

**NATIONAL MAPPING OF SCIENCE
USING
CHEMICAL ABSTRACTS DATABASE**

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National mapping of science using Chemical Abstracts database

Introduction:

Chemical Abstracts (CA), "key to the World's Chemical Literature", publishes abstracts and indexes of the world's literature of chemistry and chemical engineering. The documents covered include journal articles, patent specifications, reviews, technical reports, dissertations, conference proceedings and books. A broad spectrum of technical and scientific information including Biochemistry, Physical, Inorganic and Analytical Chemistry, Applied Chemistry, Chemical Engineering, Macromolecular Chemistry and Organic Chemistry is covered by CA. The abstracts are classified according to chemical subject and are arranged in 80 subject groups or Sections. CA abstracts are informative, brief summaries of the major disclosures reported in the original documents. They are expected to be accurate, clear, concise and complete in essentials. Literature from nearly 50 languages is covered by CA. 6,50,000 documents and 1,23,000 patents are considered for abstracting every year. The following is a list of fields available in CA:

- CA Abstract Number
- Title
- Bibliographic Information
 - Authors
 - Name of the corporate, government or academic affiliation of the first author
 - Name of the journal
 - Volume, issue no, pagination
 - Language
 - Publication year
 - CODEN
 - ISSN no.
 - Document Type
 - CA section
- Abstract text
- Keyword Index
- CA general subject Index

For the study under consideration, it was decided to consider the data for the year 1990 and 1994. CA is now also available on Compact Discs (CD). A collective index for the year 1987-1991 (12th Collective Index) and 1992-1996 (13th Collective index) were used for the purpose of downloading the data pertaining to India.

Methodology:

Following steps were taken to arrive at the data that can be further analyzed:

1. Copying CDs onto a server
2. Installing CA downloading software on the Client node
3. Downloading the data from Collective Index of CA for the years 1990 and 1994 respectively
4. Converting the data (only bibliographic information) into Foxpro database file

Step 1: The 12th Collective Index of CA occupies 10 CDs. The 13th Collective Index of CA comes on in all 13 CDs. All these CDs were copied on the server.

Step 2: Data downloading software was installed in the client node.

Step 3: Required data can be 'searched'. For searching, following parameters can be used.

- Word
- CAS R.N.
- Author
- Gen. Subject
- Patent No.
- Formula
- Compound
- CAN
- Organization
- Journal
- Language
- Year
- Document Type
- CA Section

Search can be composed of using one or more parameters along with Boolean Expressions such as OR , AND, NOT. Search results can be either printed, viewed on the monitor or can be saved in a file. For saving the data, either simple text format or Comma delimited format or tagged format can be used. There is a limitation to the data downloading software that maximum 1000 records can be saved at a time. The time required for search depends on the no. of records being searched and the speed of the network and the number of concurrent users accessing the database. It was observed that on the node at which this work was done, the search speed was 150 records/min. Considering the limitation of the software, every search was carried out using following parameters:

Word = 'INDIA' AND

Year = 1990 AND

CAN = Volume: starting two characters of abstract no followed by "*" as a wild character.

With this, each search was of approx. 22000 records and took 140 minutes. The hit count (i.e. no. of records satisfying the search criteria) was anywhere between 0 and 250. For every year (1990 and 1994) nearly 70 such searches were required to be carried out. Many a times, there used to be more number of users and software could not give hit count and the whole search has to be repeated again and the time of one search is wasted. In this situation, more than 6 months were required to download the data. (It may be mentioned here that, CA 12th and 13th Collective Index on CDs were received by the National Chemical Laboratory (NCL) in the last week of November 1997).

Step 4: The data downloaded was saved in files in a tagged format. As the required information was available in only one field namely 'Bibliographic Information' (BI), the data conversion was done in two steps.

1. Step a: 1. Removing unwanted fields such as abstract, index, keywords, title etc. This is done by a software written in 'C'. The data generated out of this is converted into a Foxpro database file and is used for further conversion.
2. Separating fields from Bibliographic Information (namely authors, institution address, journal name, volume, issue no, page numbers, CODEN, ISSN no.,

document type, CA section etc. which are required for further analysis. This is done by a Foxpro program.

Step b: Separating Institutional address into name of the Institution, city, state and Pin code. This is done through a Foxpro program.

It was observed that there was no uniformity in the way of writing institutional address and lot of manual work was done to arrive at the data analysis.

The analysis of the data and generation of various tables was done using Foxpro.

Analysis:

For the year 1990, there are total 4,86,936 records searched. The hit count for "India" and 1990 was 10511.

For the year 1994, there are total 6,06,335 records searched. The hit count for "India" and 1994 was 13060.

Nearly 95% data was successfully downloaded

Table I: Journals used by Indian Researchers are listed in the Table – I. The journals are listed in the descending order of no. of papers published in each journal. For the Impact Factor of the journals, Journal Citation Report (JCR) for the year 1994 is referred. It may be seen that only one paper has been published in 'Science', a journal of highest impact factor (I.F.= 22.067), in 1990 by 'Int. Crops Res. Inst., Andhra Pradesh. A paper has appeared in 'Immunol. Today, (I.F.= 22.047) in 1990 by Reg. Med. Res. Cent., Bhubaneshwar. In the journal Chem. Rev. (I.F. = 14.240) one paper has been published in 1990 and 1994 by Bose Inst., Calcutta and Indian Institute of Technology, Kanpur, respectively. Inorg.Synth. has an I.F. 11.6 and in 1990, a paper has been published in it by North-East Hill Univ., Shillong. A journal 'Mol. Cell. Biol.' Has an I.F. of 10.195. There are two papers in this journal in 1990 by Indian Inst. Science, Bangalore and Bose Inst., Calcutta.

Table – II: Indian Institutes contributing to the World literature in Chemistry as seen from Chemical Abstracts Database are listed in this table. Institutes are listed in descending order of total number of papers published. More than 85% papers are published by these institutes. Remaining institutes are not listed as they have total 1

publication. Bhabha Atomic Res. Centre, Bombay has contributed highest i.e. 876 papers. Indian Inst. of Science, Bangalore is next with 795 papers. Banaras Hindu Univ., Varanasi has 544 papers and is third in the list. IIT, Madras, National Chemical Laboratory, Pune, IIT, Kharagpur, IIT, Delhi and Indian Association for Cultivation of science, Calcutta have more than 300 publications.

Table – II A : Indian organizations contributing to Chemical Abstracts Database listed in Table – II have been classified by organization type such as Academic Institutions, Central Government institutions, State Government Institutes and Private sector R & D units including Scientific and Industrial Research Organizations recognised by Dept. of Scientific and Industrial Research (DSIR). It may be seen that more than 50% is contributed by Academic Institutions, 37% by Central Government Institutes. State government Institutes have less than 2% contribution.

Table – III: This table lists the India's contribution classified according to Chemical Abstracts Section. There are in all 80 sections, numbered from 1 to 80. Maximum publications are under section 76, 'Electric Phenomena' (1259) followed by section 73, 'Optical, Electron and Mass Spectroscopy and other related properties' (950). Minimum publications are under section 44, 'Industrial Carbohydrates' (18).

Table - IV: Indian State wise contribution to the World Literature of Chemical Science is listed in this table. Maharashtra is having highest contribution (15%), followed by Uttar Pradesh (14%) and West Bengal (12%). All other states are having less 1% to 10% contribution except Tripura, Arunachal Pradesh, Mizoram and Nagaland with less than 1% share.

Table – V: India's contribution to Chemical Science classified by Document Type is listed in this table. More than 95% contribution is by way of Journal Articles and nearly 3% contribution is through Conference Papers.

Table – VI: Indian Papers classified by Language are listed in this table. Negligible contribution is there in Languages other than English.

Conclusion:

A detailed analysis of publications originating in Indian institutions and included in the Chemical Abstracts Database – collective Index 12 and 13 for the years 1990 and 1994 as

sample years has been carried with a view to finding out active institutions, journals used by researchers, sub fields of activity etc. Together with such analysis of other subjects such as Physics, Mathematics, Medicines and Material Science, this study can help map scientific research in India. The insights provided by this mapping can be very helpful to policy makers and researchers.

**Journals used by Indian Researchers as seen from
Chemical Abstracts Database for 1990 and 1994.
(Arranged by no. of papers)**

Table I

Pg: 1

Sr. No.	Journal Title	Impact Factor	No. of Papers		
			1990	1994	Total
1	Indian J. Chem.	0.355	563	506	1069
2	J. Indian Chem. Soc.	0.090	370	143	513
3	Indian J. Exp. Biol.	na	181	148	329
4	Bull. Electrochem.	na	253	37	290
5	Indian J. Pure Appl. Phys.	0.229	132	143	275
6	J. Chem. Soc.	2.575	119	131	250
7	Indian Drugs	na	102	115	217
8	Asian J. Chem.	na	45	170	215
9	Proc. - Indian Acad. Sci.	na	83	126	209
10	J. Appl. Polym. Sci.	0.870	84	102	186
11	Indian J. Phys.	na	96	84	180
12	Polym. Sci.	na		167	167
13	Environ. Ecol.	na	89	72	161
14	Bull. Mater. Sci.	0.146	41	118	159
15	Curr. Sci.	0.271	66	91	157
16	J. Mater. Sci. Lett.	0.444	76	75	151
17	Tetrahedron Lett.	2.378	64	87	151
18	Phys. Rev. B: Condens. Matter	3.187	37	107	144
19	Pramana	0.345	75	68	143
20	J. Inst. Chem. (India)	na	80	54	134
21	Indian J. Biochem. Biophys.	0.349	62	70	132
22	Phytochemistry	1.157	67	59	126
23	Solid State Commun.	1.446	67	55	122
24	Synth. Commun.	0.699	79	42	121
25	J. Radioanal. Nucl. Chem.	0.613	58	61	119
26	Synth. React. Inorg. Met.-Org. Chem.	na	54	64	118
27	J. Mater. Sci.	0.741	62	53	115
28	J. Electrochem. Soc. India	na	69	36	105
29	Phys. Status Solidi B	0.733	54	51	105
30	J. Appl. Phys.	1.658	50	54	104
31	Proc. Natl. Acad. Sci.	na	44	60	104
32	J. Indian Soc. Soil Sci.	na	41	61	102
33	Res. Ind.	0.037	51	51	102
34	Tetrahedron	2.277	39	63	102
35	Physica C (Amsterdam)	3.258	25	74	99
36	Cryst. Res. Technol.	0.308	61	36	97
37	Indian J. Environ. Prot.	na	93		93
38	Acta Crystallogr.	1.507	57	35	92
39	Colourage	na	45	46	91
40	CEW	na	37	53	90
41	Transition Met. Chem. (London)	na	37	52	89
42	Heat Mass Transfer 94	na		86	86
43	Indian J. Anim. Sci.	0.014	30	55	85
44	Biochem. Int.	0.828	84		84
45	Chem. Phys. Lett.	2.614	39	44	83
46	Indian J. Pharm. Sci.	na	38	45	83

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Table I

Sr. No.	Journal Title	Impact Factor	No. of Papers		
			1990	1994	Total
47	Indian J. Technol.	0.128	83		83
48	J. Phys. Chem.	3.245	26	55	81
49	Bull. Environ. Contam. Toxicol.	0.563	45	35	80
50	Med. Sci. Res.	na	37	43	80
51	Indian Chem. Eng.	na	43	36	79
52	J. Geol. Soc. India	na	9	70	79
53	J. Phys.: Condens. Matter	1.562	33	46	79
54	Adv. Chem. Eng. Nucl. Process Ind.	na		79	79
55	Indian J. Chem. Technol.	0.128		79	79
56	Thermochim. Acta	0.612	36	40	76
57	J. Food Sci. Technol.	0.026	24	51	75
58	Natl. Acad. Sci. Lett. (India)	na	35	40	75
59	Polyhedron	1.081	35	40	75
60	Orient. J. Chem.	na	27	47	74
61	Proc. Indian Natl. Sci. Acad.	na	37	36	73
62	IPPTA	na	19	52	71
63	Indian J. Agric. Sci.	0.026	24	46	70
64	Phys. Status Solidi A	0.596	31	39	70
65	Bull. Chem. Soc. Jpn.	0.845	34	35	69
66	Phys. Rev. C: Nucl. Phys.	1.842	29	40	69
67	Tool Alloy Steels	na	31	37	68
68	J. Chem. Res.	0.504	20	46	66
69	J. Environ. Biol.	0.065	32	33	65
70	Indian J. Environ. Health	na	32	32	64
71	Indian J. Heterocycl. Chem.	na		64	64
72	Ferroelectrics	0.318	29	37	66
73	Trans. Indian Inst. Met.	na	19	44	63
74	J. Phys. D: Appl. Phys.	0.879	33	29	62
75	Paintindia	na	34	26	60
76	Indian J. Agron.	0.002	18	41	59
77	Thin Solid Films	1.409	25	34	59
78	Indian J. Physiol. Pharmacol.	na	25	33	58
79	Indian J. Pharmacol.	na	14	42	56
80	Indian J. Plant Prot.	na	23	33	56
81	Phys. Rev. D: Part. Fields	3.233	27	28	55
82	Fitoterapia	na	26	28	54
83	Acta Cienc. Indica	na	36	17	53
84	Biochem. Biophys. Res. Commun.	3.400	28	25	53
85	Indian Vet. J.	na	18	35	53
86	Pollut. Res.	na	5	47	52
87	J. Mol. Catal.	1.582	29	22	51
88	J. Phys. G: Nucl. Part. Phys.	1.142	30	21	51
89	Mutat. Res.	1.975	20	31	51
90	World J. Microbiol. Biotechnol.	0.382	15	36	51

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Table I

Sr. No.	Journal Title	Impact Factor	No. of Papers		
			1990	1994	Total
91	J. Photochem. Photobiol.	1.311	26	24	50
92	Scr. Metall. Mater.	0.912	23	27	50
93	Trans. SAEST	na	32	18	50
94	J. Phys. B: At.	2.145	20	28	48
95	Mater. Lett.	0.660	25	23	48
96	Indian J. Fibre Text. Res.	na	25	22	47
97	Proc. SPIE-Int. Soc. Opt. Eng.	na	23	24	47
98	East. Pharm.	na	18	28	46
99	Ind. Eng. Chem. Res.	1.056	14	32	46
100	Mater. Sci. Eng.	na	14	32	46
101	Indian J. Plant Physiol.	na	6	39	45
102	J. Org. Chem.	3.193	23	22	45
103	Indian J. Mar. Sci.	0.129	23	21	44
104	AIP Conf. Proc.	na	3	40	43
105	Emerging Optoelectron. Technol.	na		43	43
106	Appl. Phys. Lett.	3.072	20	22	42
107	Appl. Radiat. Isot.	0.530	17	23	40
108	Biochim. Biophys. Acta	2.507	15	25	40
109	J. Chem. Eng. Data	0.930	18	22	40
110	J. Chem. Phys.	3.635	14	26	40
111	J. Solid State Chem.	1.397	11	29	40
112	Spectrochim. Acta	2.573	19	21	40
113	Talanta	1.167	17	23	40
114	Biochem. Mol. Biol. Int.	0.566		40	40
115	Indian Foundry J.	na	17	22	39
116	Mater. Res. Bull.	0.953	27	12	39
117	Nucl. Instrum. Methods Phys. Res.	1.188	18	21	39
118	Phys. Lett. B	3.056	21	18	39
119	Polymer	1.360	8	31	39
120	FEMS Microbiol. Lett.	1.597	17	20	37
121	Geobios	0.259	14	23	37
122	J. Biosci.	0.432	37		37
123	J. Power Sources	0.689	11	26	37
124	Drug Dev. Ind. Pharm.	0.482	14	22	36
125	Inorg. Chim. Acta	1.204	33	3	36
126	J. Indian Inst. Sci.	na	3	32	35
127	Mol. Cell. Biochem.	1.250	11	24	35
128	Phosphorus	0.229	14	21	35
129	Phys. Rev. A: At.	2.292	53	41	94
130	Fert. News	na	19	15	34
131	Inorg. Chem.	2.522	11	23	34
132	J. Polym. Mater.	na	13	21	34
133	Nuovo Cimento Soc. Ital. Fis.	na	19	15	34
134	Text. Dyer Printer	na	17	17	34
135	Indian J. Cryog.	na	33		33

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Table I

Sr. No.	Journal Title	Impact Factor	No. of Papers		
			1990	1994	Total
136	J. Non-Cryst. Solids	1.072	24	9	33
137	Jpn. J. Appl. Phys.	1.096	22	11	33
138	Eur. Polym. J.	0.719	13	19	32
139	J. Agric. Food Chem.	1.342	16	16	32
140	J. Polym. Sci.	1.299	20	12	32
141	Mater. Chem. Phys.	0.561	7	25	32
142	Mod. Phys. Lett. B	na	14	18	32
143	Phys. Rev. Lett.	6.616	7	25	32
144	Cancer Lett. (Shannon	na	14	17	31
145	J. Environ. Sci. Health	0.467	13	18	31
146	J. Sci. Ind. Res.	0.237	14	17	31
147	Met.	0.065	9	22	31
148	Solid State Ionics	1.089	18	13	31
149	Chem. Eng. Sci.	0.902	13	17	30
150	J. Alloy Phase Diagrams	na	30		30
151	J. Chromatogr.	2.523	10	20	30
152	J. Sci. Food Agric.	0.866	17	13	30
153	Radiat. Eff. Defects Solids	0.582	10	20	30
154	Adv. Prod. Appl. Lube Base Stocks	na		30	30
155	Met. Corros.	na		30	30
156	J. Am. Oil Chem. Soc.	0.980	16	13	29
157	J. Chem. Technol. Biotechnol.	0.581	13	16	29
158	J. Inst. Eng. (India)	na	16	13	29
159	J. Magn. Magn. Mater.	1.063	13	16	29
160	J. Maharashtra Agric. Univ.	na	12	17	29
161	J. Phys. Chem. Solids	1.350	16	13	29
162	Phys. Chem. Liq.	0.536	13	16	29
163	Plant Cell Rep.	1.590	7	22	29
164	Radiat. Phys. Chem.	0.395	9	20	29
165	Diffus. Defect Data	na	28		28
166	Indian Perfum.	na	15	13	28
167	J. Nucl. Mater.	1.264	11	17	28
168	Phys. Lett. A	1.228	13	15	28
169	Phys. Scr.	0.991	10	18	28
170	Bioresour. Technol.	0.785		28	28
171	J. Oil Technol. Assoc. India (Bombay)	na	4	23	27
172	J. Organomet. Chem.	1.481	13	14	27
173	J. Biosci. (Bangalore	0.432		27	27
174	Proc. Asia-Pac. Phys. Conf.	na		27	27
175	Astrophys. J.	3.544	11	15	26
176	Food Chem.	0.683	15	11	26
177	J. Biol. Chem.	7.716	9	17	26
178	Pharmazie	0.334	6	20	26
179	Indian J. Dairy Sci.	na		26	26
180	Proc. Acad. Environ. Biol.	na		26	26

Contd..

