

ISSN: 2454-6968
RNI No. UPENG/2013/54102

Volume 8
Issue 88
November 2020

Rs. 800

BIO EXPRESS

The only magazine of Bi

**Prof Ashok Pandey
under top 10 in World's
Ranking of top 2%
scientists, no.1 from
India**

Editorial in News

In the study the scientists of Stanford University created a database of more than 100,000 top scientists of the world and made ranking on the basis of standardised citation indicators such as citations, H-index, co-authorship and a composite indicator. The database, a work of John Ioannidis, Kevin Boyack and Jeroene Bass from the departments of Medicine, Epidemiology and Public Health and Biomedical Data Science, University of Stanford, California, USA has been published in the October 16 issue of PLoS Biology. These scientists are from across all scientific fields based on their ranking of a composite indicator that considers six citation metrics to measure impact of research publications. Scientists have been classified into 22 scientific fields and 176 sub fields.

The list includes about 1,500 scientists from India. Subject-wise ranking of top 2 percent scientists from India is available at <http://shorturl.at/bdix8>.

About Professor Ashok Pandey

Professor Pandey is eminent biotechnologist and Founder of BRSI. He is currently Distinguished Scientist at Centre for Innovation and Translational Research, CSIR-Indian Institute of Toxicology Research (IITR), Lucknow, India and Honorary Executive Director at the Centre for Energy and Environmental Sustainability- India. Formerly, he was Eminent Scientist at the Center of Innovative and Applied Bioprocessing (CIAB), Mohali and Chief Scientist & Head of Biotechnology Division at CSIR's National Institute for Interdisciplinary Science and Technology (NIIST) at Trivandrum.

Prof Ashok Pandey under top 10 in World Ranking of top 2% scientists list, no.1 from India

by Kamal Pratap Singh

Details of methodology on preparing the list of top 2% scientists in the world by Stanford Researchers

- Authors used updated analyses that use citations from Scopus with data freeze as of May 6, 2020
- Assessed scientists for career-long citation impact up until the end of 2019
- Assessed for citation impact during the single calendar year 2019

Updated databases and code are freely available in Mendeley (<https://dx.doi.org/10.17632/btchxktzyw>). The original database (version 1) can be found in <https://data.mendeley.com/datasets/btchxktzyw/1>, The updated (version 2) can be found in <https://data.mendeley.com/datasets/btchxktzyw/2> Any subsequent updates that might appear in the future will be generally accessible in <https://dx.doi.org/10.17632/btchxktzyw>

- Primary list contains all scientists who are among the top 100,000 across all fields according to the composite citation index.
- Fields also contain names who are not in top 100,000 but within top 2%.
- Field and subfield discipline categories use the Science-Metrix classification
- Specific field and subfield have been assigned using a character-based convolutional deep neural network.
- Derived the 25th, 50th, 75th, 90th, 95th, and 99th percentile thresholds for each field and each subfield for career-long and single year 2019 impact based on citations and, separately, based on the composite indicator.
- The formula to calculate the composite indicator for career-long impact is derived by summing the ratio of log of 1 + the indicator value over the maximum of those indicator logs for 6 indicators (NC, H, Hm, NCS, NCSE, NCSFL)
- The formula to calculate the composite indicator for single year 2019 impact follows the same principle and only uses citations from publications published in 2019. Maximum log values across the population are in separate tables for career and single year 2019.

Professor Pandey is Adjunct/Visiting Professor/Scientist in universities in France, Brazil, Canada, China, Korea, South Africa, and Switzerland and also in several universities several in India. He has ~1400 publications/communications, which include 16 patents, 87 books, 700 papers and book chapters, etc. with h index of 100 and >45,000 citations (Goggle scholar). He has transferred several technologies to industries and has done industrial consultancy for about a dozen projects for Indian/international industries.

Professor Pandey is Editor-in-chief of Bioresource Technology, Honorary Executive Advisors of Journal of Water Sustainability and Journal of Energy and

Environmental Sustainability, Subject editor of Proceedings of National Academy of Sciences (India) and editorial board member of several international and Indian journals.

