of the International Association of Engineering Geology	01
Canadian Geotechnical Journal = Revue Canadienne de Geotechnique	01
Chemical Geology	03
Chemosphere (Oxford)	01
Clay Research	06
Clays and Clay Minerals	01
Cold Regions Science and Technology	01
Computers & Geosciences	07
Continental Shelf Research	01
Contributions to Mineralogy and Petrology	01
Cretaceous Research	01
Deep-Sea Research. Part A: Oceanographic Research Papers	02
Contd.....	

Developments in Precambrian Geology	16
Earth and Planetary Science Letters	01
Engineering Geology	01
Environmental Geology and Water Sciences	03
European Journal of Mineralogy	01
Exploration and Research for Atomic Minerals	16
Exploration Geophysics	01
Fuel (Guildford)	03
Fuel Science and Technology	02
Geo-Marine Letters	02
Geochimica et Cosmochimica Acta	01
Geoderma	02
Geologica Carpathica	01
Geological Journal	02
Geological Society Special Publications	02
Geologicheskii Zhurnal (Kiev, 1968)	01
Geologische Rundschau	01
Geology (Boulder)	01
Geomorphology	01
Geophysical and Astrophysical Fluid Dynamics	01
Geophysical Journal International	03
Geophysical Prospecting	02
Geophysical Research Letters	01
Geophysicists	12
Geophytology	14
Geoscience Journal	12
Geotechnical Engineering	01
Geotechnique	02
Gerlands Beitrage zur Geophysik	09
	Contd.....

Gondwana Geological Magazin	06
Gran 01	
Ground Wate	01
Hydrogeology, Selected Papers	01
Hydrological Processes	01
Hydrological Science and Technology	01
Hydrology - Journal of the Indian Association of Hydrologist	03
IAHS-AISH Publication	06
IEEE Transactions on Geoscience and Remote Sensing	01
Indian Minerals	36(4)
Indian Geotechnical Journal	11
Indian Journal of Geolog	15
Indian Journal of Marine Sciences	14
International Sedimentological Congres	31(6)
International Journal of Coal Geology	07
International Hydrographic Review	01
International Geoscience and Remote Sensing Symposium	01
International Journal of Remote Sensing	03
International Journal of Surface Mining	01
InternationalCongress - International Association of Engineering Geology	25(8)
Irrigation and Power	04
ITC Journal = Bulletin de l'ITC	,01
Journal of Metamorphic Geology	02
Journal of Geodynamics	02
Journal of the Geological Society of India	107(3)
Journal of the Palaeontological Society of India	09
Journal of Volcanology and Geothermal Research	01
Journal of Applied Hydrology	07
Journal of Geotechnical Engineering	01
Journal of Mines, Metals and Fuels	09
Contd.....	

Journal of Sedimentary Petrology	01
Journal of Geology	01
Journal of Palynology	03
Journal of Hydrology	09
Journal of Fluid Mechanics	01
Journal of the Indian Society of Soil Science	29(7)
Journal of the Palaeontological Society of India	19(10)
Journal of Irrigation and Drainage Engineering	01
Journal of Petrology	01
Journal of Coastal Research. 6; 3, Pages 573-585	01
Journal of Geotechnical Engineering	04
Journal of Waterway, Port, Coastal and Ocean Engineering	01
Journal of Crystallographic and Spectroscopic Research	01
LPI Technical Report	02
Marine Chemistry	02
Marine Geology	10
Marine Geodesy	01
Marine Pollution Bulletin	01
Marine Micropaleontology	01
Marine Geotechnology	01
Mathematical Geology	03
Mausam	01
Memoir - Geological Society of India	25(8)
Meteoritics	01
Micropaleontology	01
Mineralium Deposita	01
Mineralogical Journal	01
Mineralogical Magazine	03
Modern Geology	02
Mountain Research and Development	01
	Contd.....

NATO Advanced Study Institutes Series. Series C; Mathematical and Physical Sci.	01
Nature (London)	02
Newsletters on Stratigraphy	02
Nuclear Tracks and Radiation Measurements	03
Ocean & Shoreline Management	02
Oceanologica Acta	01
Ore Geology Reviews	02
Origins of Life and Evolution of the Biosphere	01
Pacific Rim Congress	01
Pakistan Journal of Scientific and Industrial Research	01
Photonirvachak (Dehra Dun)	10
Physics of the Earth and Planetary Interiors	05
Physics and Chemistry of Minerals	01
Precambrian Research	04
Proceedings of the International Symposium on Remote Sensing of Environment	04
Proceedings - Symposium on Rock Mechanics	02
Proceedings of the Regional Conference for Africa - Soil Mechanics	01
Proceedings of the Indian National Science Academy, Part A: Physical Sciences	03
Proceedings of the Indian Academy of Sciences: Earth and Planetary Sciences	22(9)
Proceedings of the International Dyke Conference	06
Proceedings of the Lunar and Planetary Science Conference	01
Proceedings. Congress of the Council of Mining and Metallurgical Institutions	02
Pure and Applied Geophysics	06
Records of the Geological Survey of India	152(1)
Review of Palaeobotany and Palynology	06
Sedimentary Geolog	03
Soil Science Society of America Journal	01

Contd.....

Soil Dynamics and Earthquake Engineerin	01
Soil Science	02
Soils and Foundations	01
SPE - Society of Petroleum Engineers of AIME	02
Special Publication Series - Geological Survey of India	36 (5)
Studia Geophysica et Geodetica	01
Talanta (Oxford)	01
Technical Programme and Abstracts of Papers - European Association of Exploration	02
Tectonophysics	06
Terra Nova	03
Tertiary Research	01
The International Journal of Radiation Applications and Instrumentation, Part E	07
The Palaeobotanist	11
The Log Analyst	07
Theory and Practice of Applied Geophysics	03
Tunnels and Tunnelling	01
Vijnana Parishad Anusandhan Patrika	02
Water Resources Journa	01
Water, Air and Soil Pollution	02
Zeitschrift fuer Geomorphologie	01
Zeitschrift fuer Kulturtechnik und Landentwicklung	01

TABLE - 18A
TOP 10 PUBLICATIONS WHERE INDIAN EARTH SCIENCE
LITERATURE PUBLISHED (1990)

Source	Total No. of Publications
Records of the Geological Survey of India	152
Abstracts - Indian Geological Congress and National Seminar., 1990	131
Journal of the Geological Society of India	107
Special Publication Series - Geological Survey of India	36
Indian Minerals	36
International Sedimentological Congres	31
Journal of the Indian Society of Soil Science	29
Memoir - Geological Society of India	25
International Congress - International Association of Engineering Geology	25
Proceedings of the Indian Academy of Sciences: Earth and Planetary Sciences	22
Journal of the Palaeontological Society of India	19

It is found from the above table that all the ten publications are published from India. Only the Journal of Geological Society of India has SCI's Impact Factor of 0.355. Rest of the above publication has not covered by SCI.

TABLE - 19

**DISTRIBUTION OF ALL INDIAN EARTH SCIENCE PUBLICATIONS
AND TOP TEN RANKS AS PER SOURCE (1992)**

Source	Total No. of Publications (Rank)
Abstracts of Papers Submitted to the Lunar and Planetary Science Conf.	2
Acta Geophysica Polonica	1
Advances in Space Research	3
Ambio	1
American Water Resources Association Technical Publication Series	5
Analytica Chimica Acta	2
Angewandte Limnologie	1
Ann. Meet. Abst. - Am Ass. of Petrol. Geolog. and Soc. of Asian Environ.	5
Annales Tectonicae	2
ASAE Publication	1
ASTM Geotechnical Testing Journal	3
Atomic Spectroscopy	2
Biographies	2
Bollettino di Geofisica Teorica ed Applicata	1
Bulletin of Environmental Contamination and Toxicology	2
Bulletin of the Indian Society of Earthquake Technology	10
Bulletin of the Seismological Society of America	3
Bureau of Mines Information Circular	1
Canadian Geotechnical Journal = Revue Canadienne de Geotechnique	2
Catena Supplement	1
Chemical Geology	3
Chemie der Erde	2
Clay Research	8
Clay Science	2
CODATA Bulletin	3
Colliery Guard.	1
Comptes Rendus du Cong. Intl. de Mecan. des Sols et des Travaux de Fond.	3
Computers & Geosciences	3
	Contd.....

Contributions to Mineralogy and Petrology	2
Deep-Sea Research. Part A: Oceanographic Research Papers	2
Desertification Control	2
Earth and Planetary Science Letters	1
Earth Surface Processes and Landforms	1
Earth, Moon, and Planets	1
Economic Geology and the Bulletin of the Society of Economic Geologists	2
Economic Paleontologists and Mineralogists	1
Economic Paleontologists and Mineralogists	1
Engineering Geology	2
Environment International	1
Environmental Geology and Water Sciences	2
Eos, Transactions, American Geophysical Union	6
Estuarine, Coastal and Shelf Science	1
Exploration and Research for Atomic minerals	9
Fuel Science and Technology	2
Geobios	1
Geochemical Journal	1
Geoderma	3
Geographical Journal	1
Geographical Review of India	2
GeoJournal	2
Geological Journal	1
<i>Geological Magazine</i>	1
Geology (Boulder)	2
Geo-Marine Letters	3
Geophysical Journal International	3
Geophysical Prospecting	4
Geophysical Research Letters	3
Geophysics	1
Geophytology	20(7)
Geoscience Journal	15(10)
Geostandards Newsletter	1
Geotechnical and Geological Engineering	2
Global and Planetary Change	1
Ground Water	1
Hydrogeology, Selected Papers	1
Hydrological Sciences Journal = Journal des Sciences Hydrologiques	1
IAHS-AISH Publication	1
	Contd.....