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Sr. No.	Journal Title	Impact Factor	No. of Papers		
			1990	1994	Total
181	Asian Environ.	na	25		25
182	Indian For.	na	18	7	25
183	J. Cryst. Growth	1.561	11	14	25
184	J. Macromol. Sci.	0.768	17	8	25
185	J. Nat. Prod.	1.498	15	10	25
186	J. Planar Chromatogr.--Mod. TLC	na	10	15	25
187	J. Therm. Anal.	0.441	21	4	25
188	Mod. Phys. Lett. A	1.172	10	15	25
189	Physica B (Amsterdam)	1.144	14	11	25
190	Polym. Int.	0.778		25	25
191	Biotechnol. Lett.	0.976	7	17	24
192	Contraception	0.777	18	6	24
193	Enzyme Microb. Technol.	1.784	11	13	24
194	J. Nucl. Agric. Biol.	na	10	14	24
195	Plant Foods Hum. Nutr. (Dordrecht)	0.168	6	18	24
196	J. Plant Sci. Res.	0.394		24	24
197	Nutr. Bioact. Subst. Aquat. Org.	na		24	24
198	Oxid. Commun.	na		24	24
199	Phys. Astrophys. Quark-Gluon Plasma	na		24	24
200	Anal. Lett.	0.950	13	10	23
201	Chim. Acta Turc.	na	4	19	23
202	Fuel Sci. Technol. Int.	na	6	17	23
203	Fusion Technol.	0.683	21	2	23
204	J. Mater. Res.	2.000	3	20	23
205	J. Mines	na	13	10	23
206	J. Mol. Struct.	0.837	3	20	23
207	Mysore J. Agric. Sci.	na	3	20	23
208	Opt. Commun.	1.205	18	5	23
209	Org. Prep. Proced. Int.	0.673	6	17	23
210	Photosynthetica	0.457	14	9	23
211	Radiochim. Acta	0.519	11	12	23
212	Sci. Phys. Sci.	na	15	8	23
213	J. Plant Biochem. Biotechnol.	0.375		23	23
214	Anal. Chim. Acta	1.696	12	10	22
215	Angew. Makromol. Chem.	0.548	5	17	22
216	Appl. Catal.	6.319	9	13	22
217	Curr. Res. Photosynth.	na	22		22
218	J. Appl. Electrochem.	0.926	6	16	22
219	Chem. Ind. Dig.	0.423		22	22
220	Trans. Met. Finish. Assoc. India	na		22	22
221	Acoust. Lett.	na	8	13	21
222	Ann. Nucl. Energy	0.348	10	11	21

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Sr. No.	Journal Title	Impact Factor	No. of Papers		
			1990	1994	Total
223	Asian J. Chem. Rev.	na	9	12	21
224	Bioprocess Eng.	0.852	1	20	21
225	Indian Phytopathol.	na	2	19	21
226	Int. J. Hydrogen Energy	0.324	14	7	21
227	J. Fluorine Chem.	0.737	9	12	21
228	J. Phys. Soc. Jpn.	1.920	10	11	21
229	Mater. Res. Soc. Symp. Proc.	na	14	7	21
230	Phase Transitions	0.425	3	18	21
231	Plant Soil	0.714	16	5	21
232	Pop. Plast. Packag.	na	6	15	21
233	Toxicol. Environ. Chem.	0.209	7	14	21
234	Indian J. Eng. Mater. Sci.	na		21	21
235	J. Alloys Compd.	0.961		21	21
236	J. Electroanal. Chem.	2.020		21	21
237	Mol. Cryst. Liq. Cryst. Sci. Technol.	0.967		21	21
238	Analyst (London)	1.816	20		20
239	Atmos. Environ.	na	14	6	20
240	Biochem. Arch.	0.714	9	11	20
241	Can. J. Chem. Eng.	0.532	9	11	20
242	FEBS Lett.	3.6	7	13	20
243	Int. J. Quantum Chem.	1.495	6	14	20
244	Magn. Reson. Chem.	0.924	17	3	20
245	Nucl. Phys. A	1.821	6	14	20
246	Wear	0.580	7	13	20
247	Z. Metallkd.	0.698	9	11	20
248	Macromol. Rep.	na		20	20
249	Phys. Rev. E: Stat. Phys.	1.888		20	20
250	Colloids Surf.	1.401	10	9	19
251	Indian J. For.	na	6	13	19
252	Int. J. Chem. Kinet.	1.298	11	8	19
253	J. Catal.	2.492	9	10	19
254	J. Inorg. Biochem.	1.478	11	8	19
255	J. Mater. Sci.: Mater. Electron.	0.443	14	5	19
256	J. Microb. Biotechnol.	na	10	9	19
257	Sci. Cult.	na	19		19
258	Semicond. Sci. Technol.	1.389	7	12	19
259	Synthesis	1.927	14	5	19
260	Water	na	15	4	19
261	Z. Phys. Chem. (Leipzig)	0.506	19		19
262	Analyst (Cambridge)	1.816		19	19
263	Solid State Ionic Mater.	1.089		19	19
264	Acta Chim. Hung.	0.445	18		18
265	Acta Phys. Pol.	0.346	10	8	18
266	Acustica	0.395	8	10	18
267	Biopolymers	2.313	13	5	18

Contd..

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Sr. No.	Journal Title	Impact Factor	No. of Papers		
			1990	1994	Total
268	Biotechnol. Tech.	0.612	6	12	18
269	Can. J. Chem.	1.127	11	7	18
270	Can. J. Phys.	0.408	14	4	18
271	Chem. Eng. J. (Lausanne)	0.507	9	9	18
272	Curr. Microbiol.	0.983	10	8	18
273	Ecotoxicol. Environ. Saf.	1.290	11	7	18
274	Erdoel Kohle	0.133	8	10	18
275	Fluid Phase Equilib.	0.906	8	10	18
276	Fuel	1.013	11	7	18
277	ISIJ Int.	na	5	13	18
278	J. Membr. Sci.	1.492	8	10	18
279	J. Raman Spectrosc.	0.957	13	5	18
280	Pure Appl. Chem.	1.403	9	9	18
281	React. Kinet. Catal. Lett.	0.277	5	13	18
282	Metall. Mater. Trans. A	na		18	18
283	Environ. Pollut.	1.159	10	7	17
284	Fert. Res.	0.284	12	5	17
285	Folia Microbiol. (Prague)	0.213	4	13	17
286	Heterocycles	0.982	13	4	17
287	Int. J. Pept. Protein Res.	1.785	10	7	17
288	J. Clin. Biochem. Nutr.	0.354	4	13	17
289	J. Colloid Interface Sci.	1.620	10	7	17
290	J. Ind. Pollut. Control	na	3	14	17
291	Langmuir	3.232	4	13	17
292	Macromolecules	3.016	4	13	17
293	Main Group Met. Chem.	na	8	9	17
294	Met. Finish.	na	7	10	17
295	Microchem. J.	0.638	13	4	17
296	NML Tech. J.	na	4	13	17
297	Prakt. Metallogr.	na	9	8	17
298	Rev. Roum. Chim.	0.141	7	10	17
299	Supercond. Sci. Technol.	1.530	6	11	17
300	Urja	na	17		17
301	Z. Naturforsch.	0.630	9	8	17
302	Acta Phys. Hung.	na	11	5	16
303	Astron. Astrophys.	2.328	11	5	16
304	Biochem. Pharmacol.	2.263	11	5	16
305	Carbohydr. Res.	na	12	4	16
306	Comp. Physiol. Ecol.	na	16		16
307	Def. Sci. J.	na	8	8	16
308	Indian Food Packer	na	3	13	16
309	Int. J. Environ. Stud.	na	4	12	16
310	J. Energy	na	10	6	16
311	J. Less-Common Met.	na	16		16
312	Kautsch. Gummi	0.355	16		16
313	Lett. Appl. Microbiol.	1.040	4	12	16
314	Man-Made Text. India	na	10	6	16

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Sr. No.	Journal Title	Impact Factor	No. of Papers		
			1990	1994	Total
315	Pesticides	na	16		16
316	THEOCHEM	0.991	4	12	16
317	Vacuum	0.488	10	6	16
318	Z. Kristallogr.	0.439	4	12	16
319	Z. Phys. C: Part. Fields	2.313	5	11	16
320	Z. Phys. D: At.	1.512	3	13	16
321	Prod. Liq. Iron Using Coal	na		16	16
322	Trans. Indian Ceram. Soc.	na		16	16
323	Am. Dyest. Rep.	na	6	9	15
324	Appl. Microbiol. Biotechnol.	1.488	9	6	15
325	Biol. Wastes	na	15		15
326	Collect. Czech. Chem. Commun.	0.467	7	8	15
327	Indian J. Mycol. Plant Pathol.	na	3	12	15
328	Int. J. Mod. Phys. A	1.519	7	8	15
329	J. Am. Chem. Soc.	6.039	7	8	15
330	J. Basic Microbiol.	0.402	2	13	15
331	J. Chem. Thermodyn.	0.947	10	5	15
332	J. Entomol. Res.	na	5	10	15
333	J. Essent. Oil Res.	na	3	12	15
334	J. Microencapsulation	0.442	5	10	15
335	J. Plant Physiol.	1.088	7	8	15
336	J. Res. (Punjab Agric. Univ.)	na	8	7	15
337	Powder Metall. Sci. Technol. (Hyderabad)	na	9	6	15
338	Vijnana Parishad Anusandhan Patrika	na	11	4	15
339	Opt. Eng. (Bellingham)	0.650		15	15
340	Acta Metall. Mater.	2.030	8	6	14
341	Astrophys. Space Sci.	0.910	16	2	18
342	Biol. Oxid. Syst.	na	14		14
343	Biotechnol. Appl. Biochem.	1.133	8	6	14
344	Entomon	na	6	8	14
345	Fluoride	0.696	3	11	14
346	Food Chem. Toxicol.	1.103	5	9	14
347	Hind. Antibiot. Bull.	na	7	7	14
348	Int. J. Eng. Sci.	0.633	4	10	14
349	J. Chem. Educ.	0.379	8	6	14
350	J. Electrochem. Soc.	1.763	8	6	14
351	J. Timber Dev. Assoc. India	na	13	1	14
352	Pol. J. Chem.	0.905	4	10	14
353	Polym.-Plast. Technol. Eng.	0.326	3	11	14
354	Rev. Sci. Instrum.	1.095	7	7	14
355	Steel Res.	0.551	4	10	14
356	Symp. - Int. Astron. Union	na	12	2	14
357	Waerme- Stoffuebertrag.	0.496	11	3	14
358	Phys. Plasmas	na		14	14
359	Recent Dev. Biofouling Control	na		14	14

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Sr. No.	Journal Title	Impact Factor	No. of Papers		
			1990	1994	Total
360	Sol. Energy Mater. Sol. Cells	0.667		14	14
361	Appl. Opt.	1.033	11	2	13
362	Arch. Biochem. Biophys.	2.284	7	6	13
363	Biol. Plant.	0.168	4	9	13
364	Chem. Phys.	1.867	7	6	13
365	Energy Convers. Manage.	0.290	3	10	13
366	Hyperfine Interact.	0.590	8	5	13
367	Int. J. Energy Res.	0.269	10	3	13
368	Ironmaking Steelmaking	0.438	8	5	13
369	J. Astrophys. Astron.	0.706	8	5	13
370	J. Indian Bot. Soc.	na	1	12	13
371	J. Inst. Electron. Telecommun. Eng. (New Delhi)	na	7	6	13
372	J. Mol. Liq.	0.524	8	5	13
373	PAFAI J.	na	2	11	13
374	Phytother. Res.	0.460	4	9	13
375	Plant Sci. (Limerick	1.250	13		13
376	Synlett	2.278	3	10	13
377	X-Ray Spectrom.	0.786	6	7	13
378	DAE Symp. Nucl. Phys.	na		13	13
379	Biochem. J.	4.262	4	8	12
380	Biol. Trace Elem. Res.	0.799	2	10	12
381	Ceram. Int.	0.363	4	8	12
382	Colour. Annu.	na	12		12
383	Experientia	1.615	7	5	12
384	Fuel Sci. Technol.	na	5	7	12
385	Gene	2.305	2	10	12
386	Hadronic J.	na	6	6	12
387	High Perform. Polym.	na	4	8	12
388	Hydrometallurgy	0.590	6	6	12
389	Indian J. Earth Sci.	na	3	9	12
390	Indian Miner.	na	12		12
391	J. Am. Ceram. Soc.	1.459	7	5	12
392	J. Anim. Morphol. Physiol.	na	6	6	12
393	J. Biotechnol.	1.408	2	10	12
394	J. Coord. Chem.	0.612	7	5	12
395	J. Crystallogr. Spectrosc. Res.	0.406	12		12
396	J. Gen. Appl. Microbiol.	0.517	6	6	12
397	Mikrochim. Acta	0.965	5	7	12
398	Neoplasma	0.354	5	7	12
399	Pestic. Sci.	0.904	8	4	12
400	Philos. Mag. B	1.625	7	5	12
401	Sci. Total Environ.	0.742	9	3	12
402	Sens. Actuators	0.704	2	10	12
403	Starch/Staerke	0.701	10	2	12
404	Hydrogen Energy Prog. X	na		12	12

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Sr. No.	Journal Title	Impact Factor	No. of Papers		
			1990	1994	Total
405	J. Teach. Res. Chem.	na		12	12
406	Ultra Sci. Phys. Sci.	na		12	12
407	ASTM Spec. Tech. Publ.	na	7	4	11
408	Acta Hydrochim. Hydrobiol.	0.643	9	2	11
409	Acta Polym.	0.853	11		11
410	Catal. Lett.	na	5	6	11
411	Chem. Anal. (Warsaw)	0.293	1	10	11
412	Chem. Eng. Commun.	0.385	10	1	11
413	Chem. Ind. (London)	0.423	10	1	11
414	Colloid Polym. Sci.	1.020	6	5	11
415	Cryogenics	0.818	7	4	11
416	Environ. Monit. Assess.	0.366	1	10	11
417	Gujarat Agric. Univ. Res. J.	na	11		11
418	Int. J. Miner. Process.	0.394	7	4	11
419	J. Ferment. Bioeng.	1.002	8	3	11
420	J. Magn. Reson.	3.071	6	5	11
421	J. Mol. Spectrosc.	1.551	3	8	11
422	J. Plant. Crops	na	9	2	11
423	J. Reprod. Biol. Comp. Endocrinol.	na	7	4	11
424	J. Solution Chem.	0.807	5	6	11
425	J. Surf. Sci. Technol.	na	11		11
426	Mar. Chem.	1.691	2	9	11
427	Mater. Sci. Technol.	0.982	3	8	11
428	Mol. Cryst. Liq. Cryst.	0.967	11		11
429	Nucleic Acids Res.	4.097	5	6	11
430	Orissa J. Agric. Res.	na	6	5	11
431	Polym. Test.	0.433	2	9	11
432	Prog. High Temp. Supercond.	na	11		11
433	Radiat. Prot. Dosim.	0.241	4	7	11
434	Water Res.	1.574	6	5	11
435	Bioorg. Med. Chem. Lett.	1.425		11	11
436	J. Indian Counc. Chem.	na		11	11
437	Plant Sci. (Shannon)	1.257		11	11
438	Appl. Biochem. Biotechnol.	0.750	5	5	10
439	Appl. Environ. Microbiol.	3.175	2	8	10
440	Appl. Surf. Sci.	1.144	2	8	10
441	Arzneim.-Forsch.	0.537	3	7	10
442	Bioelectrochem. Bioenerg.	0.940	3	7	10
443	Biol. Fertil. Soils	0.908	1	9	10
444	Biol. Zentralbl.	0.298	5	5	10
445	Br. Polym. J.	na	10		10
446	Cellul. Chem. Technol.	na	1	9	10
447	Cem. Concr. Res.	0.716	3	7	10
448	Combust. Flame	1.179	2	8	10
449	Corros. Prev. Control	na	6	4	10
450	Corros. Sci.	0.556	7	3	10

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Sr. No.	Journal Title	Impact Factor	No. of Papers		
			1990	1994	Total
451	Electroanalysis (N. Y.)	1.589	4	6	10
452	Fresenius. J. Anal. Chem.	0.975	10	19	29
453	Gen. Comp. Endocrinol.	1.393	7	3	10
454	Himalayan Chem. Pharm. Bull.	na	6	4	10
455	Indian J. Forensic Sci.	na	10		10
456	Indian J. Physiol. Allied Sci.	na	2	8	10
457	Indian Vet. Med. J.	na	2	8	10
458	Int. J. Pharm.	1.050	6	4	10
459	J. Adv. Zool.	0.000	6	4	10
460	J. Elastomers Plast.	0.150	3	7	10
461	J. Mol. Biol.	6.018	1	9	10
462	Life Sci.	2.500	5	5	10
463	N-Nitroso Compd. Pap. Int. Symp.	na	10		10
464	Photochem. Photobiol.	2.198	4	6	10
465	Plant Physiol. Biochem. (Paris)	0.967	7	3	10
466	Tests Agrochem. Cultiv.	na	3	7	10
467	Tob. Res.	na	6	4	10
468	Toxicon	1.397	5	5	10
469	Z. Phys. Chem. (Munich)	0.506	9	1	10
470	Environ. Biotechnol.	na		10	10
471	J. Trop. Agric.	na		10	10
472	Shashpa	na		10	10
473	AIChE J.	1.359	6	3	9
474	Agrochimica	0.088	7	2	9
475	Asia Pac. J. Pharmacol.	0.337	7	2	9
476	Biochemistry	5.234	3	6	9
477	Br. Corros. J.	na	2	7	9
478	Carbohydr. Polym.	na	4	5	9
479	Ceram. Trans.	na	7	2	9
480	Chem. Eng. Technol.	na	6	3	9
481	Chemosphere	1.086	5	4	9
482	Eur. J. Pharmacol.	2.677	4	5	9
483	IEEE Trans. Electron Devices	1.630	3	6	9
484	Indian J. Clin. Biochem.	na	3	6	9
485	Int. J. Heat Mass Transfer	0.894	7	2	9
486	Int. J. Trop. Agric.	na	2	7	9
487	J. Agric. Sci.	0.621	7	2	9
488	J. Bacteriol.	4.013	1	8	9
489	J. Biomol. Struct. Dyn.	1.487	3	6	9
490	J. Curr. Biosci.	na	9		9
491	J. Genet.	0.389	3	6	9
492	J. Phys. A: Math. Gen.	1.779	4	5	9
493	Meas. Sci. Technol.	0.708	7	2	9
494	Monatsh. Chem.	0.618	6	3	9
495	Nucleosides Nucleotides	1.413	2	7	9

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Sr. No.	Journal Title	Impact Factor	No. of Papers		
			1990	1994	Total
496	Opt. Laser Technol.	na	8	1	9
497	Org. Mass Spectrom.	1.630	6	3	9
498	Polym. Mater. Sci. Eng.	na	5	4	9
499	Proc. Intersoc. Energy Convers. Eng. Conf.	na	6	3	9
500	Propellants	na	5	4	9
501	Surf. Sci.	2.745	4	5	9
502	Synth. Met.	1.283	3	6	9
503	Tenside	na	4	5	9
504	Tetrahedron: Asymmetry	2.954	2	7	9
505	Text. Res. J.	0.580	9		9
506	Fresenius Environ. Bull.	na		9	9
507	Indian Ceram.	na		9	9
508	Int. J. Pressure Vessels Piping	0.180		9	9
509	Microbiol. Res.	na		9	9
510	Modell.	na		9	9
511	Nucl. Geophys.	0.194		9	9
512	Sol. Phys.	1.254		9	9
513	Ann. Bot. (London)	1.066	8		8
514	Aust. J. Phys.	0.629	1	7	8
515	Biochem. Med. Metab. Biol.	0.826	7	1	8
516	Biog. Amines	0.566	3	5	8
517	Bull. Soc. Chim. Fr.	1.156	7	1	8
518	Chem. Geol.	1.136	3	5	8
519	Cytobios	na	2	6	8
520	Dyes Pigm.	0.399	8		8
521	Environ. Technol.	0.581	2	6	8
522	Eur. J. Biochem.	3.578	3	5	8
523	Eur. J. Med. Chem.	0.775	2	6	8
524	Europhys. Lett.	na	2	6	8
525	Geosci. J.	na	2	6	8
526	Infect. Immun.	3.773	3	5	8
527	Int. J. Coal Geol.	0.471	6	2	8
528	Int. J. Environ. Anal. Chem.	0.973	8		8
529	J. Appl. Bacteriol.	1.599	4	4	8
530	J. Appl. Toxicol.	0.822	5	3	8
531	J. Ethnopharmacol.	0.500	5	3	8
532	J. Heterocycl. Chem.	0.602	7	1	8
533	J. Polym. Eng.	0.265	1	7	8
534	Mater. Trans.	0.752	3	5	8
535	Metall. Trans. A	1.460	8		8
536	Methods Find. Exp. Clin. Pharmacol.	0.484	6	2	8
537	Miner. Eng.	0.381	7	1	8
538	Mon. Not. R. Astron. Soc.	3.089	4	4	8
539	Mycopathologia	1.050	6	2	8