Professor Pandey is the recipient of many national and international awards and honours, which include Distinguished Professor of Eminence with global impact in the area of Biotechnology, Precious Cornerstone University, Nigeria (2020), Highest Cited Researcher (Top 1% in the world), Clarivate Analytics, Web of Science (2019); IconSWM Life-time Achievement Award 2019, International Society for Solid Waste Management, KIIT, Bhubaneshwar, India (2019);



Online and social Media

www.biotechexpressmag.com

<https://www.facebook.com/BiotechExpressmagazine>

<https://www.linkedin.com/in/biotechexpressmagazine/>

<https://twitter.com/KBiotechexpress>

**BALANCE YOUR
BIOTECH ADS BUDGET**

**Targeting
Your
Targets ?**

Contact Us

Call us: _91-9311986177

biotechexpressindia@gmail.com

www.biotechexpressmag.com

Korea (2019), Highest Cited Researcher (Top 1% in the world; Top 10 in India), Clarivate Analytics, Web of Science (2018); Life-Time Achievement Award from the Biotech Research Society, India (2018); Life-Time Achievement Award from Venus International Research Awards (2018), Most Outstanding Researcher Award from Career360 (2018), Life-Time Achievement Award from the International Society for Energy, Environment and Sustainability (2017); Academician of European Academy of Sciences and Arts, Austria (2015); Honorary Doctorate degree from Univesite Blaise Pascal, France (2007); Thomson Scientific India Citation Laureate Award, USA (2006); UNESCO Professor (2000); Raman Research Fellowship Award, CSIR (1995); GBF, Germany and CNRS, France Fellowships (1992) and Young Scientist Award (1989), etc. He is Fellow of various academies, which include Royal Society of Biology, UK (2016); International Society for Energy, Environment and Sustainability (2016); National Academy of Sciences, India (2012); Association of Microbiologists of India (2008), International Organization of Biotechnology and Bioengineering (2007) and the Biotech Research Society, India (2005).

Professor Pandey is Founder President of the Biotech Research Society, India (www.brsi.in); Founder & International Coordinator of International Forum on Industrial Bioprocesses, France (www.ifibiop.org), Chairman of the International Society for Energy, Environment & Sustainability (www.isees.in), Editor-in-chief of Bioresource Technology (<http://ees.elsevier.com/bite/>), Honorary Executive Advisor of Journal of Energy and Environmental Sustainability (www.jees.in), Journal of Systems Microbiology and Biomanufacturing (<https://www.springer.com/journal/43393>), Journal of Environmental Sciences and Engineering (<http://neerijese.org/editorial-board/>), Subject Editor, Proceedings of National Academy of Sciences, India (<https://www.springer.com/life+sciences/journal/40011>) and Associate Editor, *Biology – Section Cellular and Molecular Biology* (<https://www.springer.com/journal/11756/editors>) and editorial board member of several international and Indian journals.

Last but not the least, Prof Ashok Pandey is Adviso-

ry Member of Biotech Express Magazine Editorial Board. Prof Sir Ashok Pandey is among the first few scientists (Prof Kambadur Muralidhar, and few others) who joined our board in 2013 when the magazine was launched and since then providing valuable advice and critics toward the content selection and publication. Prof Pandey and his NGO BRSI and Biotech Express share a common goal i.e. Promotion of Indian Science. We proudly congratulate Prof Ashok Pandey on this unprecedented achievement on behalf of of Biotech Express Magazine.

Women in Science



Ranked at 886, Reeta Rani Singhania is a Chief Scientist at Centre for Energy and Environmental Sustainability, Lucknow. She has worked at CSIR-NIIST, Trivandrum, India; EPFL, Lausanne, Switzerland, University Blaise Pascal, Clermont-Ferrand, France and DBT-IOC Centre for Advanced Bioenergy Research, Faridabad, India. Her major research interest is in the areas of microbial and enzyme technologies, with current focus on biofuels from lignocellulosic biomass. She is the recipient of DBT-Bioscience Energy Overseas fellowship in 2013, Elsevier Best Paper award in 2007, AU CBT Excellence award of BRSI in 2008 and IFIBiop Young Scientist award for the year 2013. She is an editorial board member of Bioresource Technology, Biofuel Research Journal and Journal of Energy and Environmental Sustainability. Dr Singhania has more than ~6000 citations and an h index of 29 (Google scholar).

Table: Indian Scientists from Biotechnology and other Allied Subjects who have appeared in world's top 2% scientists list

Subjects and their given codes - Biotechnology - BT | Biochemistry & Molecular Biology – BMB | Bioinformatics – BI | Biophysics – BP | Genetics & Heredity – GH | Immunology – IM | Marine Biology & Hydrobiology –MBH | Ecology –Eco | Microbiology MB | Mycology & Parasitology - MYP | Biomedical Engineering – BME | Dairy & Animal Science – DAS | Oncology & Carcinogenesis – ONC | Toxicology – Tox | Virology - Vir | Medicinal & Biomolecular Chemistry – MBC | Plant Biology & Botany – PBB | Zoology - Zoo