Ichnos (Chur, Switzerland)	1
Indian Geotechnical Journal	10
Indian Journal of Geology	13
Indian Journal of Marine Sciences	15(10)
Indian Journal of Petroleum Geology	7
Indian journal of Petroleum Geology	7
Indian Minerals	31(4)
International Conference on Ground Control in Mining	3
<i>International Geological Congress</i>	12
International Journal for Numerical and Analytical Methods in Geomechanics	1
International Journal of Coal Geology	1
International Journal of Coal Geology	8
International Journal of Remote Sensing	7
International sur les Glissements de Terrain	8
Internationale Resumes	4
Irrigation and Power	2
ITC Journal = Bulletin de l'ITC	2
Journal of Arid Environments	3
Journal of Coastal Research	1
Journal of Environmental Hydrology	1
Journal of Geophysical Research, B, Solid Earth and Planets	1
Journal of Geotechnical Engineering	7
Journal of Hydraulic Engineering	1
Journal of Hydraulic Research	1
Journal of Hydrology	7
Journal of Metamorphic Geology	1
Journal of Micropalaeontology	4
Journal of Mines, Metals and Fuels	4
Journal of Petrology	1
Journal of Sedimentary Petrology	1
Journal of Soil Science	1
Journal of Southeast Asian Earth Sciences	6
Journal of Structural Geology	3
Journal of the Geological Society of India	95(2)
Journal of the Geology and Mineral Resources	1
Journal of the Indian Society of Soil Science	40(3)
Journal of the Palaeontological Society of India	1
Journal of the Palaeontological Society of India	5
Journal of Thermal Analysis	1
	Contd.....

Journal of Vertebrate Paleontology	1
JQS. Journal of Quaternary Science	2
Lithos	1
LPI Contribution	1
Marine Geology	5
Marine Micropaleontology	1
Marine Pollution Bulletin	1
Mausam	1
Memoir - Geological Society of India	23(6)
Meteoritics	3
Micropaleontology	2
Mineralium Deposita	1
Mineralogical Journal	1
Mining Magazine	1
Mitteilungen der Versuchsanstalt fuer Wasserbau, Hydrologie und Glaziologie	1
Neues Jahrbuch fuer Geologie und Palaeontologie. Abhandlungen	3
New Scientist	1
Newsletter - Earthquake Engineering Research Institute	1
Newsletters on Stratigraphy	1
O.F.P. Informations	17(8)
Palaeogeography, Palaeoclimatology, Palaeoecology	1
Palaeontographica. Abteilung A: Palaeozoologie-Stratigraphie	2
Palaeontologische Zeitschrift	2
Palaios	1
Petermanns Geographische Mitteilungen	1
Photonirvachak (Dehra Dun)	5
Physics of the Earth and Planetary Interiors	9
Precambrian Research	5
Proceedings - International Symposium on Water-Rock Interaction	1
Proceedings - International Symposium on Water-Rock Interaction	1
Proceedings - International Symposium on Water-Rock Interaction	1
Proceedings - Offshore Technology Conference	1
Proceedings of the Intl Conf. on the Appl. of Stress-Wave Theory to Piles	2
Proceedings of the Indian Academy of Sciences: Earth and Planetary Sci.	11
Proceedings of the Indian National Science Academy, Part A: Phys. Sci.	5
Proceedings of the Indian National Science Academy, Part A: Physical Sci.	1
Proceedings of the International Conference on Basement Tectonics	1
Proceedings of the International Symposium on Landslides	8
Proceedings of the Intl. Conf. on Computational Methods in Water Resources	2
Contd.....	

Proceedings of the Intl. Conf. on Soil Mechanics and Foundation Engg.	3
Proceedings of the Lunar and Planetary Science Conference	1
Proceedings of the World Conf. on Earthquake Engineering	1
Publication - Geology Dept and Extn. Service, Univ. of Western Australia	1
Pure and Applied Geophysics	3
Quaternary Research (New York)	1
Quaternary Science Reviews	1
Records of the Geological Survey of India	291(1)
Review of Palaeobotany and Palynology	2
Revue de Micropaleontologie	1
Revue Roumaine des Sciences Techniques, Serie de Mecanique Appliquee	2
Rivista Italiana di Paleontologia e Stratigrafia	1
Rock Mechanics and Rock Engineering	1
Sedimentary Geology	6
SEG Ann. Meeting	2
Soil Dynamics and Earthquake Engineering	1
Soil Science	3
Soils and Foundations	2
Special Publication Series - Geological Survey of India	30(5)
Tectonophysics	16(9)
Terra Abstracts	1
Terra Nova	1
The Intl J. of Radiation Applica. and Instrument., Part E, Nuclear Geophys.	2
The Log Analyst	1
The NSS Bulletin	1
Theoretical and Applied Limnology	1
Tunnelling and Underground Space Technology	1
Tunnels and Tunnelling	4
Water Resources Research	1
Water Resources Series	3
Water Science and Technology	1
Zentralblatt fuer Geologie und Palaeontologie	2
Zeolites	2

TABLE - 19A

**TOP 10 PUBLICATIONS WHERE INDIAN EARTH SCIENCE
LITERATURE PUBLISHED (1992)**

Source	Total No. of Publications
Records of the Geological Survey of India	291
Journal of the Geological Society of India	95
Journal of the Indian Society of Soil Science	40
Indian Minerals	31
Special Publication Series - Geological Survey of India	30
Memoir - Geological Society of India	23
Geophytology	20
O.F.P. Informations	17
Tectonophysics	16
Indian Journal of Marine Sciences	15
Geoscience Journal	15

It is observed that the Journal of the Geological Society of India which is published from India and has SCI's IF of 0.355 and also one more Indian journal i.e Indian Journal of Marine Sciences which has SCI's IF value of 0.123. During 1992, there are about 3 foreign publications where Indian earth science literature has been reported.

TABLE - 20

**DISTRIBUTION OF ALL INDIAN EARTH SCIENCE PUBLICATIONS
AND TOP TEN RANKS AS PER SOURCE (1994)**

Source	Total No. of Publications (Rank)
AAPG Bulletin	4
Abstracts of the ... General Meeting of the International Mineralogical Association	1
Acta Geodaetica et Geophysica Hungarica	1
Advances in Water Resources	1
Agricultural Water management	1
AGSO Journal of Australian Geology and Geophysics	1
Analyst (London)	1
Applied Clay Science	2
Biographies	3
Bulletin of the Indian Society of Earthquake Technology	1
Byulletin	2
Canadian Geotechnical Journal = Revue Canadienne de Geotechnique	1
Chemical Geology	5
Chemie der Erde	2
Chemosphere	2
Clays and Clay Minerals	1
Comunicaciones de las ... Jornadas de Paleontologia	1
Communications in Soil Science and Plant Analysis	1
Computers & Geosciences	6
Congres International - Association International de Geologie de L'Ingennieur	6
Contaminants and Agricultural Wastes	3
Continental Shelf Research	4
Contributions to Mineralogy and Petrology	1
Cretaceous Research	2
Earth and Planetary Science Letters	7
Earth-Science Reviews	1
Engineering Geology	3
Environment and Ecology	2
Environmental Geology	6
Environmental Monitoring and Assessment	2
Environmental Sci. & Engg.	1
Environmental Technology	1
	Contd.....

Eos, Transactions, American Geophysical Union	4
Estuarine, Coastal and Shelf Science	1
Exploration Geophysics	2
Ganko = Journal of Mineralogy, Petrology and Economic Geology	1
Geobios	2
Geochemical Journal	1
Geochimica et Cosmochimica Acta	2
Geoderma	1
GeoJournal	1
Geology (Boulder)	9
Geomorphology	1
Geophysical Journal International	3
Geophysical Monograph	1
Geophysical Prospecting	2
Geophysical Research Letters	4
Geophysical Transactions	2
Geophysics	3
<i>Geophytology</i>	2
Geoscience Journal	14(8)
Geotechnical and Geological Engineering	2
Gondwana Dispersion and Asian Accretion - Intl. Symp. and Field Excursion	2
Ground Water	1
Hydrological Processes	2
Hydrological Sciences Journal = Journal des Sciences Hydrologiques	3
IAHS-AISH Publication	2
Indian Geotechnical Journal	15(7)
Indian Journal of Geology	17(5)
<i>Indian Journal of Marine Sciences</i>	3
Indian Journal of Petroleum Geology	13(9)
Indian Minerals	20(3)
Institution of Mining and Metallurgy, Transactions, Section A:	1
International Congress - International Association of Engineering Geology - 7	8
International Journal of Coal Geology	5
International Journal of Remote Sensing	3
International J. of Rock Mechanics and Min. Sci. & Geomechanics Abst.	8
International Sedimentological Congress	8
<i>Irrigation and Power</i>	5
Journal of the Indian Society for Soil Science	18(4)

Contd.....