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Sr. No.	Journal Title	Impact Factor	No. of Papers		
			1990	1994	Total
540	Nucl. Technol.	0.402	5	3	8
541	PM 1990's	na	8		8
542	Pharmacol. Res.	0.315	6	2	8
543	Phys. Chem. Glasses	1.000	5	3	8
544	Plant Physiol.	3.542	2	6	8
545	Polym. Commun.	na	8		8
546	Polym. Degrad. Stab.	0.815	2	6	8
547	Polym. Eng. Sci.	0.858	2	6	8
548	Polym. Prepr. (Am. Chem. Soc.	na	2	6	8
549	Proc. - Electrochem. Soc.	na	2	6	8
550	Prostaglandins	1.316	3	5	8
551	React. Polym.	0.600	2	6	8
552	Rubber India	na	3	5	8
553	SEASIS Q.	na	5	3	8
554	Sep. Sci. Technol.	0.838	2	6	8
555	Sol. Energy Mater.	0.667	8		8
556	Steel India	na	8		8
557	Theor. Appl. Genet.	2.536	2	6	8
558	Zeolites	1.829	4	4	8
559	Explor. Res. At. Miner.	na		8	8
560	FEMS Immunol. Med. Microbiol.	1.006		8	8
561	Microbiology (Reading	na		8	8
562	Nat. Prod. Lett.	na		8	8
563	Proc. Natl. Semin. Ind. Gases	na		8	8
564	Stud. Surf. Sci. Catal.	na		8	8
565	Trends Life Sci.	na		8	8
566	Acta Biotechnol.	0.321	2	5	7
567	Adv. Hydrogen Energy	na	7		7
568	Anal. Biochem.	2.313	3	4	7
569	Arch. Microbiol.	2.126	4	3	7
570	Arch. Toxicol.	1.580	5	2	7
571	Biomaterials	1.576	6	3	9
572	Br. Vet. J.	0.680	6	1	7
573	Can. J. Microbiol.	1.290	6	1	7
574	Desalination	na	4	3	7
575	Ferrite Mater.	na	7		7
576	Hadronic J. Suppl.	na	3	4	7
577	High Temp. Mater. Processes	na	6	1	7
578	Hung. J. Ind. Chem.	0.120	2	5	7
579	Indian Bot. Contactor	na	4	3	7
580	Int. J. Crude Drug Res.	na	7		7
581	Int. J. Mass Spectrom. Ion Processes	2.122	4	3	7
582	Interceram	na	4	3	7
583	J. Agron. Crop Sci.	0.192	4	3	7
584	J. Electroanal. Chem. Interfacial Electrochem.	2.020	7		7

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Sr. No.	Journal Title	Impact Factor	No. of Papers		
			1990	1994	Total
585	J. Gen. Microbiol.	2.237	7		7
586	J. Inclusion Phenom. Mol. Recognit. Chem.	0.839	2	5	7
587	J. Pharm. Biomed. Anal.	na	1	6	7
588	J. Plant Nutr.	0.589	2	5	7
589	J. Soc. Dyers Colour.	0.315	4	3	7
590	Metall. Trans. B	1.059	7		7
591	Microbios	0.318	2	5	7
592	Mutagenesis	2.381	4	3	7
593	Neurochem. Res.	1.576	3	4	7
594	Nucl. Phys. B	3.722	6	1	7
595	Photosynth. Res.	2.903	5	2	7
596	Plant Cell	8.847	7		7
597	Proc. Natl. Acad. Sci. U. S. A.	na	2	5	7
598	Solid-State Electron.	0.759	3	4	7
599	Sulfur Lett.	na	6	1	7
600	Theor. Chim. Acta	1.750	2	5	7
601	Fish. Technol.	na		7	7
602	Haryana Agric. Univ. J. Res.	na		7	7
603	Heat Transfer 1994	na		7	7
604	Int. J. Pharmacogn.	0.200		7	7
605	J. At. Miner. Sci.	na		7	7
606	J. Chem. Crystallogr.	na		7	7
607	J. Phase Equilib.	na		7	7
608	Kautsch. Gummi Kunstst.	0.355		7	7
609	Nahrung	0.196		7	7
610	Precambrian Res.	1.145		7	7
611	Solid Solid Phase Transform.	na		7	7
612	Trans. Mater. Res. Soc. Jpn.	na		7	7
613	Acta Agron. Hung.	na	6		6
614	Acta Virol. (Engl. Ed.)	0.347	1	5	6
615	Afinidad	0.096	5	1	6
616	Ann. N. Y. Acad. Sci.	0.868	2	4	6
617	Ann. Nutr. Metab.	0.482	2	4	6
618	Biochem. Physiol. Pflanz.	0.565	6		6
619	Cell Chromosome Res.	na	1	5	6
620	Cereal Chem.	0.810	3	3	6
621	Chem. Eng. Res. Des.	0.488	2	4	6
622	Chem. Mater.	2.679	1	5	6
623	Commun. Soil Sci. Plant Anal.	0.394	1	5	6
624	Coord. Chem. Rev.	3.171	1	5	6
625	Corrosion (Houston)	0.467	4	2	6
626	Health Phys.	0.906	4	2	6
627	Heat Recovery Syst. CHP	0.284	2	4	6
628	Hum. Exp. Toxicol.	0.697	1	5	6
629	IAHS Publ.	na	1	5	6

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Sr. No.	Journal Title	Impact Factor	No. of Papers		
			1990	1994	Total
630	Int. J. Polym. Mater.	0.160	2	4	6
631	J. Chem. Ecol.	1.048	2	4	6
632	J. Chem. Inf. Comput. Sci.	1.803	1	5	6
633	J. Electron Spectrosc. Relat. Phenom.	1.274	4	2	6
634	J. Endocrinol.	2.495	2	4	6
635	J. Pharm. Sci.	1.310	2	4	6
636	J. Phys. Org. Chem.	1.114	4	2	6
637	Liq. Cryst.	1.423	3	3	6
638	Mahasagar	na	6		6
639	Metalloorg. Khim.	na	6		6
640	Microbios. Lett.	na	6		6
641	NATO ASI Ser.	na	3	3	6
642	Neurosci. Lett.	2.703	4	2	6
643	Nucl. Med. Biol.	1.132	4	2	6
644	Optik (Stuttgart)	0.569	4	2	6
645	Pestic. Biochem. Physiol.	1.851	3	3	6
646	Pharmacol. Toxicol. (Copenhagen)	1.078	2	4	6
647	Pigm. Resin Technol.	na	3	3	6
648	Polym. Bull. (Berlin)	0.931	5	1	6
649	Polym. J. (Tokyo)	0.905	1	5	6
650	Proc. Int. Pyrotech. Semin.	na	2	4	6
651	Proc. R. Soc. London	na	1	5	6
652	Radioisotopes	na	4	2	6
653	Res. Bull. Panjab Univ.	na	4	2	6
654	Solvent Extr. Ion Exch.	0.869	2	4	6
655	Surf. Coat. Technol.	0.901	1	5	6
656	Toxicol. Lett.	1.112	3	3	6
657	Toxicology	1.274	3	3	6
658	Transfer RNAs Other Soluble RNAs	na	6		6
659	Trop. Ecol.	na	4	2	6
660	Vaccine	2.189	1	5	6
661	Z. Angew. Zool.	na	2	4	6
662	Agric. Sci. Dig.	na		6	6
663	Biosens. Bioelectron.	1.858		6	6
664	Comp. Biochem. Physiol.	0.685		6	6
665	Earth Planet. Sci. Lett.	2.951		6	6
666	Environ. Geol. (Berlin)	0.325		6	6
667	Indian J. Nat. Rubber Res.	na		6	6
668	Indira Gandhi Cent. At. Res.	na		6	6
669	Int. Commun. Heat Mass Transfer	0.282		6	6
670	Int. J. Mod. Phys. B	0.860		6	6
671	J. Mater. Chem.	1.524		6	6
672	J. Opt. Soc. Am. B	2.157		6	6

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Table I

Sr. No.	Journal Title	Impact Factor	No. of Papers		
			1990	1994	Total
673	Key Eng. Mater.	na		6	6
674	Microporous Mater.	1.429		6	6
675	NASA Conf. Publ.	na		6	6
676	Nanostruct. Mater.	1.424		6	6
677	Novel Appl. Lasers	na		6	6
678	Org. Geochem.	1.293		6	6
679	Plast.	na		6	6
680	Sep. Technol.	0.838		6	6
681	ACS Symp. Ser.	0.828	3	2	5
682	Acta Physiol. Hung.	na	3	2	5
683	Andrologia	0.693	2	3	5
684	Arch. Int. Pharmacodyn. Ther.	0.787	3	2	5
685	At. Spectrosc.	0.828	3	2	5
686	Biol. Met.	na	5		5
687	Biomed. Chromatogr.	0.977	1	4	5
688	Bull. Soc. Chim. Belg.	0.354	1	4	5
689	Cytologia	na	4	1	5
690	Czech. J. Phys.	0.330	4	1	5
691	Drug Des. Delivery	na	5		5
692	Electrochim. Acta	1.481	1	4	5
693	Exp. Mol. Pathol.	0.988	4	1	5
694	Fuel Process. Technol.	0.518	1	4	5
695	Gerontology (Basel)	na	1	4	5
696	Horm. Metab. Res.	0.735	2	3	5
697	IEEE Trans. Plasma Sci.	0.969	1	4	5
698	Immunopharmacol. Immunotoxicol.	0.653	2	3	5
699	Indian Biol.	0.349	1	4	5
700	Indian J. Hosp. Pharm.	na	2	3	5
701	Inst. Chem. Eng. Symp. Ser.	na	2	3	5
702	Int. J. Biol. Macromol.	1.541	2	3	5
703	Int. J. Immunopharmacol.	1.170	3	2	5
704	Int. J. Parasitol.	0.917	3	2	5
705	J. Adhes. Sci. Technol.	0.971	3	2	5
706	J. Controlled Release	1.526	5		5
707	J. Exp. Bot.	1.463	3	2	5
708	J. Food Sci.	0.872	5		5
709	J. Hortic. Sci.	0.548	4	1	5
710	J. Invertebr. Pathol.	0.996	4	1	5
711	J. Liq. Chromatogr.	1.432	4	1	5
712	J. Lumin.	1.173	3	2	5
713	J. Med. Chem.	3.784	5		5
714	J. Prakt. Chem.	0.447	5		5
715	Lectins: Biol.	na	5		5
716	Light Met. (Warrendale	na	2	3	5
717	Microbiol. Immunol.	1.164	1	4	5
718	Microelectron. J.	na	3	2	5

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Table I

Sr. No.	Journal Title	Impact Factor	No. of Papers		
			1990	1994	Total
719	Mineral. Mag.	0.455	4	2	6
720	Mol. Biol. Rep.	1.691	3	2	5
721	Mol. Phys.	1.923	3	2	5
722	Nucl. Sci. Eng.	0.483	2	3	5
723	Nucl. Tracks Radiat. Meas.	0.334	5		5
724	Nutr. Cancer	2.175	2	3	5
725	Physiol. Plant.	1.507	2	3	5
726	Plant Growth Regul.	0.913	2	3	5
727	Planta Med.	na	1	4	5
728	Prog. Clin. Biol. Res.	na	5		5
729	Prog. Theor. Phys.	1.182	3	2	5
730	Recryst. '90	na	5		5
731	Res. Chem. Intermed.	0.867	5		5
732	Sadhana	na	3	2	5
733	Scand. J. Metall.	0.122	2	3	5
734	Spectrosc. Lett.	0.341	3	2	5
735	Stroit. Mater.	na	5		5
736	Therionogenology	1.967	4	1	5
737	Therm. Conduct.	na	1	4	5
738	Toxicol. in Vitro	0.837	1	4	5
739	Trans. Am. Foundrymen's Soc.	na	5		5
740	Vet. Hum. Toxicol.	0.288	3	2	5
741	Z. Phys. A: At. Nucl.	1.326	5		5
742	Zentralbl. Mikrobiol.	na	5		5
743	Adv. Space Res.	na		5	5
744	Appl. Phys. (N. Y.)	1.765		5	5
745	Bangladesh J. Sci. Ind. Res.	na		5	5
746	BioMetals	1.576		5	5
747	BioTechniques	2.251		5	5
748	Boll. Chim. Farm.	na		5	5
749	Carcinogenesis	2.904		5	5
750	Immunol. Cell Biol.	1.195		5	5
751	Int. J. Self-Propag. High-Temp. Synth.	na		5	5
752	J. AOAC Int.	na		5	5
753	J. Appl. Anim. Res.	na		5	5
754	J. Parasitol. Appl. Anim. Biol.	na		5	5
755	Korean J. Genet.	na		5	5
756	Mater. Sci. Forum	na		5	5
757	Metall. Mater. Trans. B	na		5	5
758	Mikrobiol.	na		5	5
759	New Phytol.	1.896		5	5
760	Nutr. Res. (N. Y.)	0.469		5	5
761	Pharmacol.	1.019		5	5
762	Phykos	na		5	5
763	Proc. Int. Conf. Radiat.	na		5	5

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Sr. No.	Journal Title	Impact Factor	No. of Papers		
			1990	1994	Total
	Shielding				
764	Renewable Energy	na		5	5
765	Rev. Anal. Chem.	na		5	5
766	Rubber Chem. Technol.	1.056		5	5
767	Trans. Inst. Min. Metall.	na		5	5
768	Acta Physiol. Plant.	0.058	2	2	4
769	Agric.	na	1	3	4
770	Anim. Feed Sci. Technol.	0.669	2	2	4
771	Antonie van Leeuwenhoek	1.190	3	1	4
772	Arabian J. Sci. Eng.	0.184	3	1	4
773	Arch. Androl.	0.500	3	1	4
774	Biochem. Cell Biol.	1.062	3	1	4
775	Biochem. Genet.	0.726	2	2	4
776	Biosci. Rep.	0.872	2	2	4
777	Biotechnol. Bioeng.	4.474	3	1	4
778	Carbon	na	1	3	4
779	Cem. Concr. Compos.	0.716	3	1	4
780	Cereal Res. Commun.	0.102	2	2	4
781	Chem. Ecol.	na	1	3	4
782	Chem. Pap.	0.224	1	3	4
783	Compos. Sci. Technol.	0.493	2	2	4
784	Comput. Chem.	1.380	2	2	4
785	Crop Prot.	0.441	1	3	4
786	Dev. Plant Soil Sci.	na	4		4
787	Energy (Oxford)	0.427	1	3	4
788	Environ. Exp. Bot.	0.907	2	2	4
789	Fett Wiss. Technol.	0.537	2	2	4
790	Free Radical Biol. Med.	4.175	1	3	4
791	Genome	1.623	1	3	4
792	Geochim. Cosmochim. Acta	2.831	1	3	4
793	High Temp. - High Pressures	na	2	2	4
794	Hydrobiologia	0.592	2	2	4
795	IEEE Trans. Compon.	0.447	1	3	4
796	Indian J. Chem. Sci.	0.293	4		4
797	Infrared Phys.	na	4		4
798	Int. DATA Ser.	na	4		4
799	Int. J. Electron.	0.258	3	1	4
800	Int. J. Fatigue	na	1	3	4
801	Int. Pest Control	na	1	3	4
802	J. Bangladesh Acad. Sci.	na	3	1	4
803	J. Biochem. Biophys. Methods	1.106	2	2	4
804	J. Carbohydr. Chem.	1.393	1	3	4
805	J. Coffee Res.	na	4		4
806	J. Electron. Mater.	1.238	1	3	4
807	J. Energ. Mater.	na	1	3	4
808	J. Hydrol. (Amsterdam)	0.779	4		4
809	J. Immunol. Methods	2.029	1	3	4

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Table I

Sr. No.	Journal Title	Impact Factor	No. of Papers		
			1990	1994	Total
810	J. Mod. Opt.	1.005	3	1	4
811	J. Quant. Spectrosc. Radiat. Transfer	1.600	2	2	4
812	J. Reprod. Fertil.	1.802	2	2	4
813	J. Steroid Biochem. Mol. Biol.	1.676	2	2	4
814	J. Test. Eval.	0.243	2	2	4
815	J. Theor. Biol.	1.124	2	2	4
816	J. Vac. Sci. Technol.	1.771	3	1	4
817	Liebigs Ann. Chem.	1.183	3	1	4
818	Mater. Character.	0.366	1	3	4
819	Mech. Ageing Dev.	1.124	2	2	4
820	Microelectron. Reliab.	0.152	4		4
821	Neurochem. Int.	1.434	1	3	4
822	Oncology	1.398	3	1	4
823	Opt. Lett.	2.525	3	1	4
824	Oxid. Met.	1.560	1	3	4
825	Philipp. J. Sci.	na	1	3	4
826	Philos. Mag. A	1.493	2	2	4
827	Philos. Mag. Lett.	1.451	1	3	4
828	Phys. News (Bombay)	na	2	2	4
829	Phys. Rep.	6.541	2	2	4
830	Physica A (Amsterdam)	1.310	1	3	4
831	Plant Mol. Biol.	3.415	3	1	4
832	Prog. Cryst. Growth Character. Mater.	0.688	2	2	4
833	Prog. Drug Res.	na	2	2	4
834	Protein Eng.	4.062	1	3	4
835	Radiat. Environ. Biophys.	0.873	3	1	4
836	Radiat. Res.	2.314	4		4
837	Reprod. Toxicol.	0.908	3	1	4
838	Res. Exp. Med.	0.571	2	2	4
839	Res. Vet. Sci.	0.727	3	1	4
840	Silic. Ind.	na	3	1	4
841	Soil Sci.	0.887	2	2	4
842	Sol. Cells	na	4		4
843	Tellus	0.809	2	2	4
844	Trans. Powder Metall. Assoc. India	na	4		4
845	Tribol. Int.	0.239	2	2	4
846	Vet. Parasitol.	0.864	3	1	4
847	World Cem.	na	1	3	4
848	Z. Pflanzenkrankh. Pflanzenschutz	0.208	1	3	4
849	Z. Phys. B: Condens. Matter	2.093	2	2	4
850	Zentralbl. Bakteriolog.	na	1	3	4
851	ACH - Models Chem.	na		4	4
852	Anal. Proc.	na		4	4

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Sr. No.	Journal Title	Impact Factor	No. of Papers		
			1990	1994	Total
853	Angew. Chem.	6.327		4	4
854	Arch. Int. Physiol.	0.467		4	4
855	Arid Soil Res. Rehabil.	0.087		4	4
856	Aust. J. Dairy Technol.	0.333		4	4
857	Biol. Mem.	0.230		4	4
858	Biomed. Lett.	1.425		4	4
859	Clin. Chem. Enzymol. Commun.	2.377		4	4
860	Conf. Rec. IEEE Int. Symp. Electr. Insul.	na		4	4
861	Earth	na		4	4
862	Fiz. A	na		4	4
863	IEEE Trans. Magn.	0.758		4	4
864	Indian J. Genet. Plant Breed.	na		4	4
865	Indian Rev. Life Sci.	na		4	4
866	Infrared Phys. Technol.	0.483		4	4
867	Int. J. Fertil. Menopausal Stud.	0.363		4	4
868	J. Assam Sci. Soc.	na		4	4
869	J. Immunol.	7.383		4	4
870	J. Mater. Eng. Perform.	0.150		4	4
871	J. Nutr. Biochem.	1.015		4	4
872	J. Pharm. Pharmacol.	0.887		4	4
873	J. Supercond.	1.360		4	4
874	Klaus Schulze Symp. Process. Appl. High Purity Ref	na		4	4
875	Mar. Geol.	1.061		4	4
876	Med. Chem. Res.	na		4	4
877	Polym. Adv. Technol.	na		4	4
878	Rubber Prod. Manuf. Technol.	na		4	4
879	Superalloys 718	na		4	4
880	Trop. Agric. (Trinidad)	0.098		4	4
881	Urolithiasis 2	na		4	4
882	Vet. Microbiol.	0.979		4	4
883	Z. Phys. A: Hadrons Nucl.	1.326		4	4
884	Acta Microbiol. Hung.	0.083	3		3
885	Acta Phys. Slovaca	na	1	2	3
886	Adv. Cem. Res.	na	1	2	3
887	Adv. Environ. Sci. Technol.	na	2	1	3
888	Agents Actions	0.923	1	2	3
889	Am. Concr. Inst.	na	1	2	3
890	An. Quim.	0.171	1	2	3
891	Anal. Sci.	0.979	2	1	3
892	Anim. Reprod. Sci.	0.855	3		3
893	Ann. Chim. (Rome)	0.436	2	1	3
894	Ann. Phys. (N. Y.)	1.979	3		3
895	Arch. Environ. Contam. Toxicol.	1.182	2	1	3