Author	Field	Institute	Rank	C-score	Top %	Number of papers
Pandey, Ashok	BT	Indian Institute of Toxicology Research	8	4.47889562	0.015890988	600
Venkata Mohan, S.	BT	Indian Institute of Chemical Technology	29	4.19389623	0.057604831	337
Gupta, Munishwar Nath	BT	Indian Institute of Technology Delhi	84	3.90383257	0.166855372	280
D'Souza, S. F.	BT	Bhabha Atomic Research Centre	90	3.88919306	0.178773613	196
Rathore, Anurag S.	BT	Indian Institute of Technology Delhi	112	3.81313664	0.22247383	277
Ghose, Tarun K.	BT	Birla Institute of Scientific Research	115	3.81080115	0.22843295	72
Husain, Qayyum	BT	Aligarh Muslim University	130	3.77351667	0.258228552	120
Malik, Anushree	BT	Indian Institute of Technology Delhi	154	3.72545969	0.305901516	113
Sen, Ramkrishna	BT	Indian Institute of Technology Kharagpur	193	3.67914128	0.383370081	143
Mallick, Nirupama	BT	Indian Institute of Technology Kharagpur	215	3.6440721	0.427070298	102
Annadurai, G.	BT	Manonmaniam Sundaranar University	240	3.59236358	0.476729635	114
Pundir, C. S.	BT	Maharshi Dayanand University	245	3.58569428	0.486661502	249
Banerjee, Uttam Chand	BT	National Institute of Pharmaceutical Education and Research, Mohali	294	3.52355239	0.583993803	218
Kuhad, Ramesh Chander	BT	University of Delhi	325	3.4906838	0.64557138	170
Gupta, Rani	BT	University of Delhi	374	3.44615792	0.742903681	133
Roy, Ipsita	BT	National Institute of Pharmaceutical Education and Research, Mohali	386	3.43224436	0.766740162	207
Cameotra, Swaranjit Singh	BT	Institute of Microbial Technology India	440	3.39158295	0.87400433	122
Singh, R. S.	BT	Punjabi University	449	3.38186882	0.891881692	132
Purohit, Hemant	BT	National Environmental Engineering Research Institute	456	3.37593987	0.905786306	284
Abraham, T. Emilia	BT	National Institute for Interdisciplinary Science and Technology	481	3.35640139	0.955445643	57
Das, Nilanjana	BT	Vellore Institute of Technology, Vellore	497	3.33861451	0.987227619	96
Thakur, Indu Shekhar	BT	Jawaharlal Nehru University	503	3.33451794	0.999145859	158
Patnaik, Pratap R.	BT	Gharda Institute of Technology	551	3.30080383	1.094491786	138
Satyanarayana, Tulasi	BT	Netaji Subhas Institute of Technology	580	3.28610166	1.152096617	186
Naik, Satya Narayan	BT	Indian Institute of Technology Delhi	584	3.28386563	1.160042111	136
Zinjarde, Smita	BT	Savitribai Phule Pune University	642	3.24876685	1.275251773	106
Paknikar, K. M.	BT	Agharkar Research Institute	654	3.23855286	1.299088255	124
Ahmad, Iqbal	BT	Aligarh Muslim University	716	3.21289759	1.42224341	182
Karmee, Sanjib Kumar	BT	Sardar Patel Renewable Energy Research Institute	726	3.20731004	1.442107145	33
Arora, Daljit Singh	BT	Guru Nanak Dev University	737	3.20162262	1.463957253	84
Madamwar, Datta	BT	Sardar Patel University	749	3.19735178	1.487793735	230
Chirmule, Narendra	BT	Biocon Limited	754	3.19606244	1.497725602	108
Saxena, Rajendra Kumar	BT	University of Delhi	756	3.19495289	1.501698349	145
Panesar, Parmjit Singh	BT	Sant Longowal Institute of Engineering and Technology	781	3.18022966	1.551357686	117
Nigam, J. N.	BT	Harcourt Butler Technological Institute	783	3.17904391	1.555330433	28
Sukumaran, Rajeev K.	BT	National Institute for Interdisciplinary Science and Technology	791	3.17690515	1.571221421	96
Nath, Sunil	BT	Indian Institute of Technology Delhi	808	3.1674773	1.60498977	55
Singhania, Reeta Rani	BT	Indian Oil Corporation Limited	886	3.12896559	1.759926901	56
Das, S.	BT	National Institute of Technology Rourkela	901	3.12246607	1.789722504	110
Divakar, Soundar	BT	Central Food Technological Research Institute India	924	3.11399125	1.835409094	131
Ghangrekar, M. M.	BT	Indian Institute of Technology Kharagpur	984	3.08817696	1.954591502	141
Venkatesh, Kareenhalli V.	BT	Indian Institute of Technology, Bombay	996	3.08499929	1.978427984	111
Desai, J. D.	BT	Indian Petrochemicals Corporation Limited	1027	3.07047573	2.040005562	49
Chakrabarti, Pinak	BMB	Bose Institute	1516	3.81407261	1.116051709	143