Journal Hydraulic Engineering	3
Journal of Applied Geophysics	2
Journal of Applied hydrology	5
Journal of Chemical Technology and Biotechnology	1
Journal of Environmental Science and Health, Part B: Pesticides, Food	3
Journal of Environmental Science and Health, Part A:	1
Journal of Geotechnical Engineering	16(6)
Journal of Himalayan Geology	9
Journal of Hydrology	4
Journal of Metamorphic Geology	1
Journal of Mines, Metals and Fuels	4
Journal of Paleontology	2
Journal of Petrology	1
Journal of Physics of the Earth	1
Journal of Sedimentary Research, Section A: Sedimentary	1
Journal of Southeast Asian Earth Sciences	1
Journal of Structural Geology	1
Journal of the Geological Society of India	113(1)
Journal of the Palaeontological Society of India	10(10)
Journal of Vertebrate Paleontology	1
Journal Radioanalytical and Nuclear Chemistry	2
LPI Contribution	1
Marine and Petroleum Geology	1
Marine Chemistry	5
Marine Geodesy	1
Marine Geology	9
Marine Geophysical Researches	1
Marine Georesources & Geotechnology	4
Meteoritics	1
Micropaleontology	2
Mineralogical Magazine	2
Mineralogy and Petrology	1
National Science Museum Monographs	1
Neues Jahrbuch fuer Geologie und Palaeontologie Abhandlungen	4
Newsletters on Stratigraphy	1
Nuclear Geophysics	3
Organic Geochemistry	5
Origins of Life and Evolution of the Biosphere	1
Palaeogeography, Palaeoclimatology, Palaeoecology	1

Contd.....

Palaeontographica. Abteilung B: Palaeophytologie	1
Photogrammetry and Remote Sensing	1
Photonirwachak	2
Physics of the Earth and Planetary Interior	3
Precambrian Research	5
Proceedings of the Indian Acad. of Sciences: Earth and Planetary Sciences	10(10)
Proceedings of the New Zealand Geothermal Workshop	1
Proceedings of the Thematic Conference on Geologic Remote Sensing	7
Proceedings of the Thematic Conference on Remote Sensing for Marine	1
Program and Abstracts; Biennial Pan-Am. Conf. on Research on Fluid	2
Program with Abstracts - Geological Association of Canada	2
Pure and Applied Geophysics	2
Quaternary Science Reviews	1
Quaternary Research (New York)	1
Radiocarbon	1
Remote Sensing Reviews	1
Report of the Natl. Res. Inst. for Earth Science and Disaster Prevention	1
Review of Palaeobotany and Palynology	1
Revista Espanola de Micropaeontologia	1
Sciences	6
Sedimentary Geology	3
SEG Annual Meeting Expanded TEchnical Program with abstracts	34(2)
Soil Science	2
Soils and Foundations	1
Suomen Akatemian Julkaisuja = Publication of the Academy of Finland	2
Tectonophysics	3
Terra Nova	4
Tertiary Research	1
The Palaeobotanist	1
Tunnelling and underground Space Technology	1
U. S. Geological Survey Circular	3
Water Research	1
Water Resources Management	3
Water Science and Technology Library	1
Water, Air and Soil Pollution	1
Zeitschrift fuer Angewandte Geologie	1
Zeitschrift fuer Pflanzenernaehrung und Bodenkunde	1

TABLE - 20A
TOP 10 PUBLICATIONS WHERE INDIAN EARTH SCIENCE
LITERATURE PUBLISHED (1994)

Source	Total No. of Publications
Journal of the Geological Society of India	113
SEG Annual Meeting Expanded Technical Program with abstracts	34
Indian Minerals	20
Journal of the Indian Society for Soil Science	18
Indian Journal of Geology	17
Journal of Geotechnical Engineering	16
Indian Geotechnical Journal	15
Geoscience Journal	14
Indian Journal of Petroleum Geology	13
Proceedings of the Indian Acad. of Sciences: Earth and Planetary Sciences	10
Journal of the Palaeontological Society of India	10

It is again found that all the above 10 publications are published from India and the Journal of Geological Society of India is the only journal which has SCI's IF value of 0.355.

SUBJECT (CATEGORY CODE) VS. COUNTRY-WISE DISTRIBUTION OF PUBLICATIONS

It is found from the Table -21 that during the year 1990, USA is on the top list by contributing maximum number of publications in each and every subject category. India is contributed to some extent more publications in the area of Igneous and Metamorphic petrology(05A) (153 publications) in comparison with other countries like Italy (73), France (21), Australia (12), Netherlands (20 and Korea (1). In the area of Sedimentary Petrology (06A), India's contribution(87) is almost equal to countries like Russia(89), and crossed Japan(73). In the area of Stratigraphy(12) (112 publications), India is on the lead in comparison with countries like Italy (66) and Netherlands (42). India contributed 136 publications in the area of Applied Geophysics (20)which is equivalent to Japan (147), Germany (144) and France(144). In the area of Economic Geology(27A), India contributed 122 publications which is also more than UK(77), Japan (55) and Germany(101). Also, in the area of Engineering Geology(30), India's contribution is equivalent to Australia (94) and more than Italy (77) and Germany (78). Similar trends have been observed for the years 1992 & 1994.

Tables 21, 22 & 23 presents Category vs Country-wise distribution of publications published during the year 1990, 1992 & 1994 respectively.

TABLE- 21
CATEGORY vs COUNTRY-WISE DISTRIBUTION OF PUBLICATIONS (1990)

C.at.IND Code	USA	UK	RUS	CHIN	JAP	CAN	ITAL	GER	FRA	AUST	NET	KOR	WORLD	
01A	2	91	0	12	9	11	24	2	26	14	12	0	0	343
01B	11	237	0	73	30	77	40	21	44	36	21	7	0	822
01C	8	164	0	68	32	19	40	6	30	25	21	3	0	629
02A	14	500	61	54	37	45	79	11	41	62	14	10	0	1,194
02B	12	459	49	64	21	39	47	15	31	49	83	21	2	1,147
02C	70	1,077	144	247	126	96	219	24	121	134	97	49	3	3,425
02D	23	950	128	95	82	116	159	27	114	104	98	12	0	2,362
3	28	590	118	49	92	98	221	23	63	32	14	13	1	1,829
4	4	928	38	55	5	26	8	4	37	206	161	4	0	1,301
05A	153	1,694	288	326	230	265	403	73	169	21	12	20	1	5,326
05B	10	341	24	58	7	73	8	3	40	147	83	1	0	668
06A	87	1,277	303	89	173	73	245	32	128	11	11	46	7	3,619
06B	16	109	9	12	19	4	27	1	26	125	30	2	0	359
7	49	1,007	120	125	56	78	139	42	170	16	10	30	15	2,460
8	4	143	61	6	9	2	15	1	21	29	15	0	0	400
9	28	167	63	12	20	8	19	7	34	81	19	9	0	588
10	25	356	102	95	45	30	46	18	74	68	36	6	1	1,316
11	13	433	44	24	17	9	42	16	39	242	134	3	0	1,170
12	112	2,115	326	254	295	126	273	66	179	5	12	42	5	5,875
13	9	119	13	9	5	3	17	5	14	9	9	2	0	571
15	4	433	30	16	37	2	27	1	19	316	112	2	0	941
16	97	1,777	259	188	229	78	360	1	138	169	92	33	2	4,940
18	41	1,202	162	227	125	225	198	85	94	53	25	18	5	3,234
19	28	1,031	76	148	261	263	45	46	28	171	124	12	4	2,680
20	136	1,443	251	349	298	147	283	41	144	144	77	73	4	5,385
21	77	2,005	131	103	187	127	162	53	118	67	29	50	1	4,913
22	29	1,266	115	69	64	45	118	51	96	66	35	16	1	3,035
23	22	514	120	99	68	52	73	37	47	124	63	10	2	1,767
24	23	1,183	272	72	91	160	312	25	122	44	37	37	0	3,268
25	45	382	56	42	42	23	59	34	47	9	33	34	0	1,248
26A	14	102	22	49	65	10	46	5	21	1	0	4	0	936
26B	5	13	0	1	39	0	11	2	4	75	464	0	0	134
27A	122	626	77	251	361	55	483	0	101	7	0	6	1	4,022
28A	35	151	15	79	44	5	3	2	19	1	39	3	3	780
28B	3	22	5	2	6	0	42	9	2	96	8	0	0	66
29A	71	1,571	173	403	249	55	1	0	54	0	88	37	4	4,536
29B	2	36	2	12	4	6	211	0	6	0	1	2	0	109
30	90	1,508	221	258	324	258	5	77	78	105	94	60	6	4,885

In 1990, India highest contribution are of 05A - Igneous and Metamerphic Petrology (112 nos.) and the lowest are in the area of 29B - Economic Geology (2 nos.) where as the world highest contribution are in the area of 12 - Stratigraphy (5875 nos.) and the lowest in 28B - Economy Geology (66 nos.)

TABLE - 21A
COUNTRY AND AREA-WISE (HIGHEST AND LOWEST)
CONTRIBUTIONS TO EARTH SCIENCE LITERATURE DURING 1990

Country	Areas of Research		Nil
	Highest	Lowest	
World	12	28B	-
India	05A	01A & 29B	-
USA	12	26B	-
UK	12	29B	01A, 01B, 01C & 26B
Russia	29A	26B	-
China	27A	29B	-
Japan	05A	8 & 15	26B & 28B
Canada	27A	29A	-
Italy	18	06B & 8	29A & 29B
Germany	12	28B	-
France	11	28B	-
Australia	26B	29B	26A & 27A
Netherlands	20	05B	01A, 8, 26B & 28B

In comparision, the highest contribution to earth sciences literature are in the areas of 12 followed by 27A and 05A. 28B is the least contributory area followed by 26B and 29B.