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Sr. No.	Journal Title	Impact Factor	No. of Papers		
			1990	1994	Total
896	Arch. Exp. Veterinaermed.	na	3		3
897	Arch. Int. Physiol. Biochim.	0.467	3		3
898	Arogya (Manipal	na	3		3
899	Aufbereit.-Tech.	na	2	1	3
900	Ber. Bunsen-Ges. Phys. Chem.	1.230	1	2	3
901	Biochem. Educ.	na	1	2	3
902	Biol. Reprod.	2.666	2	1	3
903	Biophys. J.	4.247	1	2	3
904	Brain Res.	2.869	2	1	3
905	Can. Metall. Q.	0.354	1	2	3
906	Chem. Eng. Process.	0.500	3		3
907	Chromatographia	0.657	2	1	3
908	Chromosoma	2.513	1	2	3
909	Clays Clay Miner.	0.971	1	2	3
910	Clin. Chim. Acta	0.958	2	1	3
911	Clin. Exp. Pharmacol. Physiol.	1.184	2	1	3
912	Dev.	na	1	2	3
913	Econ. Bot.	0.313	3		3
914	Endocr. Res.	0.744	2	1	3
915	Euphytica	0.579	1	2	3
916	Exp. Pathol.	0.988	3		3
917	Fish Physiol. Biochem.	1.824	1	2	3
918	Fizika (Zagreb)	na	3		3
919	Food Addit. Contam.	0.512	2	1	3
920	Forsch. Ingenieurwes.	0.118	2	1	3
921	Gas Sep. Purif.	na	1	2	3
922	Genetica (The Hague)	4.871	3		3
923	Glass Technol.	0.188	2	1	3
924	Hydrocarbon Process.	0.199	1	2	3
925	IEE Proc.	na	3		3
926	IEEE J. Quantum Electron.	2.595	2	1	3
927	Immunol. Invest.	0.968	2	1	3
928	Immunology	2.291	3		3
929	Indian J. Theor. Phys.	na	1	2	3
930	Inorg. Synth.	11.600	3		3
931	Int. Annu. Conf. ICT	na	1	2	3
932	Int. J. Androl.	1.424	1	2	3
933	Int. J. Cancer	3.276	2	1	3
934	Int. J. Lepr. Other Mycobact. Dis.	0.980	2	1	3
935	J. Biomater. Appl.	1.418	2	1	3
936	J. Biomater. Sci.	1.418	1	2	3
937	J. Biomed. Mater. Res.	2.104	3		3
938	J. Chromatogr. Sci.	2.315	2	1	3
939	J. Enzyme Inhib.	1.017	2	1	3
940	J. Eur. Ceram. Soc.	0.760	2	1	3
941	J. Fish Biol.	0.820	1	2	3

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Sr. No.	Journal Title	Impact Factor	No. of Papers		
			1990	1994	Total
942	J. Food Biochem.	0.592	1	2	3
943	J. Hazard. Mater.	0.497	1	2	3
944	J. Heat Transfer	0.960	2	1	3
945	J. Immunoassay	0.549	1	2	3
946	J. Inst. Energy	na	1	2	3
947	J. Low Temp. Phys.	1.213	3		3
948	J. Mater. Eng.	0.150	3		3
949	J. Metamorph. Geol.	1.886	2	1	3
950	J. Microbiol. Methods	1.086	1	2	3
951	J. Neurochem.	4.525	1	2	3
952	J. Plasma Phys.	0.615	3		3
953	J. Protein Chem.	1.304	3		3
954	J. Soc. Leather Technol. Chem.	0.220	1	2	3
955	J. Trace Elem. Exp. Med.	0.600	2	1	3
956	J. Vet. Med.	0.416	2	1	3
957	J. Vet. Pharmacol. Ther.	0.675	1	2	3
958	Makromol. Chem.	na	3		3
959	Mar. Pollut. Bull.	0.932	3		3
960	Met. Ceram. Matrix Compos.: Process.	na	3		3
961	Microelectron. Eng.	0.414	1	2	3
962	Milchwissenschaft	0.508	2	1	3
963	Miner. Metall. Process.	na	2	1	3
964	Mol. Reprod. Dev.	na	1	2	3
965	Neuroendocrinol. Lett.	0.703	1	2	3
966	Nucl. Med. Commun.	1.078	1	2	3
967	Oil Gas J.	0.089	1	2	3
968	Opt. Quantum Electron.	1.303	1	2	3
969	Physiol. Behav.	1.110	1	2	3
970	Physiol. Chem. Phys. Med. NMR	0.295	3		3
971	Plasma Phys. Controlled Fusion	2.056	2	1	3
972	Plast. Rubber Process. Appl.	0.400	3		3
973	Plat. Surf. Finish.	0.122	1	2	3
974	Polym. Compos.	0.719	1	2	3
975	Powder Metall. Int.	0.311	3		3
976	Proc. - Annu. Int. Pittsburgh Coal Conf.	na	1	2	3
977	Prog. Polym. Sci.	2.740	2	1	3
978	Prostate (N. Y.)	2.708	2	1	3
979	Radiobiol.	na	3		3
980	React. Solids	na	3		3
981	Res. Commun. Chem. Pathol. Pharmacol.	0.780	3		3
982	Rev. Chem. Eng.	0.176	1	2	3
983	Rev. Phys. Appl.	na	3		3
984	Rev. Solid State Sci.	na	3		3
985	Soil Biol. Biochem.	1.127	2	1	3

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Sr. No.	Journal Title	Impact Factor	No. of Papers		
			1990	1994	Total
986	Spec. Publ. - R. Soc. Chem.	na	2	1	3
987	Stud. High Temp. Supercond.	na	3		3
988	Tappi J.	0.357	1	2	3
989	Thromb. Res.	1.165	1	2	3
990	Trace Elem. Med.	na	3		3
991	Trans. Indian Soc. Desert Technol.	na	3		3
992	Trop. Pest Manage.	0.069	3		3
993	Water Sci. Technol.	0.665	2	1	3
994	ZKG Int.	na	2	1	3
995	Acta Microbiol. Immunol. Hung.	na		3	3
996	Ammonia Plant Saf. Relat. Facil.	na		3	3
997	Anti-Corros. Methods Mater.	na		3	3
998	Appl. Clay Sci.	na		3	3
999	Appl. Spectrosc.	1.408		3	3
1000	Biofouling	na		3	3
1001	Biomass Bioenergy	na		3	3
1002	Biophys. Chem.	1.157		3	3
1003	Bot. Mar.	0.688		3	3
1004	Chem. Pharm. Bull.	1.099		3	3
1005	Chem. Rev. (Washington	14.240		3	3
1006	Colloq. INRA	na		3	3
1007	Corros. Rev.	na		3	3
1008	Diamond Relat. Mater.	2.017		3	3
1009	Ecotoxicology	1.290		3	3
1010	Eisei Dobutsu	na		3	3
1011	Environ. Toxicol. South East Asia	1.551		3	3
1012	Epithelial Cell Biol.	na		3	3
1013	Exp. Cell Res.	2.980		3	3
1014	Ferrocem.	na		3	3
1015	Fullerene Sci. Technol.	na		3	3
1016	Heat Transfer 1994: Ind. Sess. Pap.	na		3	3
1017	Heteroat. Chem.	0.575		3	3
1018	Heterocycl. Commun.	0.982		3	3
1019	Hum. Reprod.	2.130		3	3
1020	Hybrid Circuits	na		3	3
1021	Hybridoma	0.910		3	3
1022	Indian J. Radio Space Phys.	0.075		3	3
1023	Int. J. Food Sci. Nutr.	na		3	3
1024	Int. J. Refrig.	0.687		3	3
1025	J. Aerosol Sci.	na		3	3
1026	J. Atmos. Terr. Phys.	0.892		3	3
1027	J. Electron Microsc.	na		3	3
1028	J. Environ. Pathol.	na		3	3

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Sr. No. .	Journal Title	Impact Factor	No. of Papers		
			1990	1994	Total
1029	J. Phys. IV	0.115		3	3
1030	Lect. Methods Electron. Struct. Calc.	na		3	3
1031	Macromol. Chem. Phys.	1.350		3	3
1032	Mater. High Temp.	0.203		3	3
1033	Met. Ions Biol. Med.	2.160		3	3
1034	Nucl. Eng. Des.	0.111		3	3
1035	Opt. Pura Apl.	na		3	3
1036	Organometallics	2.882		3	3
1037	Parfuem. Kosmet.	na		3	3
1038	Prep. Biochem.	0.436		3	3
1039	Proc. Int. Symp. Capture Gamma-Ray Spectrosc. Rela	na		3	3
1040	Process Biochem. (Barking	1.114		3	3
1041	Process Biochem. (Oxford)	1.114		3	3
1042	Process Technol. Proc.	na		3	3
1043	Protein Expression Purif.	1.822		3	3
1044	Radiat. Meas.	na		3	3
1045	Solid State Nucl. Magn. Reson.	na		3	3
1046	Trans. Soc. Min.	na		3	3
1047	Vib. Spectrosc.	1.098		3	3
1048	Acta Trop.	1.431	1	1	2
1049	Adv. Contracept. Delivery Syst.	1.914	1	1	2
1050	Adv. Cryog. Eng.	na	1	1	2
1051	Alcohol Alcohol.	1.026	2		2
1052	Analisis	0.588	1	1	2
1053	Ann. Appl. Biol.	0.405	1	1	2
1054	Antimicrob. Agents Chemother.	3.180	1	1	2
1055	Arch. Gerontol. Geriatr.	0.779	1	1	2
1056	Arch. Pharm. (Weinheim	0.539	2		2
1057	At. Energy	0.094	2		2
1058	Behav. Neural Biol.	2.199	2		2
1059	BioFactors	2.500	1	1	2
1060	BioSystems	1.374	2		2
1061	Biol. Neonate	0.757	2		2
1062	Biovigyanam	na	2		2
1063	Br. Ceram. Trans. J.	0.170	2	2	4
1064	Br. J. Cancer	3.188	2		2
1065	Br. J. Nutr.	1.199	1	1	2
1066	Bull. Chem. Soc. Ethiop.	na	2		2
1067	Can. J. Bot.	0.788	2		2
1068	Cancer Biochem. Biophys.	na	1	1	2
1069	Carcinogenesis (London)	na	2		2
1070	Chem.	na	2		2
1071	Chem. Lett.	1.436	1	1	2
1072	Chem. Organophosphorus Compd.	na	1	1	2

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Table 1

Sr. No.	Journal Title	Impact Factor	No. of Papers		
			1990	1994	Total
1073	Chem. Phys. Lipids	1.281	1	1	2
1074	Chem.-Biol. Interact.	1.490	2		2
1075	Chem.-Ing.-Tech.	na	2		2
1076	Chemtracts: Anal.	na	2		2
1077	Classical Quantum Gravity	1.652	2		2
1078	Conf. Proc. - Annu. Conf. Cold Fusion	na	2		2
1079	Contemp. Electroanal. Chem.	na	2		2
1080	Contrib. Mineral. Petrol.	2.319	1	1	2
1081	Curr. Med. Pract.	na	1	1	2
1082	Curr. Opin. Immunol.	6.700	2		2
1083	Drug Chem. Toxicol. (1977)	0.532	1	1	2
1084	Drug Dev. Res.	1.535	1	1	2
1085	Egypt. J. Chem.	na	1	1	2
1086	Endocrinol. Jpn.	1.006	2		2
1087	Energy Biomass Wastes	na	2		2
1088	Energy Sources	0.150	1	1	2
1089	Entomophaga	0.248	2		2
1090	Environ. Ser.	na	2		2
1091	Epilepsia (N. Y.)	2.394	1	1	2
1092	Erzmetall	na	1	1	2
1093	Exot. Nucl. Spectrosc.	na	2		2
1094	Exp. Agric.	0.518	2		2
1095	Exp. Therm. Fluid Sci.	0.599	1	1	2
1096	Fire Saf. J.	0.278	2		2
1097	Fiz. Khim. Obrab. Mater.	na	2		2
1098	Folia Biol. (Krakow)	0.125	1	1	2
1099	Fortschr. Phys.	0.800	1	1	2
1100	Gartenbauwissenschaft	0.198	1	1	2
1101	Glass Udyog	na	2		2
1102	High Temp. Mater. Power Eng.	na	2		2
1103	High Temp. Sci.	na	2		2
1104	High Temp. Technol.	na	2		2
1105	Immunol. Lett.	1.223	2		2
1106	Immunopharmacology	1.286	1	1	2
1107	Indian J. Nat. Prod.	na	2		2
1108	Inorg. Met.-Containing Polym. Mater.	0.138	2		2
1109	Int. J. Food Microbiol.	1.321	1	1	2
1110	Int. J. Heat Fluid Flow	0.653	1	1	2
1111	Int. Polym. Process.	0.427	1	1	2
1112	Ital. J. Biochem.	0.379	1	1	2
1113	J. - Assoc. Off. Anal. Chem.	na	2		2
1114	J. Adhes.	0.636	1	1	2
1115	J. Am. Leather Chem. Assoc.	0.093	2		2
1116	J. Anal. Appl. Pyrolysis	0.771	1	1	2
1117	J. Appl. Polym. Sci.: Appl.	0.870	1	1	2

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Table I

Sr. No.	Journal Title	Impact Factor	No. of Papers		
			1990	1994	Total
	Polym. Symp.				
1118	J. Bioact. Compat. Polym.	0.587	2		2
1119	J. Biochem. Toxicol.	1.407	2		2
1120	J. Chem. Eng. Jpn.	0.611	1	1	2
1121	J. Coat. Technol.	0.623	2		2
1122	J. Comp. Pathol.	0.770	2		2
1123	J. Environ. Eng. (N. Y.)	1.266	2		2
1124	J. Food Process. Preserv.	0.317	1	1	2
1125	J. Helminthol.	0.423	2		2
1126	J. Ind. Microbiol.	0.855	1	1	2
1127	J. Math. Chem.	1.032	2		2
1128	J. Med. Microbiol.	1.627	2		2
1129	J. Nucl. Sci. Technol.	0.446	1	1	2
1130	J. Nutr. Sci. Vitaminol.	0.585	2		2
1131	J. Petrol.	1.736	1	1	2
1132	J. Phytopathol.	0.348	2		2
1133	J. Pineal Res.	1.510	1	1	2
1134	J. Propul. Power	0.266	2		2
1135	J. Protozool.	1.518	2		2
1136	J. Tribol.	0.427	2		2
1137	J. Virol.	6.254	1	1	2
1138	J. Wood Chem. Technol.	0.763	1	1	2
1139	JOM	na	1	1	2
1140	Jpn. J. Physiol.	0.458	1	1	2
1141	Lebensm.-Wiss. Technol.	na	2		2
1142	Lens Eye Toxic. Res.	na	2		2
1143	Light Met. Age	na	2		2
1144	Linchan Huaxue Yu Gongye	na	1	1	2
1145	Lipids	1.530	1	1	2
1146	Mater. Perform.	0.118	1	1	2
1147	Meded. Fac. Landbouwwet.	na	2		2
1148	Metab.	1.941	1	1	2
1149	Microb. Pathog.	1.580	1	1	2
1150	Mol. Cell. Biol.	10.195	2		2
1151	Mol. Cell. Endocrinol.	2.599	2		2
1152	Mol. Chem. Neuropathol.	1.245	1	1	2
1153	Mol. Gen. Genet.	2.917	1	1	2
1154	NLGI Spokesman	na	1	1	2
1155	New J. Chem.	1.584	1	1	2
1156	New Polym. Mater.	0.000	1	1	2
1157	Nutrition (Burbank	0.710	2		2
1158	Oceanol. Acta	0.698	1	1	2
1159	Origins Life Evol. Biosphere	0.841	1	1	2
1160	PT-Procestech.	na	2		2
1161	Pak. J. Sci. Ind. Res.	na	1	1	2
1162	Pharmacology	1.019	2		2
1163	Philos. Trans. R. Soc. London	1.547	1	1	2

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Table I

Sr. No.	Journal Title	Impact Factor	No. of Papers		
			1990	1994	Total
1164	Phys. Chem. Miner.	1.730	2		2
1165	Phys. Fluids B	1.897	2		2
1166	Phytoparasitica	0.438	1	1	2
1167	Plant Cell Physiol.	1.957	1	1	2
1168	Plant Growth Subst. 1988	na	2		2
1169	Plasma Chem. Plasma Process.	1.380	1	1	2
1170	Powder Technol.	0.529	1	1	2
1171	Prog. Nucl. Energy	na	1	1	2
1172	Prog. Org. Coat.	0.407	1	1	2
1173	Publ. Astron. Soc. Jpn.	2.046	2		2
1174	Regul. Pept.	1.727	1	1	2
1175	Report	na	2		2
1176	Res. Microbiol.	1.720	1	1	2
1177	Rubber World	na	1	1	2
1178	Sci. Hortic. (Amsterdam)	0.458	1	1	2
1179	Sci. Technol. Thin Film Supercond. 2	na	2		2
1180	Soil Sci. Soc. Am. J.	1.231	2		2
1181	Sol. Energy	0.739	1	1	2
1182	Solid State Technol.	0.571	2		2
1183	Struct. Methods	na	2		2
1184	Stud. Cercet. Fiz.	na	2		2
1185	Stud. Conserv.	na	1	1	2
1186	Symmetries Sci. 4 [Proc. Symp.]	na	2		2
1187	Toxic. Assess.	na	2		2
1188	Werkst. Korros.	0.277	2		2
1189	Wood Fiber Sci.	0.429	1	1	2
1190	Zh. Anal. Khim.	na	2		2
1191	Zool. Jahrb.	0.355	2		2
1192	Allied Publ.: New Delhi	na		2	2
1193	Acta Hydrobiol.	na		2	2
1194	Actinide Process. Proc. Int. Symp	na		2	2
1195	Adsorpt. Sci. Technol.	na		2	2
1196	Appl. Supercond.	0.929		2	2
1197	Aquaculture	0.410		2	2
1198	Aquat. Bot.	0.793		2	2
1199	Arch. Environ. Health	1.813		2	2
1200	Asian-Australas. J. Anim. Sci.	na		2	2
1201	Aust. J. Chem.	0.903		2	2
1202	Berg- Huettenmaenn. Monatsh.	na		2	2
1203	BioEssays	6.017		2	2
1204	Biol. Rhythm Res.	na		2	2
1205	Biol. Signals	na		2	2
1206	Bioorg. Med. Chem.	1.425		2	2
1207	Biosci.	2.041		2	2

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Table I

Sr. No.	Journal Title	Impact Factor	No. of Papers		
			1990	1994	Total
1208	Biotechnol. Adv.	0.455	2	2	2
1209	Biotechnol. Agric. For.	na	2	2	2
1210	Bot. Bull. Acad. Sin.	0.262	2	2	2
1211	Br. Ceram. Proc.	na	2	2	2
1212	Bull. Magn. Reson.	na	2	2	2
1213	Cell Biol. Int.	1.042	2	2	2
1214	Cell Biophys.	na	2	2	2
1215	Chemotherapy (Basel)	0.842	2	2	2
1216	Chemtracts: Inorg. Chem.	na	2	2	2
1217	Clin. Exp. Immunol.	2.912	2	2	2
1218	Curr. Genet.	2.217	2	2	2
1219	Drug Des. Discovery	na	2	2	2
1220	Electron. Lett.	1.159	2	2	2
1221	Environ. Toxicol. Water Qual.	0.522	2	2	2
1222	Eur. J. Immunol.	5.664	2	2	2
1223	Eur. J. Solid State Inorg. Chem.	0.780	2	2	2
1224	Exp. Fluids	0.518	2	2	2
1225	Fatigue Fract. Eng. Mater. Struct.	0.423	2	2	2
1226	Funct. Dev. Morphol.	na	2	2	2
1227	Genet.	na	2	2	2
1228	Geoderma	0.616	2	2	2
1229	Glycoconjugate J.	2.682	2	2	2
1230	Handb. Sens. Actuators	na	2	2	2
1231	Hereditas (Lund	0.774	2	2	2
1232	IEEE Trans. Dielectr. Electr. Insul.	na	2	2	2
1233	In Vivo	na	2	2	2
1234	Ind. Health	0.304	2	2	2
1235	Insect Sci. Its Appl.	0.065	2	2	2
1236	Int. Biodeterior. Biodegrad.	0.175	2	2	2
1237	Int. Congr. Ser. - Excerpta Med.	na	2	2	2
1238	Int. Dairy J.	na	2	2	2
1239	Int. J. BioChemPhysics	na	2	2	2
1240	Int. J. Dev. Biol.	1.431	2	2	2
1241	Int. J. Food Sci. Technol.	0.603	2	2	2
1242	Int. J. Mater. Prod. Technol.	na	2	2	2
1243	Int. J. Radiat. Biol.	2.761	2	2	2
1244	Int. J. Refract. Met. Hard Mater.	na	2	2	2
1245	Iran. J. Chem. Chem. Eng.	na	2	2	2
1246	J. Cereal Sci.	1.221	2	2	2
1247	J. Dispersion Sci. Technol.	0.573	2	2	2
1248	J. Environ. Radioact.	0.505	2	2	2
1249	J. Labelled Compd. Radiopharm.	0.647	2	2	2

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Table I

Sr. No.	Journal Title	Impact Factor	No. of Papers		
			1990	1994	Total
1250	J. Med. Virol.	2.246		2	2
1251	J. Phys. III	0.475		2	2
1252	J. Physiol. Pharmacol.	na		2	2
1253	J. Reinf. Plast. Compos.	0.404		2	2
1254	J. Reprod. Immunol.	1.491		2	2
1255	J. Sol-Gel Sci. Technol.	na		2	2
1256	J. Toxicol.	na		2	2
1257	Lubr. Sci.	na		2	2
1258	Mach. Compos. Mater. II	na		2	2
1259	Mar. Georesour. Geotechnol.	0.150		2	2
1260	Mater. Des.	na		2	2
1261	Mater. Manuf. Processes	na		2	2
1262	Meat Sci.	0.773		2	2
1263	Med. Actual.	na		2	2
1264	Meteoritics	4.067		2	2
1265	Mol. Biochem. Parasitol.	3.063		2	2
1266	Neues Jahrb. Mineral.	na		2	2
1267	NeuroReport	3.079		2	2
1268	Neurotoxicol. Teratol.	1.896		2	2
1269	Nippon Noyaku Gakkaishi	na		2	2
1270	Novel Tech. Synth. Process. Adv. Mater.	na		2	2
1271	Nucleus (Calcutta)	na		2	2
1272	Nutrition (Syracuse)	0.710		2	2
1273	Parasitology	na		2	2
1274	Pharmacol. Commun.	na		2	2
1275	Pharmaceutike	na		2	2
1276	Phys. Fluids	1.897		2	2
1277	Phyton (Horn	na		2	2
1278	Polimery (Warsaw)	na		2	2
1279	Polym. Polym. Compos.	na		2	2
1280	Prepr. Pap. - Am. Chem. Soc.	na		2	2
1281	Proc. Int. Conf. Cem. Microsc.	na		2	2
1282	Proc. Int. Conf. Prop. Appl. Dielectr. Mater.	na		2	2
1283	Proc. Int. Symp. Controlled Release Bioact. Mater.	na		2	2
1284	Proc. Workshop Vitam. D	na		2	2
1285	Pyrometall. Complex Mater. Wastes	na		2	2
1286	Reprod.	na		2	2
1287	S.T.P. Pharma Sci.	na		2	2
1288	Sci. Tech. Froid	na		2	2
1289	Sol-Gel Opt.	na		2	2
1290	Sol-Gel Process. Appl.	na		2	2
1291	Surf. Coat. Int.	0.901		2	2
1292	Turk. J. Phys.	na		2	2

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Table I

Sr. No.	Journal Title	Impact Factor	No. of Papers		
			1990	1994	Total
1293	U.S. US 5306854 A 26 Apr 1994	na		2	2
1294	Zh. Neorg. Khim.	0.386		2	2
1295	Kluwer Academic Publishers: Dordrecht	na	1		1
1296	ACI Mater. J.	0.333	1		1
1297	Act. Nerv. Super.	na	1		1
1298	Acta Aliment.	0.117	1		1
1299	Acta Anaesthesiol. Scand.	0.939	1		1
1300	Acta Anat.	0.640	1		1
1301	Acta Diabetol. Lat.	0.769	1		1
1302	Acta Pharm. Turc.	na	1		1
1303	Acta Protozool.	0.435	1		1
1304	Acta Vet. Hung.	0.096	1		1
1305	Acta Vet. Scand.	0.275	1		1
1306	Adv. Appl. Microbiol.	2.000	1		1
1307	Adv. Behav. Biol.	na	1		1
1308	Adv. Biochem. Eng./Biotechnol.	na	1		1
1309	Adv. Contracept.	na	1		1
1310	Adv. Heterocycl. Chem.	1.957	1		1
1311	Adv. Powder Metall.	na	1		1
1312	Adv. Struct. Test.	na	1		1
1313	Adv. Supercond.	na	1		1
1314	Age Omaha	na	1		1
1315	Allergy (Copenhagen)	1.567	1		1
1316	Am. J. Enol. Vitic.	0.752	1		1
1317	Am. J. Trop. Med. Hyg.	1.788	1		1
1318	Ammonia Plant Saf.	na	1		1
1319	An. Asoc. Quim. Argent.	0.109	1		1
1320	Anal. Instrum. (N. Y.)	0.815	1		1
1321	Anat. Rec.	1.378	1		1
1322	Ann. Trop. Med. Parasitol.	0.581	1		1
1323	Anticancer Res.	1.066	1		1
1324	Appl. Energy	0.309	1		1
1325	Appl. Organomet. Chem.	1.389	1		1
1326	Arch. Geschwulstforsch.	na	1		1
1327	Arch. Immunol. Ther. Exp.	na	1		1
1328	Arh. Hig. Rada Toksikol.	na	1		1
1329	Asphalt Paving Technol.	na	1		1
1330	Aust. J. Biotechnol.	na	1		1
1331	Aust. J. Bot.	1.147	1		1
1332	Aust. J. Plant Physiol.	2.122	1		1
1333	Behav. Brain Res.	1.563	1		1
1334	Biochem. Syst. Ecol.	0.745	1		1
1335	Biomass	na	1		1
1336	Biomed. Biochim. Acta	na	1		1
1337	Biomimetic Polym.	na	1		1
1338	Bioprocess. Biotreat. Coal	na	1		1

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Table I

Pg: 31

Sr. No.	Journal Title	Impact Factor	No. of Papers	
			1990	1994 Total
1339	Bioseparation	na	1	1
1340	Bol. Soc. Quim. Peru	0.326	1	1
1341	Br. J. Non-Destr. Test.	0.147	1	1
1342	Bull. - Postgrad. Inst. Med. Educ. Res.	na	1	1
1343	Bull. Alloy Phase Diagrams	na	1	1
1344	Bull. Astron. Inst. Czech.	na	1	1
1345	Bull. Liaison - Groupe, Polyphenols	na	1	1
1346	Calcium Aluminate Cem.	na	1	1
1347	Calcium Intracell. Messenger Eucaryotic Microbes	na	1	1
1348	Can. J. Plant Sci.	0.407	1	1
1349	Cell. Mol. Biol.	na	1	1
1350	Chem. Biol. Pteridines	na	1	1
1351	Chem. Eng. Prog.	0.467	1	1
1352	Chem. Heterocycl. Compd.	na	1	1
1353	Chem. Rev.	14.240	1	1
1354	Clin. Chem. (Winston-Salem)	2.377	1	1
1355	Clin. Immunol. Immunopathol.	2.553	1	1
1356	Clin. Mater.	na	1	1
1357	Clin. Physiol. Biochem.	na	1	1
1358	Composites (Guildford)	0.821	1	1
1359	Comput. Chem. Eng.	0.641	1	1
1360	Conf. Rec. IEEE Photovoltaic Spec. Conf.	na	1	1
1361	Contact Dermatitis	0.832	1	1
1362	Contrib. Plasma Phys.	0.530	1	1
1363	Crit. Rev. Plant Sci.	4.146	1	1
1364	Crop Sci.	0.648	1	1
1365	Curr. Ther. Res.	0.436	1	1
1366	Deep-Sea Res.	2.946	1	1
1367	Dev. Comp. Immunol.	1.186	1	1
1368	Dhaka Univ. Stud.	na	1	1
1369	Dtsch. Lebensm.-Rundsch.	na	1	1
1370	Ekologiya (Sverdlovsk)	0.013	1	1
1371	Electr.	na	1	1
1372	Electr. Contacts	na	1	1
1373	Electrophoresis (Weinheim)	2.274	1	1
1374	Elektrokhimiya	na	1	1
1375	Environ. Geol. Water Sci.	na	1	1
1376	Environ. Mol. Mutagen.	2.847	1	1
1377	Erdoel	na	1	1
1378	Eur. J. Clin. Pharmacol.	1.038	1	1
1379	Eur. J. Mineral.	1.049	1	1
1380	Exp. Clin. Endocrinol.	0.644	1	1
1381	FEMS Microbiol. Ecol.	1.703	1	1

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Table I

Sr. No.	Journal Title	Impact Factor	No. of Papers		
			1990	1994	Total
1382	Farbe Lack	na	1		1
1383	Few-Body Syst.	1.377	1		1
1384	Flavour Fragrance J.	na	1		1
1385	Fleischwirtschaft	0.144	1		1
1386	Flora (Jena)	0.193	1		1
1387	Folia Morphol. (Prague)	na	1		1
1388	Forensic Sci. Int.	0.492	1		1
1389	GSI-Rep.	na	1		1
1390	Genet. Eng. Biotechnol.	na	1		1
1391	Geol. Zb.--Geol. Carpathica	na	1		1
1392	Geol. Zh. (Russ. Ed.)	na	1		1
1393	Gummi	na	1		1
1394	Gypsum Lime	na	1		1
1395	HTD (Am. Soc. Mech. Eng.)	na	1		1
1396	Helminthologia	na	1		1
1397	Herba Pol.	na	1		1
1398	Hist. Metall.	na	1		1
1399	Holzforschung	0.593	1		1
1400	Horm. Res.	0.808	1		1
1401	HortScience	0.435	1		1
1402	IEEE Trans. Nucl. Sci.	1.183	1		1
1403	Immunol. Today	22.047	1		1
1404	Indian Bot. Rep.	na	1		1
1405	Ing. Quim. (Madrid)	na	1		1
1406	Int. Arch. Allergy Appl. Immunol.	1.242	1		1
1407	Int. Corros. Conf. Ser.	na	1		1
1408	Int. J. Artif. Organs	0.743	1		1
1409	Int. J. Cosmet. Sci.	na	1		1
1410	Int. J. Fertil.	0.363	1		1
1411	Int. J. Powder Metall. (Princeton)	0.304	1		1
1412	Int. J. Rapid Solidif.	0.600	1		1
1413	Int. J. Theor. Phys.	0.345	1		1
1414	Int. J. Vitam. Nutr. Res.	0.418	1		1
1415	Int. Mater. Rev.	3.762	1		1
1416	Int. Rev. Gesamten Hydrobiol.	0.415	1		1
1417	Isotopenpraxis	0.088	1		1
1418	Isr. J. Bot.	0.190	1		1
1419	J. Bioenerg. Biomembr.	5.481	1		1
1420	J. Cell. Biochem.	2.849	1		1
1421	J. Clin. Chem. Clin. Biochem.	na	1		1
1422	J. Clin. Invest.	8.467	1		1
1423	J. Clin. Microbiol.	3.474	1		1
1424	J. Coated Fabr.	na	1		1
1425	J. Compos. Mater.	0.833	1		1
1426	J. Comput. Chem.	3.769	1		1

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Table I

Sr. No.	Journal Title	Impact Factor	No. of Papers		
			1990	1994	Total
1427	J. Electron Microsc. Tech.	0.573	1		1
1428	J. Environ. Qual.	1.642	1		1
1429	J. Food Compos. Anal.	na	1		1
1430	J. Food Prot.	1.292	1		1
1431	J. Food Saf.	1.047	1		1
1432	J. Interdiscip. Cycle Res.	0.219	1		1
1433	J. King Saud Univ.	na	1		1
1434	J. Lightwave Technol.	1.162	1		1
1435	J. Lipid Mediators	0.964	1		1
1436	J. Mater. Sci.: Mater. Med.	1.102	1		1
1437	J. Med. Primatol.	1.098	1		1
1438	J. Micronutr. Anal.	na	1		1
1439	J. Mol. Cell. Cardiol.	3.008	1		1
1440	J. Nat. Sci. Math.	na	1		1
1441	J. Neural Transm.: Gen. Sect.	1.382	1		1
1442	J. Oil Colour Chem. Assoc.	na	1		1
1443	J. Opt. Soc. Am. B: Opt. Phys.	2.157	1		1
1444	J. Pediatr. Gastroenterol. Nutr.	1.082	1		1
1445	J. Radiat. Res.	0.371	1		1
1446	J. Sci.	na	1		1
1447	J. Steroid Biochem.	1.676	1		1
1448	J. Supercrit. Fluids	1.367	1		1
1449	J. Synth. Lubr.	na	1		1
1450	J. Text. Inst.	0.184	1		1
1451	J. Therm. Biol.	0.393	1		1
1452	J. Thermophys. Heat Transfer	0.832	1		1
1453	J. Volcanol. Geotherm. Res.	0.844	1		1
1454	JNMM	na	1		1
1455	Jpn. J. Cancer Res.	1.677	1		1
1456	Jpn. J. Exp. Med.	na	1		1
1457	Jpn. Kokkai	na	1		1
1458	LC-GC	2.000	1		1
1459	Lebensmittelind. Milchwirtsch.	na	1		1
1460	Lett. Math. Phys.	1.056	1		1
1461	Limnol. Oceanogr.	2.151	1		1
1462	Lubr. Eng.	0.269	1		1
1463	Mag. Concr. Res.	0.209	1		1
1464	Mar. Ecol.: Prog. Ser.	1.827	1		1
1465	Mar. Environ. Res.	1.173	1		1
1466	Mass Spectrom. Rev.	4.160	1		1
1467	Mater. Org.	0.429	1		1
1468	Mater. Struct.	0.275	1		1
1469	Melliand Textilber.	na	1		1
1470	Microsc.	na	1		1
1471	Miner. Deposita	0.711	1		1

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Sr. No.	Journal Title	Impact Factor	No. of Papers		
			1990	1994	Total
1472	Mineral. J.	na	1		1
1473	Mol. Immunol.	2.059	1		1
1474	Mycol. Res.	0.975	1		1
1475	Nonequilib. Eff. Ion Electron Transp.	na	1		1
1476	Nucl. Saf.	0.104	1		1
1477	Observatory	0.636	1		1
1478	Oleagineux	0.113	1		1
1479	Opt. Appl.	0.053	1		1
1480	Opt. Eng.	0.650	1		1
1481	Ore Geol. Rev.	na	1		1
1482	Peanut Sci.	na	1		1
1483	Phys. Fluids A	1.782	1		1
1484	Physiol. Mol. Plant Pathol.	1.354	1		1
1485	Placenta	2.125	1		1
1486	Plant	na	1		1
1487	Plant Breed.	0.600	1		1
1488	Plant Pathog. Bact.	0.873	1		1
1489	Plant Prot. Q.	na	1		1
1490	Platelets	na	1		1
1491	Polym. Concr.	na	1		1
1492	Powder Metall.	0.377	1		1
1493	Proc. - A&WMA Annu. Meet.	na	1		1
1494	Proc. Conf. Remote Syst. Technol.	na	1		1
1495	Proc. Ind. Waste Conf.	na	1		1
1496	Proc. Phytochem. Soc. Eur.	na	1		1
1497	Process Biochem.	1.114	1		1
1498	Process Biochem. Int.	1.114	1		1
1499	Prog. Energy Combust. Sci.	1.833	1		1
1500	Prog. Leukocyte Biol.	na	1		1
1501	Prog. Lipid Res.	3.419	1		1
1502	Prog. Neuro-Psychopharmacol. Biol. Psychiatry	1.141	1		1
1503	Prog. Nucl. Magn. Reson. Spectrosc.	5.750	1		1
1504	Prog. Quantum Electron.	1.818	1		1
1505	Prog. Rubber Plast. Technol.	na	1		1
1506	Prop. Fresh Concr.	na	1		1
1507	Psychopharmacology (Berlin)	2.549	1		1
1508	Quant. Struct.-Act. Relat.	1.507	1		1
1509	RadTech '90 North Am.	na	1		1
1510	Rapid Commun. Mass Spectrom.	2.484	1		1
1511	Recent Dev. Exch. 2	na	1		1
1512	Recent Prog. Chem. Synth. Antibiot.	na	1		1
1513	Rep. Prog. Phys.	6.727	1		1

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Sr. No.	Journal Title	Impact Factor	No. of Papers		
			1990	1994	Total
1514	Rev. Powder Metall. Phys. Ceram.	na	1		1
1515	Rev. Roum. Phys.	na	1		1
1516	Rheol. Acta	1.313	1		1
1517	S.T.P. Pharma	na	1		1
1518	Schweissen Schneiden	na	1		1
1519	Science (Washington)	22.067	1		1
1520	Sel. Cancer Ther.	na	1		1
1521	Stain Technol.	na	1		1
1522	Stud. Nat. Prod. Chem.	na	1		1
1523	Superlattices Microstruct.	0.760	1		1
1524	Syst. Appl. Microbiol.	2.019	1		1
1525	Teor. Osn. Khim. Tekhnol.	0.138	1		1
1526	Trans. R. Soc. Trop. Med. Hyg.	na	1		1
1527	Trop. Agric. (Guildford	0.098	1		1
1528	Tumori	0.352	1		1
1529	Ultrasonics	1.046	1		1
1530	Unsteady State Processes Catal.	na	1		1
1531	Weed Sci.	0.670	1		1
1532	Weldability Mater.	na	1		1
1533	Xenobiotica	1.133	1		1
1534	Z. Gesamte Hyg. Ihre Grenzgeb.	na	1		1
1535	Zentralbl. Hyg. Umweltmed.	na	1		1
1536	Zhongguo Yaoli Xuebao	na	1		1
1537	AIP: New York	na		1	1
1538	Geological Society of India: Bangalore	na		1	1
1539	Indian Academy of Sciences: Bangalore	na		1	1
1540	School Biochemistry	na		1	1
1541	AIChE Symp. Ser.	na		1	1
1542	Acta Bot. Hung.	na		1	1
1543	Acta Microbiol. Pol.	0.083		1	1
1544	Acta Neuropathol.	2.168		1	1
1545	Acta Parasitol.	na		1	1
1546	Acta Physiol. Scand.	1.745		1	1
1547	Acta Phytopathol. Entomol. Hung.	0.165		1	1
1548	Adv. Drug Res.	na		1	1
1549	Adv. Heat Transfer	na		1	1
1550	Adv. Joining Technol. New Mater. II	na		1	1
1551	Adv. Polym. Blends Alloys Technol.	na		1	1
1552	Adv. Polym. Sci.	3.182		1	1
1553	Adv. Powder Technol.	na		1	1

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Sr. No.	Journal Title	Impact Factor	No. of Papers		
			1990	1994	Total
1554	Adv. Thermochem. Biomass Convers.	0.324		1	1
1555	Aldrichimica Acta	na		1	1
1556	Alloy Model. Des.	na		1	1
1557	Am. J. Gastroenterol.	1.856		1	1
1558	Am. Mineral.	na		1	1
1559	Anal. Chem.	4.609		1	1
1560	Anal. Profiles Drug Subst. Excipients	na		1	1
1561	Ann. Endocrinol.	0.373		1	1
1562	Ann. Univ. Mariae Curie-Sklodowska	na		1	1
1563	Annu. Tech. Conf. - Soc. Plast. Eng.	na		1	1
1564	Appl. Magn. Reson.	na		1	1
1565	Appl. Phys. A: Solids Surf.	1.578	5	2	7
1566	Appl. Phys. B: Lasers Opt.	1.765	5	1	6
1567	Arch. Mech.	na		1	1
1568	Arch. Pharmacol Res.	0.539		1	1
1569	Artif. Organs	1.053		1	1
1570	Astron. J.	2.754		1	1
1571	Atmos. Microb. Aerosols	na		1	1
1572	Atomization Sprays	na		1	1
1573	Australas. Biotechnol.	na		1	1
1574	Biol. Cell	1.431		1	1
1575	Biophys. Membr. Transp.	na		1	1
1576	Biotechnol. Genet. Eng. Rev.	na		1	1
1577	Biotechnol. Prog.	1.699		1	1
1578	Biothermokinetics	na		1	1
1579	Blood	8.279		1	1
1580	Bol. Soc. Chil. Quim.	0.326		1	1
1581	Bor- Cipotech.	na		1	1
1582	Br. J. Clin. Pharmacol.	na		1	1
1583	Br. J. Dermatol.	1.871		1	1
1584	Br. J. Pharmacol.	4.695		1	1
1585	Brain Res. Bull.	1.811		1	1
1586	Braz. J. Med. Biol. Res.	0.296		1	1
1587	Breast Cancer Res. Treat.	2.479		1	1
1588	Brighton Crop Prot. Conf.--Pests Dis.	na		1	1
1589	Bull. Korean Chem. Soc.	0.452		1	1
1590	Bull. Pol. Acad. Sci.	0.116		1	1
1591	Can. J. Appl. Spectrosc.	0.323		1	1
1592	Cancer Biother.	0.543		1	1
1593	Cancer Invest.	1.320		1	1
1594	Cast Met.	na		1	1
1595	Cell (Cambridge)	na		1	1