TABLE - 22

CATEGORY vs COUNTRY-WISE DISTRIBUTION OF PUBLICATIONS (1992)

C.at.IND Code	USA	UK	RUS	CHIN	JAP	CAN	ITAL	GER	FRA	AUST	NET	KOR	WORLD	
01A	4	87	10	6	15	17	24	3	20	7	0	2	0	353
01B	5	212	41	19	62	48	32	15	49	71	8	9	0	757
01C	4	125	33	24	47	18	30	10	29	24	14	5	0	538
02A	10	326	48	11	55	47	40	5	37	60	13	9	0	946
02B	7	472	29	20	22	24	34	12	51	19	13	1	7	910
02C	45	962	128	106	175	100	195	28	102	175	98	35	4	3,162
02D	16	674	123	40	73	69	136	22	74	161	50	9	3	2,081
3	8	472	76	19	72	94	148	14	52	98	66	7	0	1,571
4	1	863	31	37	0	11	6	3	27	27	12	1	0	1,205
05A	80	2,352	237	181	238	214	330	64	150	400	166	12	5	5,261
05B	8	254	36	27	20	33	6	3	47	21	11	3	0	573
06A	50	1,107	154	21	133	83	228	23	82	108	60	23	9	2,955
06B	12	86	7	2	6	17	1	8	3	3	10	3	0	272
7	34	560	82	52	68	89	85	24	63	88	25	13	5	1,652
8	5	111	28	1	6	5	8	3	9	6	9	0	1	337
9	46	143	44	11	33	14	30	3	34	49	23	6	0	617
10	12	363	73	12	47	39	25	14	75	67	16	4	0	1,140
11	8	422	34	2	22	20	38	19	35	95	21	12	0	1,070
12	63	1,696	233	84	223	171	251	55	125	238	112	37	5	5,058
13	19	88	7	4	4	10	32	1	9	7	8	0	1	507
15	8	344	35	2	21	8	33	3	20	21	6	7	1	880
16	62	1,608	168	74	253	117	325	57	83	330	131	29	2	4,941
18	37	974	146	112	119	131	164	29	70	282	58	27	0	3,036
19	44	802	41	61	226	229	55	56	30	70	13	9	1	2,412
20	91	1,327	181	113	240	134	348	41	89	166	59	58	6	4,466
21	52	1,363	143	27	140	100	142	39	134	90	69	33	4	4,072
22	33	1,812	94	42	72	58	153	37	105	55	39	36	4	3,880
23	20	414	65	111	54	29	59	13	23	56	43	10	0	1,364
24	49	1,030	169	33	95	118	258	46	72	195	43	27	1	3,136
25	54	219	27	32	15	25	54	6	26	45	43	25	2	1,035
26A	5	135	28	14	48	13	78	4	13	9	12	1	0	753
26B	3	6	1	1	27	2	1	0	10	0	1	0	0	83
27A	104	427	77	167	427	84	292	10	53	47	128	4	14	3,145
28A	11	121	17	37	43	8	47	6	18	13	35	1	0	742
28B	0	65	0	0	5	3	1	0	0	0	1	0	0	89
29A	27	1,384	149	171	252	81	206	21	44	72	127	25	4	4,083
29B	0	58	1	4	5	3	1	1	3	0	2	1	0	132
30	183	1,404	184	32	225	250	333	64	47	336	120	40	12	4,374

TABLE - 22A
COUNTRY AND AREA-WISE (HIGHEST AND LOWEST)
CONTRIBUTIONS TO EARTH SCIENCE LITERATURE DURING 1992

Country	Areas of Research		Nil
	Highest	Lowest	
World	05A	26B	-
India	30	4	29B
USA	05A	26B	-
UK	05A	26B & 29B	28B
Russia	05A	26B	28B
China	27A	13	4
Japan	19	26B	-
Canada	20	06B, 26B & 28B	-
Italy	05A	13 & 29B	26B
Germany	05A	29B	28B
France	05A	06B	26B, 28B & 29B
Australia	05A	26B & 28B	01A
Netherlands	30	02B, 4 26A	8, 13 & 26B

In comparison, almost all countries have contributed in highest in number in the area of 05A. India and Netherlands have contributed highest in number in the area of 30. 26B is the lowest contributory area and 28B has no contribution in the world earth science literature produced by many countries.

Table - 23

CATEGORY vs COUNTRY-WISE DISTRIBUTION OF PUBLICATIONS (1994)

C.at.IND Code	USA	UK	RUS	CHIN	JAP	CAN	ITAL	GER	FRA	AUST	NET	KOR	WORLD	
01A	3	99	19	22	16	18	28	1	25	11	0	2	0	430
01B	5	242	51	25	66	60	39	21	57	69	12	9	0	999
01C	4	151	32	30	60	25	46	9	29	19	12	4	0	688
02A	7	343	62	10	71	48	36	19	37	56	12	9	0	746
02B	10	272	44	23	31	34	33	19	54	28	13	13	1	921
02C	50	613	137	81	94	90	148	33	95	110	61	21	1	2,488
02D	21	772	166	43	67	76	125	25	95	92	66	10	5	1,988
3	22	520	93	21	33	13	25	8	25	19	24	5	2	1,501
4	0	591	23	19	2	13	7	8	16	21	4	3	0	812
05A	63	1,385	265	174	514	242	345	113	186	194	145	16	16	4,697
05B	3	232	18	20	3	56	11	6	25	7	5	2	0	358
06A	35	1,021	191	42	108	57	154	31	79	78	44	29	4	2,609
06B	8	89	6	6	17	6	25	0	9	3	11	3	0	280
7	33	613	97	35	18	77	75	10	68	67	19	9	22	1,429
8	3	92	16	2	1	2	8	1	12	5	1	2	0	241
9	9	63	19	3	10	8	7	3	13	13	8	7	0	263
10	12	281	71	62	12	34	42	13	55	37	17	5	1	899
11	5	444	55	9	14	27	43	4	35	79	11	10	0	993
12	43	1,701	250	67	120	89	196	75	104	158	87	43	13	4,248
13	2	87	7	1	2	4	14	4	3	6	5	0	0	216
15	0	78	5	1	5	2	16	0	1	4	10	0	0	679
16	25	1,662	194	52	189	108	321	62	80	163	147	35	13	4,143
18	21	1,285	167	102	106	142	161	43	103	181	77	35	9	3,026
19	15	1,078	29	60	139	141	52	47	35	56	21	3	1	2,259
20	60	1,285	196	67	147	145	283	86	120	166	110	60	27	3,938
21	47	1,482	125	26	73	95	139	41	63	64	63	35	3	3,831
22	39	2,393	130	67	42	56	257	46	141	74	61	52	8	5,691
23	11	499	64	20	18	37	46	14	14	29	54	10	1	1,194
24	22	1,281	180	50	67	151	246	52	92	121	68	29	4	3,269
25	25	266	25	49	13	12	36	9	49	34	60	27	0	948
26A	3	97	14	12	8	5	27	2	14	0	38	2	0	540
26B	1	13	1	7	1	0	0	0	2	0	0	0	2	52
27A	29	302	34	118	202	53	230	10	49	31	187	9	5	2,221
28A	7	51	16	23	17	13	17	4	11	4	11	0	8	239
28B	0	3	0	0	2	9	0	0	0	0	0	0	0	29
29A	29	1,303	218	51	140	58	130	7	30	72	57	14	6	3,280
29B	1	52	5	1	9	1	5	1	0	3	0	1	1	138
30	60	723	123	44	135	189	143	61	36	74	53	17	10	2,795

TABLE - 23A

COUNTRY AND AREA-WISE (HIGHEST AND LOWEST) CONTRIBUTIONS TO EARTH SCIENCE LITERATURE DURING 1994

Country	Areas of Research		Nil
	Highest	Lowest	
World	05A	26B	-
India	05A	26B & 29b	4, 15 & 28B
USA	22	28B	-
UK	05A	26B	-
Russia	05A	13, 15 & 29B	28B
China	05A	8 & 26B	-
Japan	05A	29B	26B
Canada	05A	29B	26B & 28B
Italy	05A	8 & 29B	06B, 15 & 26B
Germany	05A	15	28B & 29B
France	05A	06B	26A & 26B
Australia	27A	8	01A, 06B & 29B
Netherlands	20	29B	26B, 28B & 29A

It is observed that worlds largest contributed area during 1994 was 05A, so as the case in other countries. However USA has contributed in the area of 22, Australia in the area of 27A and Netherlands in the area of 20. Lowest contributed areas among all the countries are 26B, 28B and 29B. There are no contribution in the areas like 26B, 28B and 29B.

INTERNATIONAL STANDRD SERIAL NUMBER (ISSN) AND SERIAL-WISE DISTRIBUTION OF ALLINDIAN EARTH SCIENCE PUBLICATIONS (1990, 1992 & 1994).

Table - 24 presents International Standard Serial Number, Title of the Serials and total number of publications published during the years 1990, 1992 & 1994 of all Indian earth science publications. The table arranged as per the ISSN.