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Sr. No.,	Journal Title	Impact Factor	No. of Papers		
			1990	1994	Total
1596	Cell Struct. Funct.	0.898		1	1
1597	Cell. Mol. Biol. (Paris)	0.914		1	1
1598	Cell. Mol. Biol. Res.	0.667		1	1
1599	Cell. Signalling	2.090		1	1
1600	Cem.	na		1	1
1601	Cemento	na		1	1
1602	Ceram. Cutting Tools	na		1	1
1603	Ceram. Eng. Sci. Proc.	na		1	1
1604	Chaos	na		1	1
1605	Chem. Ber.	1.983		1	1
1606	Chem. Erde	0.488		1	1
1607	Chem. Res. Toxicol.	3.395		1	1
1608	Chem. Saf.	na		1	1
1609	Chem. Soc. Rev.	4.913		1	1
1610	Chem. Speciation Bioavailability	0.382		1	1
1611	Chemom. Intell. Lab. Syst.	1.752		1	1
1612	Chern. Metall. Ross. Stran SNG XXI Veke	na		1	1
1613	Chin. J. Polym. Sci.	na		1	1
1614	Coal Prep. (Gordon & Breach)	na		1	1
1615	Collect. Notes Internes Dir. Etud. Rech.: Biol.	na		1	1
1616	Combust.	na		1	1
1617	Composites	0.821		1	1
1618	Comput. Fluids	0.442		1	1
1619	Crit. Rev. Clin. Lab. Sci.	2.474		1	1
1620	Crit. Rev. Microbiol.	4.294		1	1
1621	Cytochrome P450 Int. Conf.	na		1	1
1622	DNA Cell Biol.	4.612		1	1
1623	Differentiation (Berlin)	2.362		1	1
1624	Drug Invest.	0.564		1	1
1625	ESIS Publ.	na		1	1
1626	Ed. Proc. - Int. Galvanizing Conf.	B		1	1
1627	Electrophoresis	na		1	1
1628	Emerging Nucl. Energy Syst.	na		1	1
1629	Endocr. J. (Tokyo)	1.006		1	1
1630	Energy Fuels	1.218		1	1
1631	Environ. Geochem. Health	0.432		1	1
1632	Environ. Health Perspect. Suppl.	1.217		1	1
1633	Environ. Res.	0.952		1	1
1634	Estuarine	0.836		1	1
1635	Eur. J. Cancer	0.789		1	1
1636	Eur. J. Drug Metab. Pharmacokinet.	0.489		1	1

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Sr. No.	Journal Title	Impact Factor	No. of Papers	
			1990	1994 Total
1637	Eur. J. Endocrinol.	na	1	1
1638	Eur. J. Obstet.	0.423	1	1
1639	Eur. J. Plant Pathol.	na	1	1
1640	Exp. Eye Res.	1.963	1	1
1641	Exp. Gerontol.	1.164	1	1
1642	Exp. Mycol.	1.736	1	1
1643	Exp. Parasitol.	1.798	1	1
1644	FEMS Microbiol. Rev.	4.009	1	1
1645	Fire Mater.	na	1	1
1646	Food Rev. Int.	0.417	1	1
1647	Free Radical Res.	2.191	1	1
1648	Front. Biotransform.	na	1	1
1649	Front. Endocrinol.	na	1	1
1650	G. (Dep. Chem.	na	1	1
1651	Ganko	na	1	1
1652	Gazz. Chim. Ital.	0.772	1	1
1653	Geo-Mar. Lett.	0.910	1	1
1654	Geochem. J.	0.465	1	1
1655	Geokhimiya	0.225	1	1
1656	Geophys. Res. Lett.	2.145	1	1
1657	Ger. Offen. DE 4240193 A1 1 Jun 1994	na	1	1
1658	Gut	2.950	1	1
1659	Heat Transfer Eng.	0.658	1	1
1660	Heat Treat. Proc. Int. Heat Treat. Conf.	na	1	1
1661	Helv. Chim. Acta	2.058	1	1
1662	Heredity	1.457	1	1
1663	Hezi Kexue	na	1	1
1664	High Perform. Compos. Proc. Int. Symp.	na	1	1
1665	Holz Roh- Werkst.	0.237	1	1
1666	Hum. Genet.	2.758	1	1
1667	Hum. Immunol.	2.956	1	1
1668	Hum. Mutat.	4.038	1	1
1669	IEE Conf. Publ.	na	1	1
1670	IEE Proc.: Optoelectron.	0.727	1	1
1671	IEEE Trans. Instrum. Meas.	0.402	1	1
1672	IEEE Trans. Microwave Theory Tech.	1.004	1	1
1673	Immunobiology (Stuttgart)	2.088	1	1
1674	Impact Ash Deposition Coal Fired Plants	na	1	1
1675	In Vitro Cell. Dev. Biol.: Plant	0.494	1	1
1676	In Vitro Ex Vivo Test Syst. Ration. Drug Des. Deli	na	1	1

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Sr. No.	Journal Title	Impact Factor	No. of Papers	
			1990	1994 Total
1677	In Vitro Toxicol.	na	1	1
1678	Ind. Crops Prod.	na	1	1
1679	Indian J. Ecol.	na	1	1
1680	Inflammopharmacology	na	1	1
1681	Insect Biochem. Mol. Biol.	1.694	1	1
1682	Insight (Northampton)	na	1	1
1683	Int. Arch. Allergy Immunol.	1.242	1	1
1684	Int. Arch. Occup. Environ. Health	0.921	1	1
1685	Int. Dairy Fed. Spec. Issue	na	1	1
1686	Int. J. Adhes. Adhes.	0.357	1	1
1687	Int. J. Biochem.	0.828	1	1
1688	Int. J. Dev. Neurosci.	1.557	1	1
1689	Int. J. Environ. Pollut.	na	1	1
1690	Int. J. Fract.	0.548	1	1
1691	Int. J. Genome Res.	na	1	1
1692	Int. J. Gynecol. Obstet.	0.344	1	1
1693	Int. J. Immunopathol. Pharmacol.	0.326	1	1
1694	Int. J. Multiphase Flow	0.755	1	1
1695	Int. J. PIXE	na	1	1
1696	Int. J. Thermophys.	0.345	1	1
1697	Intercell. Intracell. Commun.	na	1	1
1698	Invertebr. Reprod. Dev.	0.421	1	1
1699	Iran. J. Polym. Sci. Technol. (Engl. Ed.)	na	1	1
1700	Iron Steelmaker	0.438	1	1
1701	Ironmaking Conf. Proc.	na	1	1
1702	Izv. Vyssh. Uchebn. Zaved.	na	1	1
1703	J. Acoust. Emiss.	1.273	1	1
1704	J. Am. Soc. Brew. Chem.	na	1	1
1705	J. Anal. At. Spectrom.	2.884	1	1
1706	J. Antibiot.	1.195	1	1
1707	J. Antimicrob. Chemother.	2.228	1	1
1708	J. Appl. Biomater.	1.025	1	1
1709	J. Appl. Crystallogr.	1.951	1	1
1710	J. Appl. Fire Sci.	na	1	1
1711	J. Aquat. Food Prod. Technol.	na	1	1
1712	J. Biochem. (Tokyo)	2.101	1	1
1713	J. Biol. Phys.	na	1	1
1714	J. Biolumin. Chemilumin.	1.634	1	1
1715	J. Cancer Res. Clin. Oncol.	1.654	1	1
1716	J. Cell. Physiol.	3.096	1	1
1717	J. Chem. Soc. Pak.	0.081	1	1
1718	J. Chin. Chem. Soc. (Taipei)	2.931	1	1
1719	J. Clin. Immunol.	2.931	1	1
1720	J. Compos. Technol. Res.	0.472	1	1

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Sr. No.	Journal Title	Impact Factor	No. of Papers		
			1990	1994	Total
1721	J. Comput. Phys.	1.084		1	1
1722	J. Drug Targeting	na		1	1
1723	J. Ecol.	1.672		1	1
1724	J. Electrostat.	0.184		1	1
1725	J. Exp. Zool.	1.246		1	1
1726	J. Fiz. Malays.	na		1	1
1727	J. Food Qual.	0.211		1	1
1728	J. Gemmol.	na		1	1
1729	J. Gen. Virol.	3.478		1	1
1730	J. Geochem. Explor.	0.488		1	1
1731	J. Geophys. Res.	2.305		1	1
1732	J. High Resolut. Chromatogr.	na		1	1
1733	J. IETE	na		1	1
1734	J. Liposome Res.	na		1	1
1735	J. Mater. Sci. Technol. (Shenyang)	na		1	1
1736	J. Mater. Synth. Process.	na		1	1
1737	J. Mech. Behav. Mater.	na		1	1
1738	J. Membr. Biol.	3.283		1	1
1739	J. Mol. Graphics	2.742		1	1
1740	J. Nat.	na		1	1
1741	J. Natl. Sci. Counc. Sri Lanka	na		1	1
1742	J. Non-Newtonian Fluid Mech.	na		1	1
1743	J. Nutr. Immunol.	na		1	1
1744	J. Pharmacol. Toxicol. Methods	0.778		1	1
1745	J. Phys. I	1.773		1	1
1746	J. Plant Growth Regul.	1.109		1	1
1747	J. Prakt. Chem./Chem.-Ztg.	0.447		1	1
1748	J. Reprod. Med.	0.729		1	1
1749	J. Rheol. (N. Y.)	2.315		1	1
1750	J. Soc. Dairy Technol.	0.444		1	1
1751	J. Surg. Oncol.	0.443		1	1
1752	J. Toxicol. Environ. Health	1.015		1	1
1753	J. Trace Elem. Electrolytes Health Dis.	0.420		1	1
1754	J. UOEH	na		1	1
1755	J. Vet. Anaesth.	na		1	1
1756	J. Virol. Methods	1.403		1	1
1757	Laser Chem.	0.455		1	1
1758	Laser Part. Beams	0.389		1	1
1759	Leuk. Res.	1.322		1	1
1760	Life Chem. Rep.	na		1	1
1761	Limnologica	na		1	1
1762	Lung	1.017		1	1
1763	Lupus	1.293		1	1
1764	Macromol. Rapid Commun.	1.627		1	1
1765	Magn. Gidrodin.	na		1	1

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Sr. No.	Journal Title	Impact Factor	No. of Papers		
			1990	1994	Total
1766	Mar. Pet. Geol.	0.854	1		1
1767	Mater. Eng. (N. Y.)	na	1		1
1768	Mater. Eval.	0.165	1		1
1769	Mater. Issues Mach.--II Phys. Mach. Processes--II	na	1		1
1770	Med. Hypotheses	0.500	1		1
1771	Mem. Tokyo Univ. Agric.	na	1		1
1772	Mendeleev Commun.	0.439	1		1
1773	Metall. Processes Early Twenty-First Century	na	1		1
1774	Methods Enzymol.	1.545	1		1
1775	Middle East Corros. Conf.	na	1		1
1776	Mineral. Petrol.	0.571	1		1
1777	Mod. Methods Plant Anal.	na	1		1
1778	Mol. Cell. Probes	1.773	1		1
1779	Mycorrhiza	na	1		1
1780	Mycoses	0.445	1		1
1781	Mycotoxin Res.	0.382	1		1
1782	Nat. Prod. Rep.	4.906	1		1
1783	Neuroendocrinology	2.422	1		1
1784	Neuropeptides (Edinburgh)	2.026	1		1
1785	Neuropsychobiology	0.986	1		1
1786	Neuropsychopharmacology	2.780	1		1
1787	Neurotoxicology	1.510	1		1
1788	Neutron Radiogr. (4) Proc. World Conf.	na	1		1
1789	Nippon Sanshigaku Zasshi	na	1		1
1790	Nucl. Magn. Reson.	na	1		1
1791	Nucl. Sci. J.	na	1		1
1792	Nucl. Sci. Tech.	0.402	1		1
1793	Numer. Heat Transfer	0.809	1		1
1794	Okajimas Folia Anat. Jpn.	na	1		1
1795	Ophthalmic Res.	0.588	1		1
1796	Opt. Mater. (Amsterdam)	1.086	1		1
1797	Paint Resin	na	1		1
1798	Pathophysiology	na	1		1
1799	Peptides	2.525	1		1
1800	Peptides (Tarrytown)	2.525	1		1
1801	Petrologiya	na	1		1
1802	Pharm. Ind.	na	1		1
1803	Photonics Optoelectron.	na	1		1
1804	Phys. Med. Biol.	1.386	1		1
1805	Plant Pathol.	0.873	1		1
1806	Plant Syst. Evol.	0.922	1		1
1807	Plasma Sources Sci. Technol.	na	1		1
1808	Plasmid	1.744	1		1
1809	Plast. Eng. (Brookfield)	na	1		1

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Sr. No.	Journal Title	Impact Factor	No. of Papers	
			1990	1994 Total
1810	Polym. React. Eng.	na	1	1
1811	Port. Electrochim. Acta	na	1	1
1812	Portsmouth 1994	na	1	1
1813	Postharvest Biol. Technol.	na	1	1
1814	Pr. Nauk. Politech. Szczecia.	na	1	1
1815	Pract. Oriented Results Use Prod. Neem-Ingredients	na	1	1
1816	Proc. - Inst. Environ. Sci.	na	1	1
1817	Proc. Am. Power Conf.	na	1	1
1818	Proc. Int. CODATA Conf.	na	1	1
1819	Proc. Int. Colloq. Dust Explos.	na	1	1
1820	Proc. Int. Europhys. Conf. High Energy Phys.	na	1	1
1821	Proc. Int. Geol. Congr.	na	1	1
1822	Proc. Power Sources Conf.	na	1	1
1823	Process Control Qual.	na	1	1
1824	Process. Adv. Mater.	na	1	1
1825	Process. Long Lengths Supercond.	na	1	1
1826	Prog. Biophys. Mol. Biol.	6.115	1	1
1827	Prog. Chem. Org. Nat. Prod.	na	1	1
1828	Protein Sci.	4.856	1	1
1829	Proteins: Struct.	4.856	1	1
1830	Pulsed Laser Deposition Thin Films	na	1	1
1831	Pure Appl. Opt.	na	1	1
1832	Q. Magn. Reson. Biol. Med.	na	1	1
1833	Quasielastic Neutron Scattering Proc.	na	1	1
1834	RIKEN Int. Workshop Delta Excitation Nucl.	na	1	1
1835	Rare Met. (Beijing)	na	1	1
1836	Recent Dev. Light Met.	na	1	1
1837	Relativ. Aspects Nucl. Phys.	na	1	1
1838	Res. Commun. Mol. Pathol. Pharmacol.	na	1	1
1839	Res. Discl.	na	1	1
1840	Reson. Anomalous X-Ray Scattering	na	1	1
1841	Resour. Conserv. Environ. Technol. Metall. Ind.	na	1	1
1842	Rev. Inorg. Chem.	na	1	1
1843	Rev. Int. Contam. Ambiental	na	1	1
1844	Rodd's Chem. Carbon Compd. (2nd Ed.)	na	1	1
1845	SOFW J.	na	1	1

Contd..

Table I

Sr. No.	Journal Title	Impact Factor	No. of Papers		
			1990	1994	Total
1846	Scand. J. Gastroenterol.	1.484		1	1
1847	Sci. Int. (Lahore)	na		1	1
1848	Sci. Sintering	na		1	1
1849	Singapore J. Phys.	na		1	1
1850	Soil Sci. Plant Nutr. (Tokyo)	0.491		1	1
1851	Speculations Sci. Technol.	na		1	1
1852	Springer Ser. Chem. Phys.	na		1	1
1853	Steelmaking Conf. Proc.	na		1	1
1854	Steroids	na		1	1
1855	Struct. Biol. State of the Art	na		1	1
1856	Stud. Environ. Sci.	na		1	1
1857	Surf. Eng.	na		1	1
1858	Surf. Modif. Technol. VII	na		1	1
1859	Symp. (Int.) Combust.	na		1	1
1860	Symp. Ser. - S. Afr. Inst. Min. Metall.	na		1	1
1861	Synchrotron Radiat. Biosci.	na		1	1
1862	Teratog.	0.780		1	1
1863	Theor. Appl. Fract. Mech.	0.167		1	1
1864	Tohoku J. Agric. Res.	na		1	1
1865	Toxicol. Methods	na		1	1
1866	Trace Elem. Electrolytes	0.306		1	1
1867	Trans. ASAE	na		1	1
1868	Transp. React. Processes Aquifers	na		1	1
1869	Transp. Theory Stat. Phys.	na		1	1
1870	Trop. Med. Parasitol.	0.730		1	1
1871	Turk. J. Chem.	na		1	1
1872	Turk. J. Eng. Environ. Sci.	na		1	1
1873	Urol. Int.	0.351		1	1
1874	Vet. Immunol. Immunopathol.	1.201		1	1
1875	Virology	3.879		1	1
1876	Waste Manage. (N. Y.)	0.313		1	1
1877	Water Environ. Res.	1.105		1	1
1878	Water Supply	na		1	1
1879	Water Treat.	na		1	1
1880	Weld. J. (Miami)	0.135		1	1
1881	Weld. Res. (Miami)	na		1	1
1882	X-Ray Absorpt. Bulk Surf.	na		1	1
1883	Yeast	2.862		1	1
1884	Z. Angew. Geol.	na		1	1
1885	Z. Lebensm.-Unters. Forsch.	0.796		1	1
1886	Z. Pflanzenernaehr. Bodenkd.	0.474		1	1
1887	Zhongguo Kangshengsu Zazhi	na		1	1
1888	Zool. Stud.	na		1	1
1889	Zuckerindustrie (Berlin)	0.337		1	1
Total:			10222	12282	22504

*Impact factor values are taken from Journal Citation Report 1994.

** na indicates a non-SCI journal.

**Indian Institutes contributing to the World Literature
in Chemistry as seen from Chemical Abstracts Database
(Arranged by No. of papers published)**

Table - II

Pg: 1

Sr. No.	Name of the Institute	No. of papers		
		1990	1994	Total
1	Bhabha At. Res. Cent., Bombay	381	495	876
2	Indian Inst. Sci., Bangalore	341	454	795
3	Banaras Hindu Univ., Varanasi	282	262	544
4	Indian Inst. Technol., Madras	190	215	405
5	Natl. Chem. Lab., Pune	151	239	390
6	Indian Inst. Technol., Kharagpur	159	227	386
7	Indian Inst. Technol., New Delhi	146	176	322
8	Indian Assoc. Cultiv. Sci., Calcutta	137	169	306
9	Univ. Delhi, Delhi	135	160	295
10	Indian Inst. Chem. Technol., Hyderabad	155	138	293
11	Indian Inst. Technol., Kanpur	122	165	287
12	Indian Inst. Technol., Bombay	119	166	285
13	Jadavpur Univ., Calcutta	130	136	266
14	Tata Inst. Fundam. Res., Bombay	124	139	263
15	Univ. Rajasthan, Jaipur	145	115	260
16	Osmania Univ., Hyderabad	132	117	249
17	Sri Venkateswara Univ., Tirupati	149	99	248
18	Cent. Electrochem. Res. Inst., Karaikudi	154	87	241
19	Univ. Hyderabad, Hyderabad	87	147	234
20	Aligarh Muslim Univ., Aligarh	122	112	234
21	Cent. Drug Res. Inst., Lucknow	132	102	234
22	Univ. Madras, Madras	101	104	205
23	Panjab Univ., Chandigarh	113	92	205
24	Univ. Bombay, Bombay	85	107	192
25	Univ. Roorkee, Roorkee	81	99	180
26	Indira Gandhi Cent. At. Res., Kalpakkam	62	103	165
27	Punjab Agric. Univ., Ludhiana	63	100	163
28	Ind. Toxicol. Res. Cent., Lucknow	94	49	143
29	Cent. Food Technol. Res. Inst., Mysore	54	87	141
30	Univ. Poona, Pune	79	61	140
31	M. S. Univ. Baroda, Baroda	66	66	132
32	Maharshi Dayanand Univ., Rohtak	54	69	123
33	Saha Inst. Nucl. Phys., Calcutta	53	69	122
34	Indian Agric. Res. Inst., New Delhi	63	55	118
35	Indian Inst. Chem. Biol., Calcutta	50	63	113
36	Jawaharlal Nehru Univ., New Delhi	44	67	111
37	Natl. Phys. Lab., New Delhi	59	49	108
38	National Physical Lab., New Delhi	59	49	108
39	Kurukshetra Univ., Kurukshetra	50	56	106
40	Guru Nanak Dev Univ., Amritsar	59	46	105
41	Anna Univ., Madras	44	60	104
42	Madurai Kamaraj Univ., Madurai	46	57	103
43	Haryana Agric. Univ., Hisar	59	44	103

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Sr. No.	Name of the Institute	No. of papers		
		1990	1994	Total
44	Shivaji Univ., Kolhapur	40	60	100
45	Univ. Allahabad, Allahabad	44	55	99
46	Def. Metall. Res. Lab., Hyderabad	51	48	99
47	Univ. Kalyani, Kalyani	51	48	99
48	North-East. Hill Univ., Shillong	61	38	99
49	Univ. Coll. Sci., Calcutta	45	52	97
50	Sardar Patel Univ., Vallabh Vidyanagar	51	42	93
51	Dr. H. S. Gour Univ., Sagar	39	54	93
52	Bose Inst., Calcutta	40	51	91
53	Karnatak Univ., Dharwad	47	42	89
54	Univ. Mysore, Mysore	37	50	87
55	Utkal Univ., Bhubaneswar	32	54	86
56	Univ. Calcutta, Calcutta	48	36	84
57	Andhra Univ., Visakhapatnam	30	52	82
58	Univ. Gorakhpur, Gorakhpur	40	40	80
59	Calcutta Univ. Coll. Sci., Calcutta	30	50	80
60	Harcourt Butler Technol. Inst., Kanpur	49	30	79
61	Cochin Univ. Sci. Technol., Cochin	27	50	77
62	Kakatiya Univ., Warangal	38	37	75
63	Cent. Cell. Mol. Biol., Hyderabad	24	51	75
64	Postgrad. Inst. Med. Educ. Res., Chandigarh	38	36	74
65	Nagpur Univ., Nagpur	35	38	73
66	Pondicherry Univ., Pondicherry	40	33	73
67	National Metallurgical Laboratory, Jamshedpur	21	51	72
68	Devi Ahilya Univ., Indore	24	48	72
69	Gorakhpur Univ., Gorakhpur	40	32	72
70	Ravishankar Univ., Raipur	34	37	71
71	Rani Durgavati Univ., Jabalpur	27	44	71
72	Univ. Kerala, Trivandrum	40	30	70
73	Cent. Leather Res. Inst., Madras	27	42	69
74	Reg. Res. Lab., Jorhat	31	36	67
75	Lucknow Univ., Lucknow	29	37	66
76	Visva-Bharati Univ., Santiniketan	37	27	64
77	Sri Krishnadevaraya Univ., Anantapur	38	25	63
78	South Gujarat Univ., Surat	17	45	62
79	Indian Inst. Pet., Dehradun	24	38	62
80	Punjabi Univ., Patiala	34	27	61
81	Indian Vet. Res. Inst., Izatnagar	19	41	60
82	Univ. Jodhpur, Jodhpur	38	21	59
83	All India Inst. Med. Sci., New Delhi	28	31	59
84	Reg. Res. Lab., Trivandrum	12	47	59
85	Himachal Pradesh Univ., Shimla	15	39	54
86	Saurashtra University, Rajkot	30	24	54
87	Cent. Salt Mar. Chem. Res. Inst.,	31	22	53

Contd..