TABLE - 24

**ISSN AND SERIAL-WISE DISTRIBUTION OF
ALL INDIAN EARTH SCIENCE PUBLICATIONS
(1990, 1992 & 1994)**

ISSN	Title of the Serial	1990	1992	1994
0001-5725	Acta Geophysica Polonica	-	01	-
0003-2654	Analyst	01		
0003-2670	Analytica Chimica Acta	-	02	-
0006-6729	Bollettino di Geofisica Teorica ed Appl.	-	01	-
0007-4861	Bull. of Environ. Contamin. and Toxicol.	-	02	-
0008-3674	Canadian Geotechnical Journal	01	02	01
0009-2541	Chemical Geology	03	02	05
0009-2819	Chemie der Erde	-	01	01
0009-8574	Clay Science	-	02	-
0009-8604	Clays and Clay Minerals	01	-	01
0010-1281	Colliery Guardian	-	01	-
0010-3624	Comm in Soil Sci. and Plant Analysis	-	-	-1
0010-7999	Contr. to Mineralogy and Petrology	01	02	01
0012-821X	Earth and Planetary Science Letters	01	01	07
0012-8252	Earth-Science Reviews	-	-	01
0013-7952	Engineering Geology	01	02	03
0016-2361	Fuel (Guildford)	03	-	-
0016-6995	Geobios; Geobios, Memoire Special	-	01	-
0016-7002	Geochemical Journal	-	01	01
0016-7037	Geochimica et Cosmochimica Acta	01	-	-
0016-7061	Geoderma	02	03	01
0016-7177	Geophysical Transactions	-	-	02
0016-7398	Geographical Journal	-	09	-
0016-7568	Geological Magazine	-	01	-
0016-7592	Abst. with Program. - Geol. Soc. of Am.	01	-	-
0016-7622	Journal of the Geological Society of India	107	95	46
0016-7649	Journal of the Geological Society of London	-	01	-
0016-7738	Geologica Carpathica	01	-	-
0016-7835	Geologische Rundschau	01	-	-
0016-8025	Geophysical Prospecting	02	04	01
0016-8033	Geophysics	03	01	03
0016-8505	Geotechnique	02	-	-
0016-8696	Gerlands Beitrage zur Geophysik	09	-	-
0017-3134	Grana	01	-	-

Contd.....

0019-5936	Indian Minerals	36	31	32
0019-6371	Bull. of the Indian Soc. of Earthquake Techn.	16	10	01
0019-638X	Journal of the Indian Society of Soil Science	01	-	-
0022-1120	Journal of Fluid Mechanics	01	-	-
0022-1376	Journal of Geology	01	-	-
0022-1686	Journal of Hydraulic Research	01	01	-
0022-1694	Journal of Hydrology	09	07	04
0022-2755	Journal of Mines, Metals and Fuels	08	03	02
0022-3360	Journal of Petrology	-	-	01
0022-3379	Journal of Palynology	03	-	-
0022-3530	Journal of Environ. Sci. and Health, Part A	01	01	01
0022-3743	Journal of Physics of the Earth	-	-	09
0022-4472	Journal of Sedimentary Petrology	01	01	-
0022-4588	European Journal of Soil Science	-	01	-
0024-4937	Lithos	-	01	-
0024-581X	The Log Analyst	01	01	-
0025-3227	Marine Geology	10	05	01
0025-3235	Marine Geophysical Researches	-	-	01
0025-326X	Marine Pollution Bulletin	01	-	-
0026-1114	Meteoritics	01	03	02
0026-2803	Micropaleontology	01	-	02
0026-4598	Mineralium Deposita	01	01	-
0026-461X	Mineralogical Magazine	03	-	01
0026-7775	Modern Geology	02	-	-
0028-0836	Nature	02	-	-
0028-3649	Neues Jahrbuch fur Mineralogie. Monatshefte	-	02	01
0030-9885	Pakistan J. of Sci. and Industrial Res.	01	-	-
0031-0174	The Palaeobotanist	11	-	04
0031-0182	Palaeogeog., Palaeoclimat., Palaeoecol.; Global	-	01	02
0031-0220	Palaontologische Zeitschrift	-	02	-
0031-6229	Petermanns Geographische Mitteilungen	-	01	-
0031-9201	Physics of the Earth and Planetary Interiors	05	10	03
0033-4553	Pure and Applied Geophysics	06	03	02
0033-5894	Quaternary Research	-	01	01
0033-8222	Radiocarbon	-	-	01
0034-6667	Review of Palaeobotany and Palynology	06	02	01
0035-1598	Revue de Micropaleontologie	-	01	-
0035-4074	Revue Roum. des Sci. Techn., Ser. de Mecan. App.	-	01	-
0035-6883	Rivista Italiana di Paleontologia e Stratigrafia	-	01	-

Contd.....

0037-0738	Sedimentary Geology	03	06	03
0037-0746	Sedimentology	-	01	-
0037-1106	Bulletin of the Seismological Society of America	01	01	-
0038-075X	Soil Science	01	03	02
0038-0806	Soils and Foundations	01	02	01
0039-3169	Studia Geophysica et Geodetica	01	-	-
0039-9140	Talanta	01	-	-
0040-1951	Tectonophysics	06	15	03
0041-414X	Tunnels and Tunnelling	01	01	-
0043-1354	Water Research	-	-	01
0043-1397	Water Resources Research	-	01	02
0044-2259	Zeitschrift fur Angewandte Geologie	-	-	01
0044-3263	Zeitschrift fur Pflanz. und Bodenkunde	-	-	01
0044-7447	Ambios	-	01	-
0045-6535	Chemosphere (Oxford)	01	-	01
0046-5828	Geotechnical Engineering	01	-	-
0046-8983	Indian Geotechnical Journal	11	10	15
0049-6979	Water, Air and Soil Pollution	02	-	01
0065-7727	American Chem.Soc., National Meeting	-	01	-
0065-8448	Geophysical Monograph	-	-	01
0072-1050	Geological Journal	02	01	-
0073-6600	Proc. of the Ind. National Sci. Acad., Part B	-	01	-
0074-1612	Bull. of the Intl. Ass. of Engg. Geology	01	-	-
0077-7749	Neues Jahrbuch fur Geologie und Palaontol.	-	01	02
0077-7757	Neues Jahrbuch fur Mineralogie. Abhandlungen	-	-	01
0078-0421	Newsletters on Stratigraphy	02	01	01
0082-8130	Water Resources Series	-	03	-
0084-1560	Proc. of the World Conf. on Earthquake Engg.	-	01	-
0091-7613	Geology (Boulder)	01	02	03
0094-0038	Annual Meet. American Ass. of Petr. Geolog.	-	02	-
0094-8276	Geophysical Research Letters	01	03	04
0096-1914	Bureau of Mines Information Circular	-	01	-
0096-3941	Eos, Transactions, American Geophysical Union	-	04	04
0096-4581	Bull. - New Mexico Bur. of Mines & Mineral Res.	01	-	-
0098-3004	Computers & Geosciences	08	03	06
0099-0094	Environmental Geology	03	02	-
0111-6835	Proc. of the New Zealand Geothermal Workshop	-	-	01
0116-2993	Asian Environment	-	04	-
0140-1963	Journal of Arid Environments	-	03	-

Contd.....

0143-1161	International Journal of Remote Sensing	03	07	03
0144-2449	Zeolites	-	02	-
0144-7815	IAHS-AISH Publication	06	01	03
0146-6380	Organic Geochemistry	-	-	05
0148-9062	Intl. of Rock Mech. and Mining Sci.& Geomech.	-	01	-
0149-0419	Marine Geodesy	01	-	01
0149-1423	AAPG Bulletin	02	-	03
0149-6115	ASTM Geotechnical Testing Journal	02	03	-
0150-5505	Geostandards Newsletter	-	01	-
0156-9287	Publ. - Geology Dept. and Extn. Service, Univ. of West.Australia	-	01	-
0160-3663	Proceedings - Offshore Technology Conference	-	01	-
0160-4120	Environment International	-	01	-
0161-5297	LPI Contribution	-	01	01
0165-232X	Cold Regions Science and Technology	01	-	-
0166-2635	Developments in Precambrian Geology	16	-	-
0166-5162	International Journal of Coal Geology	07	09	05
0167-6369	Environmental Monitoring and Assessment	-	-	02
0167-9295	Earth, Moon, and Planets	-	01	-
0168-9622	Chemical Geology; Isotope Geoscience	-	01	-
0169-1317	Applied Clay Science	-	-	02
0169-1368	Ore Geology Reviews	02	-	-
0169-555X	Geomorphology	01	-	01
0169-6149	Origins of Life and Evolution of the Biosphere	01	-	01
0191-278X	Intl. J. of Radiation Appl. and Instrument., Part D	03	-	-
0191-8141	Journal of Structural Geology	-	03	01
0195-5373	Atomic Spectroscopy	02	02	-
0195-6671	Cretaceous Research	01	-	04
0196-2892	IEEE Transactions on Geosci. and Remote Sensing	01	-	-
0197-1662	ASAE Publication	-	01	-
0197-9337	Earth Surface Processes and Landforms	-	01	-
0198-0149	Deep-Sea Research	02	02	-
0236-5731	Journal of Radioanalytical and Nuclear Chemistry	-	-	04
0252-1970	Geoscience Journal	13	14	17
0252-9416	Mausam	01	01	-
0253-4126	Proc. of Indian Acad. of Sci.: Earth and Planet. Sci.	22	11	14
0254-0436	Geological Survey of India - Special Public. Series	36	30	-
0254-2560	Tech. Program and Abst. of Papers	02	-	-
0254-3567	Fuel Science and Technology	02	02	-

Contd.....

0255-660X	Photonirvachak (Dehra Dun)	10	05	02
0255-7193	Clay Research	06	08	-
0258-7610	Proc. Intl. Symp. on Water Rock Mechanics	-	03	-
0262-4079	New Scientist	-	01	-
0262-6667	Hydrological Sciences Journal	-	01	03
0262-821X	Journal of Micropalaeontology	-	01	-
0263-4929	Journal of Metamorphic Geology	02	01	02
0264-3707	Journal of Geodynamics	02	-	-
0264-8172	Marine and Petroleum Geology	-	-	01
0267-7261	Soil Dynamics and Earthquake Engineering	01	01	-
0267-8179	JQS. Journal of Quaternary Science	-	02	-
0270-5427	Proc. of the Intl. Conf. on Basement Tectonics	-	01	-
0270-8337	Newsletter - Earthquake Engineering Research Inst.	-	01	-
0270-9511	Proceedings of the Lunar and Planetary Sci. Conf.	01	01	-
0271-8529	AAPG Memoir	-	-	01
0272-4634	Journal of Vertebrate Paleontology	-	01	01
0272-7714	Estuarine, Coastal and Shelf Science	-	01	01
0273-1177	Advances in Space Research	-	03	-
0273-1223	Water Science and Technology	-	01	-
0275-5505	Proc. of the Intl. Symp. on Remote Sensing of Env.	04	-	-
0275-7257	Remote Sensing Reviews	-	-	01
0276-0460	Geo-Marine Letters	02	01	-
0276-4741	Mountain Research and Development	01	-	-
0277-3791	Quaternary Science Reviews	-	01	01
0277-8068	J. of Crystallographic and Spectroscopic Research	01	-	-
0278-4343	Continental Shelf Research	01	-	04
0293-843X	Geobios, Memoire Special; Geobios	-	05	-
0299-9765	O.F.P. Informations	-	17	-
0301-9268	Precambrian Research	04	06	05
0303-2434	TC Journal	01	02	-
0304-4203	Marine Chemistry	02	-	05
0305-8719	Geological Society Special Publications	02	-	-
0308-6631	Mining Magazine (London)	-	01	-
0308-9649	Tertiary Research; Tertiary Research Special Paper	01	-	01
0309-1708	Advances in Water Resources	-	-	01
0309-1929	Geophysical and Astrophysical Fluid Dynamics	01	-	-
0342-1791	Physics and Chemistry of Minerals	01	-	-
0343-2521	GeoJournal; GeoJournal. Supplementary Issues	-	01	02
0358-9153	Publication of the Academy of Finland	-	-	02

Contd.....

0360-1226	Journal of Environmental Science and Health. Part A	-	-	01
0360-1234	Journal of Environmental Science and Health. Part B	-	-	06
0360-8867	Marine Geotechnology	01	-	-
0361-0128	Economic Geology and the Bull.	-	02	-
0361-5995	Soil Science Society of America Journal	01	-	-
0363-9061	Intl. J. for Numer. and Analyt. Methods in Geomech.	-	01	-
0364-6017	U. S. Geological Survey Circular	01	-	03
0366-757X	CODATA Bulletin	-	03	-
0367-4290	Geologicheskii Zhurnal	01	-	-
0367-9993	Irrigation and Power	04	02	05
0368-0770	Proc.- Intl. Assoc. of Theoret. and Appl. Limnology	-	01	-
0368-4466	Journal of Thermal Analysis	-	01	-
0370-0046	Proc. Indian Natl Sci. Academy, Part A	03	05	02
0370-5226	Records of the Geological Survey of India	154	292	-
0371-7844	Trans. of the Inst. of Mining and Metall., Sec. B	01	-	01
0372-8854	Zeitschrift fur Geomorphologie	01	-	-
0374-0056	Mitteil. der Versuch. fur Wasserbau, Hydrol. und Glaziol.	-	01	-
0375-0299	Palaeontographica. Abteilung B: Palaophytologie	-	01	01
0375-0442	Palaeontographica. Abteilung A	-	01	-
0375-6386	Geographical Review of India	-	02	-
0376-5156	Geophytology	15	02	04
0377-0273	Journal of Volcanology and Geothermal Research	01	-	-
0377-2071	NATO ASI Series. Series C: Math. and Phys. Sci.	01	-	-
0377-8053	Water Resources journal	01	-	-
0377-8398	Marine Micropaleontology	01	01	-
0378-3774	Agricultural Water Management	-	-	02
0379-2455	Desertification Control	-	02	-
0379-5098	Bull. Indian Geologist's Associationm	04	-	-
0379-5136	Indian Journal of Marine Sciences	14	01	03
0394-5596	Annales Tectonicae	-	40	-
0399-1784	Oceanologica Acta	01	-	-
0435-4001	Memoir Geological Society of India	25	23	-
0486-2791	Proc. Reg. Conf. for Ag. Soil Mech. & Found. Engg.	01	-	-
0505-5806	Vignana Parishad Anusandhan Patrika	02	-	-
0537-0094	Bull. of ONGC	11	-	-
0544-2540	Mineralogical Journal	01	01	-
0548-1228	Proc. & Infn. Comm. for Hydr. Research T.N.O	01	-	-
0552-9360	Journal of the Paleontological Soc. of India	20	06	10

Contd.....

0560-642X	Soc. of Petrol. Engrs. of AIME.	02	-	-
0569-8103	Journal of Waterway, Port	01	-	-
0579-6733	Memoirs - Intl. Assoc. of Hydrologists	01	-	-
0586-3031	Proc. & Symp. Rock Mechanics	01	-	-
0701-8738	Prog. with Abstracts - Geol. Ass. Canada	-	-	02
0722-0723	Catena Suppl.	-	01	-
0723-2632	Rock Mechanics and Rock Engg.	01	-	-
0729-011X	Abstracts - Geological Soc. of Australia	01	-	-
0730-966X	LPI - Tecnical Report	02	-	-
0731-9789	American Water Resouirces Assoc. TPS	-	05	-
0733-9410	Journal of Geotechnical Engineering	05	07	04
0733-9429	Journal of Hydraulic Engineering	-	01	-
0733-9437	Journal of Irrigation and Drainage Engineering	01	-	06
0743-9547	Journal of South East Asian Earth Sciences	-	06	-
0749-0208	Journal of Coastal Research	01	01	-
0812-3985	Exploration Geophysics	01	-	02
0853-9634	Journal of Geology and Mineral Resources	-	01	-
0882-8121	Mathematical Geology	03	-	-
0883-1351	Palaios	-	01	-
0885-3401	Journal Geophysical Research B	-	0	-
0885-6087	Hydrological Processes	01	-	02
0886-0130	Nuclear Geophysics	07	02	-
0886-7798	Tunneling and Underground Space Technology	-	01	02
0887-686X	Hydrological Science and Technology	01	-	-
0914-9783	Journal of mineralogy, Petr. and Econ. Geol.	-	-	01
0916-6564	Rep. of the Natl. Res. Inst. for Earth Sci.	-	-	01
0920-4741	Water resources management	-	-	01
0921-092X	Water Sceicne and Technology Management Library	-	-	02
0921-8181	Global and Planetary Change	-	01	-
0924-2716	Photogrammetry and Remote Sensing	-	-	01
0926-9851	Journal of Applied Geophysics	-	-	01
0930-0708	Mineralogy and petrology	-	-	01
0934-666X	Zertschrift fir kulturtechnik	01	-	-
0935-1221	European Juornal of Mineraqlogy	01	-	-
0935-4034	Theory and paractice of applied geophysics	03	-	-
0938-6378	Hydrogeology - selected papers	01	01	-
0951-8312	Ocean and coastal managment	02	-	-
0954-4879	Terra Nova	03	01	-
0954-4887	Terra Abstracts	-	01	04

Contd.....

0955-419X	Geophysical Journal International	03	03	-
0959-3330	Environmental technology	-	-	01
0960-3182	Geotechnical and geological engineering	-	02	02
0969-8086	Nuclear Geophysics	-	-	03
0970-0420	Environment and ecology	-	-	02
0970-0951	Journal of Himalayan geology	-	-	11
0970-1354	Indian Journal of Geology	15	07	17
0970-261X	Gondwana Geological Magazine	06	-	-
0970-9231	Exploration and research for atomic minerals	16	09	-
0971-2542	Indian Journal of Petroleum geology	-	07	13
0971-670X	Journal of Applied Hydrology	-	-	10
1042-0940	ICHNOS	-	01	-
1052-3812	SEG Annual Meeting	-	02	02
1064-119X	Marine georesources and geotechnology	-	-	07
1066-3711	Proc. of the Thematic Conf. on Remote Sensing	-	-	01
1073-130X	Journal of Sedimentary Research, Section A	-	-	08

IMPACT FACTOR (IF) VALUES OF SCIENCE CITATION INDEX (SCI) FOR THE YEAR 1990, 1992 & 1994

The following Tables - 25, 26 & 27 and Figs. 6 & 7 provides IF values of SCI of Indian earth science publication published during the years 1990, 1992 & 1994. These serials are arranged according to the ranking of total IF values scored. It is observed that the average IF scored for the year 1990 was 0.899 for the total of 303 publications; 0.768 for the total of 269 publications in 1992 and 3.041 for the total of 405 publications in 1994. The total publications covered in SCI is increased from 303 in 1990 to 405 in 1994.

TABLE - 25

**SERIAL AND TOTAL SCI'S IF VALUES OF
ALL INDIAN EARTH SCIENCE PUBLICATIONS (1990)**

Title of the Serial Publication	SCI's IF Value	No. of Publications	Total IF Value
Nature	28.417	2	56.83
Journal of the Geological Society of India	0.355	107	37.985
Marine Geology	1.675	10	16.75
Geophytology	1.005	15	15.075
Physics of the Earth and Planetary Interiors	1.872	5	9.36
Journal of Hydrology	0.939	9	8.451
Precambrian Research	1.96	4	7.84
Tectonophysics	0.974	6	5.844
Pure and Applied Geophysics	0.934	6	5.604
Hydrological Processes	0.772	7	5.404
Computers & Geosciences	0.503	8	4.024
Marine Chemistry	1.975	2	3.95
Journal of Metamorphic Geology	1.908	2	3.816
International Journal of Coal Geology	0.54	7	3.78
Review of Palaeobotany and Palynology	0.621	6	3.726
Terra Nova	1.234	3	3.702
Meteoritics	3.084	1	3.084
Journal of Geotechnical Engineering	0.554	5	2.77
Fuel (Guildford)	0.892	3	2.676
Earth and Planetary Science Letters	2.67	1	2.67
Geochimica et Cosmochimica Acta	2.631	1	2.631
International Journal of Remote Sensing	0.871	3	2.613
Geophysics	0.867	3	2.601
Sedimentary Geology	0.862	3	2.586
Journal of Geophysical Research B	2.446	1	2.446
Geology (Boulder)	2.298	1	2.298
Mineralogical Magazine	0.745	3	2.235
Contd.....			