Sr. No.	Name of the Institute	No. of papers		
		1990	1994	Total
88	Bhavnagar Regional Research Laboratory, Bhubaneswar	13	40	53
89	Bharathiar Univ., Coimbatore	8	44	52
90	Natl. Environ. Eng. Res. Inst., Nagpur	38	12	50
91	Andhra Univ., Waltair	21	29	50
92	Bangalore Univ., Bangalore	22	28	50
93	Bhagalpur Univ., Bhagalpur	32	17	49
94	Univ. Burdwan, Burdwan	23	25	48
95	Indian Sch. Mines, Dhanbad	25	23	48
96	Inst. Sci., Bombay	27	19	46
97	CSIR, Trivandrum	30	15	45
98	Physical Research Laboratory, Ahmedabad	8	37	45
99	National Aerospace Laboratories, Bangalore	13	32	45
100	Institute Physics, Bhubaneswar	10	35	45
101	Sambalpur Univ., Sambalpur	30	15	45
102	Saurashtra Univ., Rajkot	20	24	44
103	Jiwaji Univ., Gwalior	19	25	44
104	Univ. Agric. Sci., Bangalore	18	25	43
105	Natl. Bot. Res. Inst., Lucknow	26	16	42
106	Mangalore Univ., Mangalagangothri	20	22	42
107	Reg. Res. Lab., Jammu Tawi	20	21	41
108	North Bengal Univ., Darjeeling	24	16	40
109	G. B. Pant Univ. Agric. Technol., Pantnagar	20	20	40
110	CCS Haryana Agricultural University, Hisar	5	35	40
111	Vikram Sarabhai Space Cent., Trivandrum	20	19	39
112	Natl. Dairy Res. Inst., Karnal	15	23	38
113	Institute Science, Nagpur	18	20	38
114	Bidhan Chandra Krishi Viswavidyalaya, Mohanpur	11	26	37
115	Cent. Adv. Technol., Indore	6	31	37
116	Sree Chitra Tirunal Inst. Med. Sci. Technol., Trivandrum	27	10	37
117	Indian Inst. Astrophys., Bangalore	18	18	36
118	Natl. Inst. Immunol., New Delhi	9	27	36
119	Berhampur Univ., Berhampur	16	19	35
120	Gulbarga Univ., Gulbarga	10	25	35
121	Sukhadia Univ., Udaipur	17	18	35
122	Kumaun Univ., Nainital	17	17	34
123	Gujarat Agric. Univ., Anand	16	18	34
124	Def. Res. Dev. Establ., Gwalior	10	24	34
125	Alagappa University, Karaikudi	9	24	33
126	Agra Univ., Agra	21	11	32

Contd..

Sr. No.	Name of the Institute	No. of papers		
		1990	1994	Total
127	Vikram Univ., Ujjain	13	19	32
128	Kasturba Med. Coll., Manipal	15	17	32
129	Indian Petrochem. Corp. Ltd., Vadodara	4	27	31
130	Solid State Physics Laboratory, Delhi	9	22	31
131	Mahatma Gandhi Univ., Kottayam	3	28	31
132	Ravenshaw Coll., Cuttack	11	19	30
133	Raman Res. Inst., Bangalore	18	11	29
134	Tamil Nadu Agric. Univ., Coimbatore	13	16	29
135	CSIR, Delhi	17	11	28
136	Barkatullah Univ., Bhopal	5	23	28
137	Nizam's Inst. Med. Sci., Hyderabad	10	18	28
138	Bombay Coll. Pharm., Bombay	7	21	28
139	Himachal Pradesh Krishi Vishvavidyalaya, Palampur	11	17	28
140	Reg. Eng. Coll., Rourkela	19	8	27
141	Inst. Microbial Technol., Chandigarh	9	18	27
142	SAIL, Ranchi	18	9	27
143	Alchemie Res. Cent., Thane	16	11	27
144	Natl. Inst. Oceanogr., Goa	12	13	25
145	Gujarat University, Ahmedabad	6	19	25
146	Bihar Univ., Muzaffarpur	15	10	25
147	Reg. Eng. Coll., Durgapur	16	9	25
148	B. K. M. Science College, Valsad	0	24	24
149	Univ. Jammu, Jammu	6	17	23
150	Nagarjuna Univ., Nagarjunanagar	13	10	23
151	Goa Univ., Goa	9	14	23
152	Marathwada Univ., Aurangabad	9	13	22
153	Reg. Res. Lab., Bhopal	10	12	22
154	Cancer Res. Inst., Bombay	12	10	22
155	Cent. Glass Ceram. Res. Inst., Calcutta	12	10	22
156	Tata Mem. Cent., Bombay	17	5	22
157	Gaya Coll., Gaya	12	10	22
158	L. M. Coll. Pharm., Ahmedabad	9	13	22
159	Variable Energy Cyclotron Centre, Calcutta	1	21	22
160	Patna Univ., Patna	13	8	21
161	King George's Med. Coll., Lucknow	20	1	21
162	St. Xavier's Coll., Bombay	13	8	21
163	Cent. Rice Res. Inst., Cuttack	12	9	21
164	Indian Stat. Inst., Calcutta	7	14	21
165	Lajpat Rai Coll., Sahibabad	12	9	21
166	Indian Counc. Med. Res., Hyderabad	9	11	20
167	Cent. Build. Res. Inst., Roorkee	9	11	20
168	IDPL, Hyderabad	12	8	20
169	National Geophysical Research	5	15	20

Contd..

Sr. No.	Name of the Institute	No. of papers		
		1990	1994	Total
	Institute, Hyderabad			
170	Manipur Univ., Imphal	10	10	20
171	G. M. Coll., Sambalpur	14	6	20
172	Chittaranjan Natl. Cancer Inst., Calcutta	6	14	20
173	Gauhati Univ., Guwahati	8	11	19
174	Bhavnagar Univ., Bhavnagar	11	8	19
175	Central Institute Fisheries Technology, Cochin	2	17	19
176	Cent. Fuel Res. Inst., Dhanbad	9	10	19
177	Hindustan Lever Res. Cent., Bombay	8	11	19
178	Int. Cent. Genet. Eng. Biotechnol., New Delhi	4	15	19
179	Orissa Univ. Agric. Technol., Bhubaneswar	11	8	19
180	Tata Steel, Jamshedpur	6	12	18
181	Int. Crops Res. Inst. Semi-Arid Trop., Patancheru	12	6	18
182	S.G.S.I.T.S., Indore	6	12	18
183	Rajasthan Agricultural University, Udaipur	10	8	18
184	Jamia Millia Islamia, New Delhi	4	13	17
185	Def. Mater. Stores Res. Dev. Establ., Kanpur	8	9	17
186	Indian Petrochem. Corp. Ltd., Baroda	3	14	17
187	For. Res. Inst., Dehra Dun	9	8	17
188	Explos. Res. Dev. Lab., Pune	9	8	17
189	R.B.S. College, Agra	7	10	17
190	Natl. Inst. Ment. Health Neuro Sci., Bangalore	11	6	17
191	Reg. Res. Lab., Hyderabad	15	1	16
192	Univ. Calicut, Kerala	11	5	16
193	Cent. Power Res. Inst., Bangalore	7	9	16
194	Coll. Pharm. Sci., Manipal	9	7	16
195	Meerut Univ., Meerut	8	8	16
196	Hindustan Antibiotics Ltd., Pune	5	11	16
197	N. D. Univ. Agric. Technol., Faizabad	9	7	16
198	Government College, Ajmer	6	10	16
199	Dr. Y.S. Parmar University Horticulture and Forest, Solan	2	14	16
200	Garhwal Univ., Srinagar	10	6	16
201	Univ. Agric. Sci., Dharwad	8	7	15
202	Indian Institute Astrophysics, Bangalore	0	15	15
203	Inst. Radio Phys. Electron., Calcutta	6	9	15
204	Department Atomic Energy, Hyderabad	3	11	14

Contd..

Table - II

Pg: 6

Sr. No.	Name of the Institute	No. of papers		
		1990	1994	Total
205	Inst. Math. Sci., Madras	7	7	14
206	Jamia Hamdard, New Delhi	6	8	14
207	Birla Inst. Technol. Sci., Pilani	7	7	14
208	Shriram Institute Industrial Research, Delhi	5	9	14
209	D. N. Coll., Meerut	10	4	14
210	Gujarat Agricultural University, Anand	2	12	14
211	Tata Energy Res. Inst., New Delhi	9	4	13
212	Birsa Agricultural University, Ranchi	4	9	13
213	Central Pulp and Paper Research Institut, Saharanpur	3	10	13
214	Marathwada Agricultural University, Parbhani	6	7	13
215	Tata Res. Dev. Design Cent., Pune	4	9	13
216	Cent. Earth Sci. Stud., Trivandrum	4	9	13
217	Hamdard University, New Delhi	6	7	13
218	Rubber Technol. Cent., Kharagpur	12	0	12
219	Ramnarain Ruia Coll., Bombay	6	6	12
220	Cent. Avian Res. Inst., Izatnagar	9	3	12
221	Indian Oil Corporation Ltd., Faridabad	0	12	12
222	Inst. Plasma Res., Gandhinagar	2	10	12
223	Nav. Chem. Metall. Lab., Bombay	4	8	12
224	Fac. Technol. Eng., Baroda	7	5	12
225	Khallikote Coll., Berhampur	4	8	12
226	Thapar Corp. Res. Dev. Cent., Patiala	3	9	12
227	S.S.L. Jain Coll., Vidisha	2	10	12
228	Dep. Metall. Eng., Kanpur	10	1	11
229	Def. Food Res. Lab., Mysore	6	5	11
230	Shivaji Univ., Solapur	4	7	11
231	Geol. Surv. India, Calcutta	8	3	11
232	Cent. Indian Pharmacopoeia Lab., Ghaziabad	10	1	11
233	Natl. Inst. Occup. Health, Ahmedabad	5	6	11
234	College of Horticulture, Trichur	1	10	11
235	Natl. Inst. Nutr., Hyderabad	5	6	11
236	S.N. Bose National Centre Basic Sci., Calcutta	1	10	11
237	Cent. Electron. Eng. Res. Inst., Pilani	8	3	11
238	Captain Srinivasa Murti Drug Res. Inst., Madras	10	1	11
239	L.L.R.M. Medical College, Meerut	7	4	11
240	Himachal Pradesh University, Shimla	0	10	10
241	Reg. Eng. Coll., Tiruchirapalli	6	4	10

Contd..

Sr. No.	Name of the Institute	No. of papers		
		1990	1994	Total
242	Sch. Life Sci., New Delhi	10	0	10
243	Inst. Res. Reprod., Bombay	6	4	10
244	Jute Technol. Res. Lab., Calcutta	5	5	10
245	MACS Res. Inst., Pune	10	0	10
246	Pulp and Paper Research Institute, Jaykaypur	3	7	10
247	Birla Inst. Sci. Res., Hyderabad	3	7	10
248	Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur	2	8	10
249	Indian Inst. Trop. Meteorol., Pune	3	7	10
250	Inter-University Centre Astronomy and As, Pune	0	10	10
251	Christian Med. Coll., Vellore	5	5	10
252	ATIRA, Ahmedabad	7	3	10
253	Gov. Eng. Coll., Jabalpur	5	5	10
254	Inst. Basic Sci., Agra	6	3	9
255	Presidency Coll., Calcutta	3	6	9
256	Man-Made Text. Res. Assoc., Surat	8	1	9
257	Def. Lab., Jodhpur	8	1	9
258	Motilal Vigyan Mahavidyalaya, Bhopal	6	3	9
259	Inst. Nucl. Med. Allied Sci., Delhi	1	8	9
260	ONGC Ltd., Dehra Dun	0	9	9
261	Dep. Electronics and ECE, Kharagpur	7	2	9
262	Inst. Technol., Varanasi	7	1	8
263	Bharathidasan University, Tiruchirapalli	0	8	8
264	Tripura Univ., Agartala	3	5	8
265	Dibrugarh Univ., Dibrugarh	1	7	8
266	Madras Refineries Ltd., Madras	1	7	8
267	G. N. Khalsa Coll., Bombay	7	1	8
268	Rama Krishna Mission Vivekananda Centen. Coll., Rahara	7	1	8
269	L. N. Mithila University, Darbhanga	3	5	8
270	Geol. Surv. India, Jaipur	4	4	8
271	Karnataka Reg. Eng. Coll., Surathkal	2	6	8
272	Dayalbagh Educ. Inst., Agra	1	7	8
273	Gov. Vidarbha Mahavidyalaya, Amravati	1	7	8
274	Gurukula Kangri Univ., Hardwar	1	7	8
275	Govt. P.G. College, Pipariya	0	8	8
276	Ranchi Univ., Ranchi	2	6	8
277	Gov. Sci. Coll., Gwalior	6	2	8
278	Coll. Eng., Tirupati	7	1	8
279	Indian Jute Industries' Research Associa, Calcutta	5	3	8
280	R.D. and D.J. College, Munger	3	5	8
281	Hoechst India Ltd., Bombay	3	4	7

Contd..

Sr. No.	Name of the Institute	No. of papers		
		1990	1994	Total
282	Maulana Azad Med. Coll., New Delhi	6	1	7
283	Larsen and Toubro Ltd., Bombay	3	4	7
284	Univ. Indore, Indore	4	3	7
285	Reg. Eng. Coll., Kurukshetra	4	3	7
286	R. R. Mehta Coll. Sci., Palanpur	6	1	7
287	Heavy Water Div., Bombay	5	2	7
288	Cryst. Growth Cent., Madras	7	0	7
289	Thiagarajar Coll., Madurai	5	2	7
290	Univ. Kashmir, Srinagar	5	2	7
291	Mol. Biol. Genet., Calcutta	2	5	7
292	Konkan Krishi Vidyapeeth, Dapoli	2	5	7
293	Holkar Sci. Coll., Indore	3	4	7
294	Loyola College, Madras	1	6	7
295	Coll. Commerce, Patna	1	6	7
296	Ahmednagar Coll., Ahmednagar	1	6	7
297	Government College of Pharmacy, Bangalore	4	3	7
298	S.N.D.T. Women's Univ., Bombay	2	5	7
299	Rajendra Agric. Univ., Samastipur	3	4	7
300	S.M.M. Town Post-Graduate College, Ballia	3	4	7
301	Lupin Lab. Ltd., Aurangabad	3	4	7
302	A.P.S. Univ., Rewa	2	5	7
303	St. Andrew's Coll., Gorakhpur	4	3	7
304	S.D. Postgrad. Coll., Muzaffarnagar	6	1	7
305	Delhi Coll. Eng., Delhi	3	3	6
306	Madras Vet. Coll., Madras	3	3	6
307	VHNSN Coll., Virudhunagar	3	3	6
308	Coll. Pharm., Indore	5	1	6
309	Yeshwant Mahavidyalaya, Nanded	5	1	6
310	Bombay Textile Research Association, Bombay	1	5	6
311	Burdwan Med. Coll., Burdwan	3	3	6
312	Mishra Dhatu Nigam Ltd., Hyderabad	4	2	6
313	Cancer Inst., Madras	1	5	6
314	Sch. Trop. Med., Calcutta	4	2	6
315	Punjabrao Krishi Vidyapeeth, Akola	1	5	6
316	St. John's Med. Coll., Bangalore	2	4	6
317	Rohilkhand Univ., Bareilly	1	5	6
318	Haffkine Inst., Bombay	0	6	6
319	M S G Coll., Malegaon Camp	2	4	6
320	Lady Hardinge Med. Coll., New Delhi	2	4	6
321	Sri Sathya Sai Inst. Higher Learn., Prasanthinilayam	2	4	6
322	Andhra Pradesh Paper Mills Ltd., Rajahmundry	1	5	6
323	Hind. Aeronaut. Ltd., Bangalore	4	2	6
324	Technol. Inst. Text., Bhiwani	3	3	6
325	Astra Res. Cent., Bangalore	3	3	6

Contd..

Sr. No.	Name of the Institute	No. of papers		
		1990	1994	Total
326	Dept. of Physics, Bhopal	4	2	6
327	College Ceramic Technology, Calcutta	2	4	6
328	PSG College of Technology, Coimbatore	2	4	6
329	C.S. Azad Univ. Agric. Technol., Kanpur	3	3	6
330	L.I.T., Nagpur	2	4	6
331	Res. Dev. Cent. Iron Steel, Ranchi	4	2	6
332	V. P. & RPTP Sci. Coll., Vallabh Vidyanagar	3	3	6
333	Cent. Public Health Drugs Lab., Calcutta	6	0	6
334	Assam Agric. Univ., Jorhat	4	2	6
335	Reg. Cent. Explor. Res., Shillong	3	3	6
336	Periyar EVR Coll., Tiruchirapalli	6	0	6
337	NPC, Bombay	0	5	5
338	Neutron Phys. Div., Bombay	5	0	5
339	Div. For. Prod., Dehra Dun	5	0	5
340	SPIC Sci. Found., Madras	0	5	5
341	Ramakrishna Mission Vivekananda Coll., Madras	4	1	5
342	Asian Paints (I) Ltd., Bombay	0	5	5
343	Natl. Alum. Co. Ltd., Damanjodi	4	1	5
344	C. N. College, Erode	1	4	5
345	Nuclear Fuel Complex, Hyderabad	0	5	5
346	Dep. Pharm. Sci., Sagar	3	2	5
347	Reg. Eng. Coll., Warangal	0	5	5
348	S. P. Mandali's TDM Lab., Bombay	4	1	5
349	Indian Counc. Agric. Res., Calcutta	3	2	5
350	Indian Drugs and Pharm. Ltd., Hyderabad	3	2	5
351	Cent. Soil Salinity Res. Inst., Karnal	3	2	5
352	Principal K. M. Kundnani Coll. Pharm., Bombay	1	4	5
353	Manipur University, Canchipur	2	3	5
354	Central Scientific Instruments Organisation, Chandigar	1	4	5
355	Cent. Potato Res. Inst., Shimla	5	0	5
356	Pachaiyappa's Coll., Madras	1	4	5
357	J.S.S. College of Pharmacy, Ootacamund	3	2	5
358	Frederick Inst. Plant Prot. Toxicol., Padappai	1	4	5
359	Agharkar Res. Inst., Pune	0	5	5
360	NIFFT, Ranchi	2	3	5
361	Post-Graduate College, Secunderabad	2	3	5
362	UPASI Tea Research Institute,	2	3	5

Contd..