Journal of Geology	2.196	1	2.196
Geophysical Research Letters	2.195	1	2.195
Contributions to Mineralogy and Petrology	2.088	1	2.088
Atomic Spectroscopy	1.036	2	2.072
Mathematical Geology	0.656	3	1.968
Ore Geology Reviews	0.969	2	1.938
Journal of Fluid Mechanics	1.832	1	1.832
Indian Journal of Marine Sciences	0.123	14	1.722
Analyst	1.679	1	1.679
Soil Science Society of America Journal	1.577	1	1.577
Geoderma	0.72	2	1.44
Journal of Palynology	0.443	3	1.329
Water, Air and Soil Pollution	0.629	2	1.258
Geophysical Prospecting	0.627	2	1.254
Geo-Marine Letters	0.623	2	1.246
Geological Journal	0.614	2	1.228
Talanta	1.228	1	1.228
Continental Shelf Research	1.222	1	1.222
IEEE Trans. on Geoscience and Remote Sensing	1.218	1	1.218
European Journal of Mineralogy	1.21	1	1.21
Chemosphere (Oxford)	1.204	1	1.204
Geologische Rundschau	1.097	1	1.097
Journal of Geodynamics	0.526	2	1.052
Marine Pollution Bulletin	1.023	1	1.023
Clays and Clay Minerals	0.994	1	0.994
Soil Science	0.989	1	0.989
Mineralium Deposita	0.977	1	0.977
Geotechnique	0.471	2	0.942
Origins of Life and Evolution of the Biosphere	0.863	1	0.863
Journal of Coastal Research	0.813	1	0.813
ASTM Geotechnical Testing Journal	0.379	2	0.758

Contd.....

Marine Micropaleontology	0.756	1	0.756
Geomorphology	0.713	1	0.713
Micropaleontology	0.7	1	0.7
Trans. of the Inst.Min. & Metallurgy, Section B	0.667	1	0.667
Soil Dynamics and Earthquake Engineering	0.638	1	0.638
Journal of Environmental Science and Health, Part A	0.58	1	0.58
Journal of Hydraulic Research	0.569	1	0.569
Oceanologica Acta	0.5	1	0.5
Mineralogy and Petrology	0.5	1	0.5
Deep Sea Research	0.244	2	0.488
Canadian Geotechnical Journal	0.476	1	0.476
Cretaceous Research	0.438	1	0.438
Cold Regions Science and Technology	0.417	1	0.417
Fuel Science and Technology	0.2	2	0.4
Zeitschrift fur Geomorphologie	0.259	1	0.259
Journal of Irrigation and Drainage Engineering	0.255	1	0.255
Journal of Waterway, Port, Coastal and Ocean Engg.	0.247	1	0.247
Engineering Geology	0.244	1	0.244
Grana	0.212	1	0.212
T O T A L	104.44	303	272.426
A V E R A G E I F	0.899		

TABLE - 26
SERIAL AND TOTAL SCI'S IF VALUES OF
ALL INDIAN EARTH SCIENCE PUBLICATIONS (1992)

Title of the Serial Publication	SCI's IF Value	No. of Publications	Total IF Value
Journal of the Geological Society of India	0.355	95	33.725
Physics of the Earth and Planetary Interiors	1.872	10	18.72
Tectonophysics	0.974	15	14.61
Precambrian Research	1.96	6	11.76
Lithos	1.416	5	7.08
Geophysical Research Letters	2.195	3	6.585
Journal of Hydrology	0.939	7	6.573
International Journal of Remote Sensing	0.871	7	6.097
Sedimentary Geology	0.862	6	5.172
International Journal of Coal Geology	0.54	9	4.86
Geology (Boulder)	2.298	2	4.596
Contributions to Mineralogy and Petrology	2.088	2	4.176
Journal of Geotechnical Engineering	0.554	7	3.878
Zeolites	1.918	2	3.836
Analytica Chimica Acta	1.874	2	3.748
Marine Pollution Bulletin	1.023	3	3.069
JQS. Journal of Quaternary Science	1.5	2	3
Soil Science	0.989	3	2.967
Pure and Applied Geophysics	0.934	3	2.802
Earth and Planetary Science Letters	2.67	1	2.67
Geophysical Prospecting	0.627	4	2.508
Geostandards Newsletter	2.448	1	2.448
Geoderma	0.72	3	2.16
Atomic Spectroscopy	1.036	2	2.072
Geophytology	1.005	2	2.01
Journal of Metamorphic Geology	1.908	1	1.908
Water Resources Research	1.893	1	1.893
Economic Geology	0.943	2	1.886
Quaternary Research	1.828	1	1.828
Global and Planetary Change	1.821	1	1.821
Chemical Geology; Isotope Geoscience	1.697	1	1.697
Computers & Geosciences	0.503	3	1.509
Ambios	1.492	1	1.492
Journal of the Geological Society of London	1.47	1	1.47
Palaeogeography, Palaeoclimatology, Palaeoecol.	1.467	1	1.467
Palaios	1.447	1	1.447

Contd.....

Estuarine, Coastal and Shelf Science	1.377	1	1.377
Geological Magazine	1.363	1	1.363
Journal of Arid Environments	0.415	3	1.245
Review of Palaeobotany and Palynology	0.621	2	1.242
Terra Nova	1.234	1	1.234
Quaternary Science Reviews	1.233	1	1.233
ASTM Geotechnical Testing Journal	0.379	3	1.137
Catena Supplement	0.954	1	0.954
Canadian Geotechnical Journal	0.476	2	0.952
Earth Surface Processes and Landforms	0.873	1	0.873
Geophysics	0.867	1	0.867
Journal of Coastal Research	0.813	1	0.813
Environment International	0.811	1	0.811
Advances in Space Research	0.268	3	0.804
Marine Micropaleontology	0.756	1	0.756
Rock Mechanics and Rock Engineering	0.714	1	0.714
Journal of Vertebrate Paleontology	0.704	1	0.704
Micropaleontology	0.7	1	0.7
Soil Dynamics and Earthquake Engineering	0.638	1	0.638
Geo-Marine Letters	0.623	1	0.623
Water Science and Technology	0.622	1	0.622
Geological Journal	0.614	1	0.614
Journal of Environmental Science and Health, Part A	0.58	1	0.58
Journal of Hydraulic Research	0.569	1	0.569
New Scientist	0.496	1	0.496
Deep Sea Research	0.244	2	0.488
Engineering Geology	0.244	2	0.488
Neues Jahrbuch für Mineralogie. Monatshefte	0.24	2	0.48
Fuel Science and Technology	0.2	2	0.4
Geochemical Journal	0.394	1	0.394
Journal of Hydraulic Engineering	0.392	1	0.392
Hydrological Sciences Journal	0.386	1	0.386
Intl. J. for Numerical and Anal. Meth. in Geomech.	0.382	1	0.382
Geobios	0.375	1	0.375
Journal of Thermal Analysis	0.361	1	0.361
Earth, Moon, and Planets	0.291	1	0.291
Nuclear Geophysics	0.118	2	0.236
ASAE Publication	0.227	1	0.227
Indian Journal of Marine Sciences	0.123	1	0.123
Tunnelling and Underground Space Technology	0.11	1	0.11
TOTAL	72.924	269	206.594
AVERAGE IF	0.768		

TABLE - 27

**SERIAL AND TOTAL SCI'S IF VALUES OF
ALL INDIAN EARTH SCIENCE PUBLICATIONS (1994)**

Title of the Serial Publication	SCI's IF Value	No. of Publications	Total IF Value
Journal of the Geological Society of India	0.355	113	40.115
Earth and Planetary Science Letters	2.67	7	18.6
Journal of Sedimentary Research, Section A	1.434	8	11.472
Marine Chemistry	1.975	5	9.875
Precambrian Research	1.96	5	9.8
Geophysical Research Letters	2.195	4	8.78
Geology (Boulder)	2.298	3	6.894
Organic Geochemistry	1.289	5	6.445
Meteoritics	3.084	2	6.168
Journal of Environmental Science and Health, Part B	1	6	6
Journal of Geophysical Research B	2.446	2	4.892
Continental Shelf Research	1.222	4	4.888
Geophytology	1.005	4	4.02
Journal of Physics of the Earth	0.436	9	3.924
Journal of Metamorphic Geology	1.908	2	3.816
Water Resources Research	1.893	2	3.786
Journal of Hydrology	0.939	4	3.756
Computers & Geosciences	0.503	6	3.018
Palaeogeography, Palaeoclimatology, Palaeoecol.	1.467	2	2.934
Tectonophysics	0.974	3	2.922
Journal of Petrology	2.772	1	2.772
International Journal of Coal Geology	0.54	5	2.7
International Journal of Remote Sensing	0.871	3	2.613
Geophysics	0.867	3	2.601
Sedimentary Geology	0.862	3	2.586
Journal of Geotechnical Engineering	0.554	4	2.216
Contributions to Mineralogy and Petrology	2.088	1	2.088
Contd.....			