Sr. No.	Name of the Institute	No. of papers		
		1990	1994	Total
	Valparai			
363	M. L. K. Coll., Balrampur	4	1	5
364	MLV Gov. Coll., Bhilwara	2	3	5
365	D.B.S. (PG) Coll., Dehra Dun	4	1	5
366	Projects and Dev. India Ltd., Dhanbad	4	1	5
367	Rubber Board, Kottayam	3	2	5
368	Uttar Pradesh State Obs., Naini Tal	4	1	5
369	Mukand Ltd., Bombay	0	4	4
370	Sandoz (I) Ltd., Bombay	0	4	4
371	Wadia Inst. Himalayan Geol., Dehra Dun	1	3	4
372	Cent. Arid Zone Res. Inst., Jodhpur	3	1	4
373	Inst. Armament Technol., Pune	1	3	4
374	Coll. Home Sci., Hyderabad	4	0	4
375	Cent. Coffee Res. Inst., Karnataka	4	0	4
376	Weld. Res. Lab., Roorkee	4	0	4
377	Gov. Polytech., Warangal	4	0	4
378	S.N. Medical College, Agra	0	4	4
379	Reg. Res. Lab., Assam	0	4	4
380	IDL-Nitro Nobel Basic Res. Inst., Bangalore	2	2	4
381	Vet. Coll., Bangalore	1	3	4
382	Malti-Chem Res. Cent., Baroda	0	4	4
383	Malaria Research Centre, Delhi	1	3	4
384	Bharat Heavy Electr. Ltd., Hyderabad	2	2	4
385	Inter Univ. Consortium DAE Fac., Indore	0	4	4
386	Tamil Nadu Newsprint and Papers Ltd., Kagithapuram	0	4	4
387	CSIR Complex, Palampur	0	4	4
388	Cent. Tasar Res. and Train. Inst., Ranchi	0	4	4
389	E.S.I.S. Hospital, Thane	0	4	4
390	Gujarat Cancer Res. Inst., Ahmedabad	3	1	4
391	Sugarcane Breed. Inst., Coimbatore	3	1	4
392	North East. Reg. Inst. Sci. Technol., Itanagar	4	0	4
393	Natl. Peroxide Ltd., Kalyan	3	1	4
394	Jamal Mohamed Coll., Tiruchirapalli	3	1	4
395	Maharaja Post-Graduate College, Arrah	2	2	4
396	Development Consultants Ltd, Calcutta	1	3	4
397	Satyendra Nath Bose Natl. Cent. Basic Sc, Calcutta	1	3	4
398	University Agricultural Sciences,	0	4	4

Contd..

Table - II

Pg:11

Sr. No.	Name of the Institute	No. of papers		
		1990	1994	Total
	Dharwar			
399	A.P. Agricultural University, Hyderabad	2	2	4
400	CIPET, Madras	0	4	4
401	Hindu Coll., Moradabad	2	2	4
402	D.A.V. College, Muzaffarnagar	1	3	4
403	Visvesvaraya Reg. Coll. Eng., Nagpur	1	3	4
404	Sahu Jain (P.G.) College, Najibabad	0	4	4
405	Engineers India Limited, New Delhi	0	4	4
406	Dalmia Institute Scientific and Industri, Rajgangpur	2	2	4
407	Central Tasar Research and Training Inst, Ranchi	0	4	4
408	Univ. Sagar, Sagar	2	2	4
409	Sahibganj College, Sahibganj	2	2	4
410	B.J.B. Coll., Bhubaneswar	2	2	4
411	IISCO Sub Cent., Burnpur	4	0	4
412	N.P.G. Coll. Barhalganj, Gorakhpur	4	0	4
413	Coll. Vet. Sci., Hyderabad	2	2	4
414	Birbal Sahni Inst. Palaeobot., Lucknow	2	2	4
415	Shri AMM Murugappa Chettiar Res. Cent., Madras	3	1	4
416	Anamed Instrum. (Pvt.) Ltd., New Bombay	4	0	4
417	Medical College, Amritsar	2	2	4
418	Indian Space Research Organisation, Andhra Pradesh	3	1	4
419	Forensic Sci. Lab., Ahmedabad	2	1	3
420	ICMR, Bombay	1	2	3
421	R.C.F. Ltd., Bombay	2	1	3
422	Mepco Schlenk Eng. Coll., Mepco Nagar	0	3	3
423	Indian Vet. Res. Inst., Palampur	2	1	3
424	Department Chemistry, Santiniketan	0	3	3
425	Hindustan Zinc Limited, Udaipur	0	3	3
426	Electr. Res. Dev. Assoc., Vadodara	1	2	3
427	Sheila Dhar Inst. Soil Sci., Allahabad	3	0	3
428	Coll. Agric., Bhubaneswar	3	0	3
429	Sasmira, Bombay	3	0	3
430	St. Xavier's Coll., Calcutta	3	0	3
431	Forensic Sci. Lab., Haryana	3	0	3
432	Inst. Deciduous For., Jabalpur	3	0	3
433	Dep. Metall. Eng., Kharagpur	3	0	3
434	Madras Christ. Coll., Madras	3	0	3
435	Board Radiat. Isot. Technol., New Bombay	3	0	3

Contd..

Sr. No.	Name of the Institute	No. of papers		
		1990	1994	Total
436	Inst. Hist. Med. Res., New Delhi	3	0	3
437	Brindavan Soc., Thane	3	0	3
438	VBRI, Udaipur	3	0	3
439	Swami Jnanananda Lab. Nucl. Res., Visakhapatnam	3	0	3
440	Cadila Lab. Ltd., Ahmedabad	1	2	3
441	Godrej Soaps Ltd., Bombay	1	2	3
442	Atomic Mol. Phys. Section, Calcutta	0	3	3
443	Reckitt and Colman India Ltd., Hosur	1	2	3
444	Directorate of Rice Research, Hyderabad	1	2	3
445	DAV Coll., Kanpur	1	2	3
446	Rubber Res. Inst. India, Kerala	0	3	3
447	Gov. Fruit Preserv. and Cann. Inst., Lucknow	0	3	3
448	Forensic Sci. Dep., Madras	1	2	3
449	Government Arts College, Madras	1	2	3
450	American College, Madurai	1	2	3
451	S. J. Coll. Eng., Mysore	1	2	3
452	Shivalik College, Naya Nangal	1	2	3
453	Nuclear Science Centre, New Delhi	0	3	3
454	Kuvempu University, Shimoga	0	3	3
455	School of Chemistry, Visakhapatnam	1	2	3
456	Atarra P. G. Coll., Atarra	3	0	3
457	Goa Med. Coll., Bambolim	3	0	3
458	Radiochem. Div., Bombay	2	1	3
459	Gandhigram Rural Univ., Gandhigram	2	1	3
460	Dabur Res. Found., Ghaziabad	3	0	3
461	Cent. Res. Inst., Kasauli	2	1	3
462	Shri Meenakshi Gov. Arts Coll. Women, Madurai	2	1	3
463	Indian Bur. Mines, Nagpur	2	1	3
464	ICAR, Tadong	3	0	3
465	St. Xavier's College, Ahmedabad	2	1	3
466	P Gr. Coll., Alwar	0	3	3
467	NNS College, Assam	0	3	3
468	Research and Development Centre, Ahmedabad	0	2	2
469	Torrent Res. Cent., Ahmedabad	0	2	2
470	B.H.U., Calcutta	0	2	2
471	Bengal Waterproof Limited, Calcutta	0	2	2
472	CCRAS, Calcutta	0	2	2
473	Dep. Spectroscopy, Calcutta	0	2	2
474	College of Science, Hyderabad	0	2	2
475	Laser Programme, Indore	0	2	2
476	Central Potato Research Station, Jalandhar	0	2	2

Contd..

Sr. No.	Name of the Institute	No. of papers		
		1990	1994	Total
477	Govt. College of Pharmacy, Karad	0	2	2
478	Ferroelectrics Laboratory, Kolhapur	0	2	2
479	A.B. Shetty Meml. Inst. Dent. Sci., Mangalore	0	2	2
480	Central Inst. Res. Cotton Technol., Matunga/Bombay	0	2	2
481	Win-Medicare Limited, Modipuram	0	2	2
482	Dep. Studies Physics, Mysore	0	2	2
483	Central Agmark Laboratory, Nagpur	0	2	2
484	Department Atomic Energy, Nagpur	0	2	2
485	BRIT, New Bombay	0	2	2
486	DESM, New Del	0	2	2
487	Advani-Oerlikon Ltd., New Delhi	0	2	2
488	At. Miner. Div., New Delhi	0	2	2
489	Manonmaniam Sundaranar Univ., Palayamkottai	0	2	2
490	S.K.C.G. College, Paralakhemundi	0	2	2
491	Cent. Adv. Study Mar. Biol., Parangipettai	1	1	2
492	A. N. Coll., Patna	1	1	2
493	S M D College, Patna	0	2	2
494	Sri Venkateswara College of Engineering, Pennalur	0	2	2
495	Vector Control Res. Cent., Pondicherry	1	1	2
496	Bharati Vidyapeeth, Pune	1	1	2
497	Nowrosjee Wadia Coll., Pune	1	1	2
498	Poona College of Pharmacy, Pune	0	2	2
499	National Institute of Hydrology, Roorkee	0	2	2
500	Rourkela Steel Plant, Rourkela	1	1	2
501	Sant Longowal Inst. Engineering Technol., Sangrur	0	2	2
502	Indira Gandhi Institute Technology, Sarang	0	2	2
503	Bengal Eng. Coll., Shibpur	1	1	2
504	H.N.B. Garhwal University Campus, Tehri Garhwal	0	2	2
505	Defence Research Laboratory, Tezpur	0	2	2
506	Netel Chromatographs, Thane	0	2	2
507	Inst. Med. Sci. Technol., Trivandrum	0	2	2
508	St. Mary's Coll., Tuticorin	0	2	2
509	Samrat Ashok Technol. Inst., Vidisha	1	1	2
510	Vivekananda Coll., Agasteeswaram	2	0	2
511	Univ. Polytech., Aligarh	2	0	2
512	Rajendra Prasad Cent. Ophthalmic Sci., Ansari Nagar	2	0	2

Contd..

Sr. No.	Name of the Institute	No. of papers		
		1990	1994	Total
513	H. D. Jain Coll., Arrah	2	0	2
514	Inst. Wood Sci. Technol., Bangalore	2	0	2
515	Sarabhai Res. Cent., Baroda	2	0	2
516	Auxichem, Bombay	2	0	2
517	Bombay Vet. Coll., Bombay	2	0	2
518	Cotton Technol. Res. Lab., Bombay	2	0	2
519	IDP-Corros. Sci. Eng., Bombay	2	0	2
520	Seth G. S. Med. Coll., Bombay	2	0	2
521	Wilson Coll., Bombay	2	0	2
522	VP Chest Inst., Delhi	2	0	2
523	Durgapur Steel Plant, Durgapur	2	0	2
524	LRPG Coll., Ghaziabad	2	0	2
525	Dhempe Coll. Arts Sci., Goa	2	0	2
526	Jai Res. Found., Gujarat	2	0	2
527	Natl. Res. Cent. Groundnut, Gujarat	2	0	2
528	Potash Res. Inst. India, Gurgaon	2	0	2
529	SNVMV Coll., Hyderabad	2	0	2
530	Malaviya Reg. Eng. Coll., Jaipur	2	0	2
531	Cent. Plantat. Crops Res. Inst., Kasaragod	2	0	2
532	Vainu Bappu Obs., Kavalur	2	0	2
533	Aromatic and Med. Plants Res. Stn., Kerala	2	0	2
534	New Coll., Kolhapur	2	0	2
535	Sir Padampat Res. Cent., Kota	2	0	2
536	Sch. Biol. Sci., Madurai	2	0	2
537	ICAR, Meghalaya	2	0	2
538	Nalco, Orissa	2	0	2
539	APA Coll. Arts Cult., Palani	2	0	2
540	Deccan Sugar Inst., Pune	2	0	2
541	Inst. Pap. Technol., Saharanpur	2	0	2
542	Projects and Dev. India Ltd., Sindri	2	0	2
543	M/s Walter Bushnell Ltd., Thane	2	0	2
544	Aditanar Coll., Tiruchendur	2	0	2
545	Offshore Platform Mar. Electrochem. Cent., Tuticorin	2	0	2
546	Univ. Coll. Sci., Udaipur	2	0	2
547	Central JALMA Institute for Leprosy, Agra	1	1	2
548	Fac. Sci., Agra	1	1	2
549	B J Med. Coll., Ahmedabad	0	2	2
550	Oil Nat. Gas Commission, Ahmedabad	1	1	2
		8779	10060	18839

Note: Institutes having only one paper either in 1990 or in 1994 are not considered in this table.

**Indian organisations contributing to Chemical Abstracts
Database 1990 and 1994 classified by organisation type**

Table - II A

Pg: 1

Sr. No.	Type of Organisation	No. of Instt.	No. of papers		
			1990	1994	Total
1	Academic Institutions, Universities etc.	268	4938	5554	10492
2	Central Government Instittutes including Public sector	165	3196	3820	7016
3	Private Sector R & D Units including DSIR organisations	83	492	497	989
4	State Government Institutes	34	153	189	342
Total:-			8779	10060	18839

**India's contribution to journal literature of Chemical
Science classified by Chemical Abstract (CA) section
as seen from Chemical Abstracts Database 1990 and 1994**

Table III

Pg: 1

Sr. No.	CA Section	Description	No. of Papers		
			1990	1994	Total
1	1	Pharmacology	268	335	603
2	2	Mammalian Hormones	153	132	285
3	3	Biochemical Genetics	41	122	163
4	4	Toxicology	455	463	918
5	5	Agrochemical Bioregulators	266	316	582
6	6	General Biochemistry	83	114	197
7	7	Enzymes	128	143	271
8	8	Radiation Biochemistry	47	72	119
9	9	Biochemical Methods	55	85	140
10	10	Microbial, Algal, and Fungal Biochemistry	174	227	401
11	11	Plant Biochemistry	381	445	826
12	12	Nonmammalian Biochemistry	123	166	289
13	13	Mammalian Biochemistry	61	100	161
14	14	Mammalian Pathological Biochemistry	62	100	162
15	15	Immunochemistry	46	90	136
16	16	Fermentation and Bioindustrial Chemistry	75	126	201
17	17	Food and Feed Chemistry	152	267	419
18	18	Animal Nutrition	54	98	152
19	19	Fertilizers, Soils, and Plant Nutrition	201	243	444
20	20	History, Education, and Documentation	14	29	43
21	21	General Organic Chemistry	16	60	76
22	22	Physical Organic Chemistry	236	264	500
23	23	Aliphatic Compounds	26	17	43
24	24	Alicyclic Compounds	29	36	65
25	25	Benzene, Its Derivatives, and Condensed Benzenoid Compounds	114	109	223
26	26	Biomolecules and Their Synthetic Analogs	113	97	210
27	27	Heterocyclic Compounds (One Hetero Atom	116	117	233
28	28	Heterocyclic Compounds (More Than One Hetero Atom	297	277	574
29	29	Organometallic and Organometalloidal Compounds	96	122	218
30	30	Terpenes and Terpenoids	54	64	118
31	31	Alkaloids	20	19	39
32	32	Steroids	23	29	52
33	33	Carbohydrates	36	69	105
34	34	Amino Acids, Peptides, and Proteins	45	61	106
35	35	Chemistry of Synthetic High	122	199	321

Contd..

Table III

Pg: 2

Sr. No.	CA Section	Description	No. of Papers		
			1990	1994	Total
		Polymers			
36	36	Physical Properties of Synthetic High Polymers	63	114	177
37	37	Plastics Manufacture and Processing	87	196	283
38	38	Plastics Fabrication and Uses	27	68	95
39	39	Synthetic Elastomers and Natural Rubber	60	120	180
40	40	Textiles and Fibers	134	121	255
41	41	Dyes, Organic Pigments, Fluorescent Brighteners, and Photographic Sensitizers	38	42	80
42	42	Coatings, Inks, and Related Products	43	40	83
43	43	Cellulose, Lignin, Paper, and Other Wood Products	48	77	125
44	44	Industrial Carbohydrates	10	8	18
45	45	Industrial Organic Chemicals, Leather, Fats, and Waxes	65	77	142
46	46	Surface Active Agents and Detergents	23	23	46
47	47	Apparatus and Plant Equipment	7	30	37
48	48	Unit Operations and Processes	174	241	415
49	49	Industrial Inorganic Chemicals	44	55	99
50	50	Propellants and Explosives	26	32	58
51	51	Fossil Fuels, Derivatives, and Related Products	96	173	269
52	52	Electrochemical, Radiational, and Thermal Energy Technology	154	165	319
53	53	Mineralogical and Geological Chemistry	73	206	279
54	54	Extractive Metallurgy	68	105	173
55	55	Ferrous Metals and Alloys	181	248	429
56	56	Nonferrous Metals and Alloys	250	274	524
57	57	Ceramics	98	214	312
58	58	Cement, Concrete, and Related Building Materials	43	36	79
59	59	Air Pollution and Industrial Hygiene	70	95	165
60	60	Waste Treatment and Disposal	96	115	211
61	61	Water	182	178	360
62	62	Essential Oils and Cosmetics	19	24	43
63	63	Pharmaceuticals	123	183	306
64	64	Pharmaceutical Analysis	104	93	197
65	65	General Physical Chemistry	242	386	628
66	66	Surface Chemistry and Colloids	105	103	208

Contd..

Table III

Pg: 3

Sr. No.	CA Section	Description	No. of Papers		
			1990	1994	Total
67	67	Catalysis, Reaction Kinetics, and Inorganic Reaction Mechanisms	144	125	269
68	68	Phase Equilibriums, Chemical Equilibriums, and Solutions	271	181	452
69	69	Thermodynamics, Thermochemistry, and Thermal Properties	81	57	138
70	70	Nuclear Phenomena	310	322	632
71	71	Nuclear Technology	137	189	326
72	72	Electrochemistry	247	136	383
73	73	Optical, Electron, and Mass Spectroscopy and Other Related Properties	522	428	950
74	74	Radiation Chemistry, Photochemistry and photographic and related Reprographic pro	62	104	166
75	75	Crystallography and Liquid Crystals	265	255	520
76	76	Electric Phenomena	569	690	1259
77	77	Magnetic Phenomena	117	170	287
78	78	Inorganic Chemicals and Reactions	399	399	798
79	79	Inorganic Analytical Chemistry	171	180	351
80	80	Organic Analytical Chemistry	48	43	91
Total:-			10278	12334	22612

Indian statewise contribution to the world
literature of Chemical Science as seen from
Chemical Abstracts Database for 1990 and 1994
(Arranged by No. of papers)

Table IV

Pg: 1

Sr. No.	State	No. of Papers		
		1990	1994	Total
1	MAHARASHTRA	1528	1905	3433
2	UTTAR PRADESH	1574	1550	3124
3	WEST BENGAL	1203	1427	2630
4	TAMILNADU	902	1097	1999
5	ANDHRA PRADESH	945	1002	1947
6	KARNATAKA	737	1076	1813
7	DELHI	659	827	1486
8	GUJARAT	356	488	844
9	HARYANA	391	448	839
10	MADHYA PRADESH	279	461	740
11	KERALA	219	339	558
12	RAJASTHAN	300	242	542
13	BIHAR	250	284	534
14	ORISSA	219	293	512
15	PUNJAB	216	223	439
16	ASSAM	60	95	155
17	HIMACHAL PRADESH	42	87	129
18	MEGHALAYA	79	46	125
19	JAMMU & KASHMIR	59	62	121
20	PONDICHERRY	46	42	88
21	GOA	31	50	81
22	MANIPUR	11	14	25
23	TRIPURA	3	5	8
24	ARUNACHAL PRADESH	6	0	6
25	MIZORAM	4	1	5
26	NAGALAND		1	1
Total:		10119	12065	22184

Note: State information / PIN was not available on 154 and 264 papers for 1990 and 1994 respectively.

**India's contribution to world literature of
Chemical Science as seen from Chemical Abstracts
Database classified by document types**

Table V

Pg: 1

Sr. No.	Document Type	No. of papers		
		1990	1994	Total
1	Journal articles	10106	11570	21676
2	Conference papers	111	600	711
3	Patent	51	43	94
4	Report	7	9	16
5	Book	2	5	7
6	Dissertation	1	0	1
Total:-		10278	12227	22505

Indian Papers covered by Chemical Abstracts
Database classified by Languages

Table VI

Pg: 1

Sr. No.	Language	No. of Papers Total		
		1990	1994	
1	English	10197	12227	22424
2	French	1	2	3
3	German	2	5	7
4	Hindi	11	4	15
		10211	12238	22449