Marine Georesources and Geotechnology	0.289	7	2.023
Soil Science	0.989	2	1.978
Earth-Science Reviews	1.92	1	1.92
Pure and Applied Geophysics	0.934	2	1.868
Quaternary Research	1.828	1	1.828
Cretaceous Research	0.438	4	1.752
Marine Geology	1.675	1	1.675
Water Research	1.674	1	1.674
Hydrological Processes	0.772	2	1.544
Journal of Irrigation and Drainage Engineering	0.255	6	1.53
Sedimentology	1.475	1	1.475
Micropaleontology	0.7	2	1.4
Estuarine, Coastal and Shelf Science	1.377	1	1.377
Marine Geophysical Researches	1.348	1	1.348
Water Science & Technology Library	0.622	2	1.244
Quaternary Science Reviews	1.233	1	1.233
Chemosphere (Oxford)	1.204	1	1.204
Hydrological Sciences Journal	0.386	3	1.158
Environmental Monitoring and Assessment	0.526	2	1.052
Advances in Water Resources	1	1	1
Clays and Clay Minerals	0.994	1	0.994
Environmental Technology	0.876	1	0.876
Origins of Life and Evolution of the Biosphere	0.863	1	0.863
Mineralogical Magazine	0.745	1	0.745
Engineering Geology	0.244	3	0.732
Geoderma	0.72	1	0.72
Geomorphology	0.713	1	0.713
Journal of Vertebrate Paleontology	0.704	1	0.704
Agricultural Water Management	0.343	2	0.686
Trans. of the Inst. of Mining and Metallurgy, Sec. B	0.667	1	0.667
Marine and Petroleum Geology	0.667	1	0.667
			Contd.....

Water, Air and Soil Pollution	0.629	1	0.629
Geophysical Prospecting	0.627	1	0.627
Geo-Marine Letters	0.623	1	0.623
Review of Palaeobotany and Palynology	0.621	1	0.621
Journal of Applied Geophysics	0.562	1	0.562
Mineralogy and Petrology	0.5	1	0.5
Canadian Geotechnical Journal	0.476	1	0.476
Commun. in Soil Science and Plant Analysis	0.397	1	0.397
Geochemical Journal	0.394	1	0.394
Indian Journal of Marine Sciences	0.123	15	5.535
Nuclear Geophysics	0.118	3	0.354
Zeitschrift fur Pflanzenernaehrung und Bodenkunde	0.335	1	0.335
Radiocarbon	0.322	1	0.322
Neues Jahrbuch fur Mineralogie. Monatshefte	0.24	1	0.24
Neues Jahrbuch fur Mineralogie. Abhandlungen	0.224	1	0.224
Tunnelling and Underground Space Technology	0.11	2	0.22
TOTAL	74.089	405	230.580
AVERAGE IF	3.112		

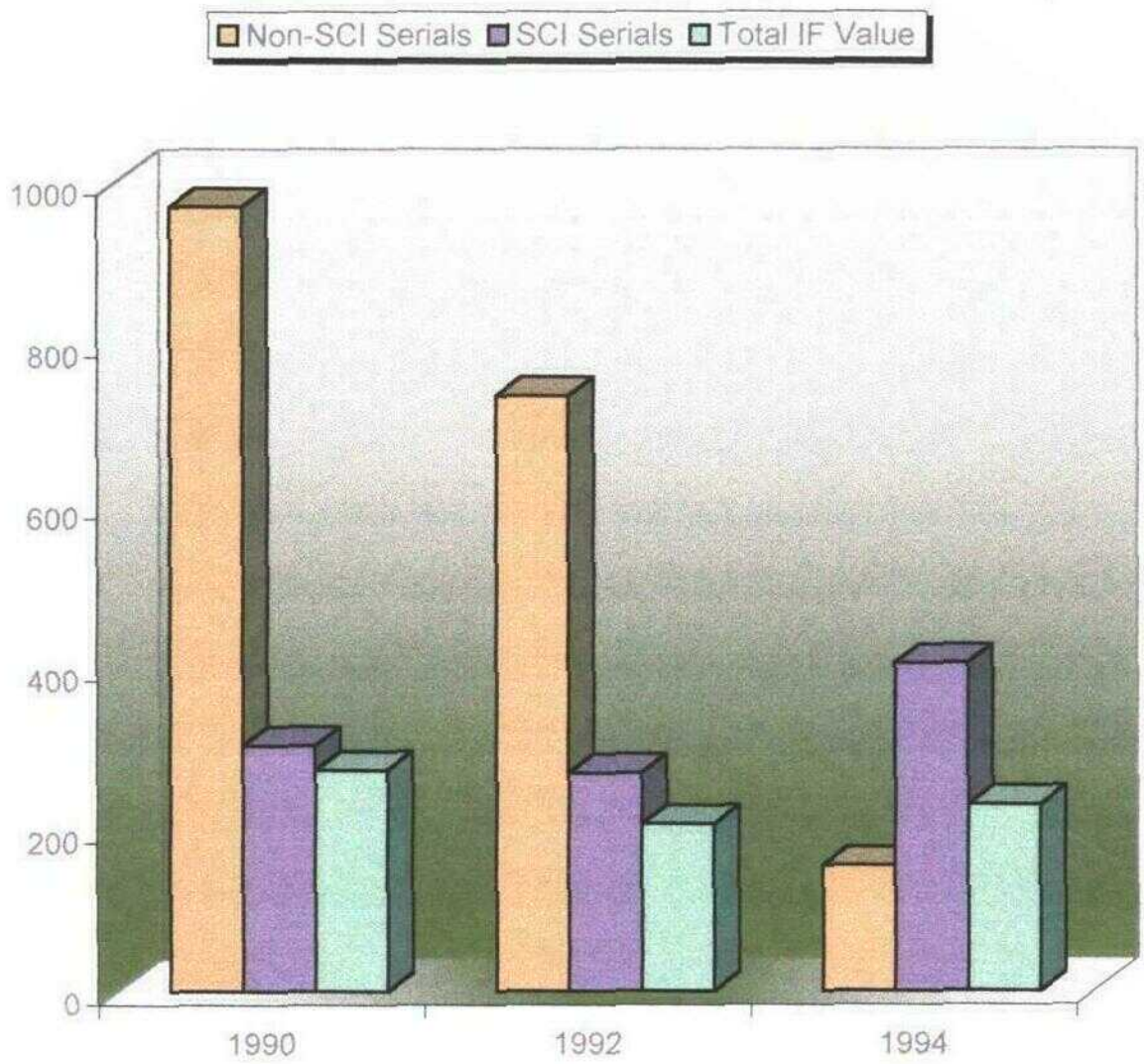


Fig. 6: SCI Serials, Non-SCI Serials & Total IF

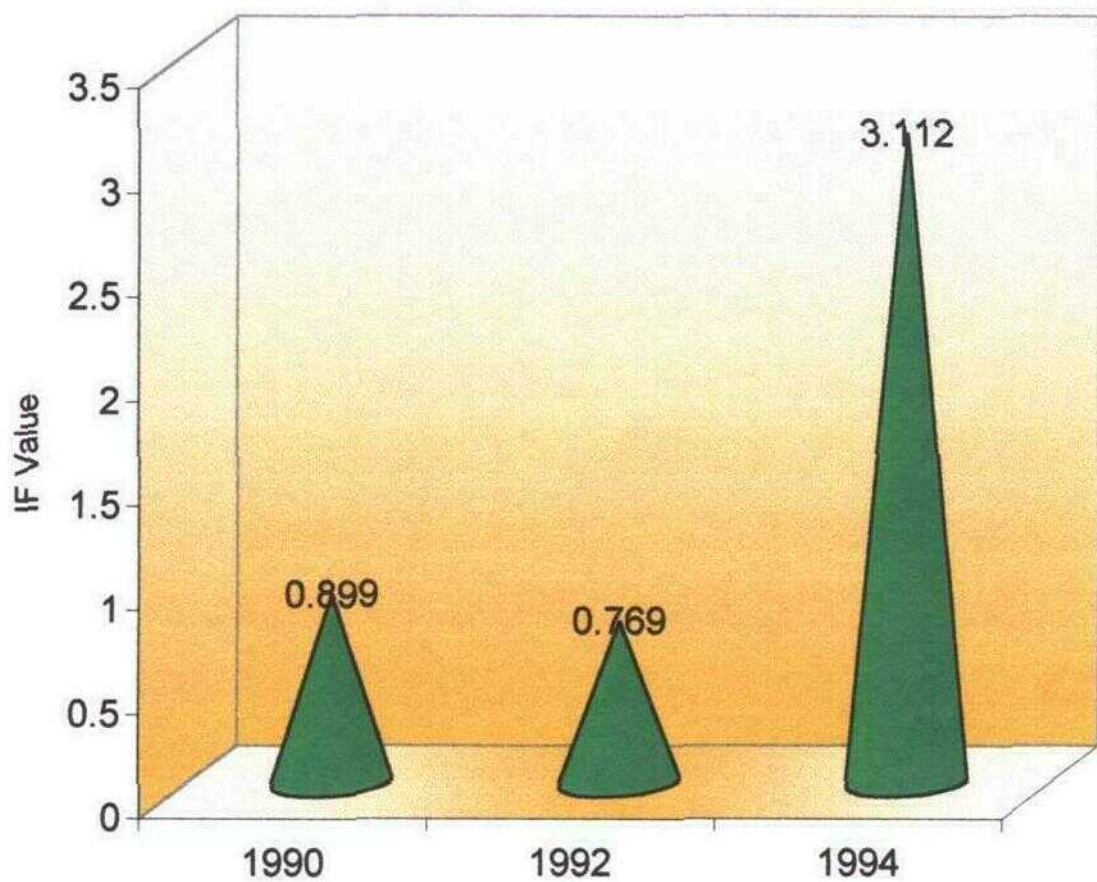


Fig. 7: Average Impact Factor (IF) of Indian Earth Science Publications