Editorial in News

Srivastava, Deepak Kumar	BMB	University of Lucknow	1706	3.77375129	1.255926264	208
Snyderman, Ralph	BMB	Duke University School of Medicine	2094	3.70282657	1.541564828	301
Udgaonkar, Jayant B.	BMB	National Centre for Biological Sciences	2523	3.63831113	1.857386849	170
Mukherjee, Ashis Kumar	BMB	Tezpur University	2564	3.63160676	1.887570305	107
Manna, Sunil Kumar	BMB	Centre for DNA Fingerprinting & Diagnostics (CDFD)	2843	3.58834385	2.092965046	111
Vijayan, Mamannamana	BMB	Indian Institute of Science, Bengaluru	3007	3.5645988	2.213698872	248
Jana, Nihar R.	BMB	Indian Institute of Technology Kharagpur	3446	3.50635701	2.536882712	93
Srinivasula, S. Murty	BMB	Indian Institute of Science Education and Research Thiruvananthapuram	3978	3.44810211	2.928531464	88
Gromiha, M. Michael	BI	Indian Institute of Technology Madras	61	4.00016172	0.328876429	257
Raghava, Gajendra P.S.	BI	Indraprastha Institute of Information Technology, Delhi	192	3.64954989	1.035152038	248
Chattopadhyay, Joydev	BI	Indian Statistical Institute, Kolkata	298	3.47659444	1.606642226	185
Sharma, Chandra P.	BME	Sree Chitra Tirunal Institute for Medical Sciences and Technology	303	3.64156032	0.602014663	341
Ramalingam, Murugan	BME	Vellore Institute of Technology, Vellore	719	3.30716177	1.428543045	133
Jayakrishnan, A.	BME	Indian Institute of Technology Madras	1027	3.16253523	2.040491943	103
Panduranga Rao, K.	BME	Chalapathi Institute of Pharmaceutical Sciences	1073	3.14420134	2.131886909	47
Balaram, P.	BP	National Centre for Biological Sciences	58	4.04478892	0.315200261	665
Chattopadhyay, Amitabha	BP	Centre for Cellular and Molecular Biology india	62	4.03121874	0.33693821	257
Khaneja, Navin	BP	Indian Institute of Technology, Bombay	341	3.39320377	1.853160154	116
Ahmad, Faizan	BP	Jamia Millia Islamia	347	3.3867188	1.885767078	244
Kumar, Sanjeev	DAS	Sri Guru Granth Sahib World University	69	3.81968457	0.143621339	582
Patra, Amlan Kumar	DAS	West Bengal University of Animal and Fishery Sciences	131	3.66377878	0.272672398	105
Kumar, Ashok	DAS	Indian Veterinary Research Institute	167	3.62449204	0.34760527	552
Sharma, Deepak Kr	DAS	Netaji Subhas Institute of Technology	307	3.45671933	0.639010886	442
Kamra, Devki Nandan	DAS	Indian Veterinary Research Institute	684	3.1980873	1.42372458	113
Guraya, Sardul S.	DAS	Punjab Agricultural University	753	3.16558177	1.567345919	247
Suresh, K. P.	DAS	ICAR - National Institute Of Veterinary Epidemiology And Disease Informatics, Bengaluru	1105	3.03910101	2.300022896	57
Nagendra, Harini	Eco	Azim Premji University	508	3.88708983	1.054685878	130
Singh, J. S.	Eco	Banaras Hindu University	555	3.86715346	1.152265083	192
Sukumar, R.	Eco	Indian Institute of Science, Bengaluru	1021	3.65410688	2.119752523	142
Majumder, Partha P.	GH	National Institute of Biomedical Genomics	416	3.61464572	1.274470758	225
Srivastava, P. K.	IM	Birla Institute of Technology, Mesra	189	4.36489058	0.1741791	373
Atassi, M. Zouhair	IM	Department of Biochemistry and Molecular Biology	2141	3.58730921	1.973108221	380
Singh, Mahavir	IM	Himachal Pradesh University	2150	3.58646204	1.981402464	421
Ghosh, Kanjaksha	IM	Institute of Immunohaematology Mumbai	2217	3.57453258	2.043148495	749
Kathiresan, Kandasamy	MBH	Centre of Advanced Study in Marine Biology, Parangipettai	391	3.71513395	1.036420506	178
Raghukumar, C.	MBH	National Institute of Oceanography India	837	3.48400816	2.218629062	73
Roy, Kunal	MBC	Jadavpur University	81	3.99493773	0.100468855	309
Kamal, Ahmed	MBC	Indian Institute of Chemical Technology	83	3.98183938	0.102949567	537
Mukherjee, Pulok K.	MBC	Jadavpur University	128	3.84045865	0.158765597	211
Patwardhan, Bhushan	MBC	Savitribai Phule Pune University	215	3.69685548	0.26667659	156
Ghosal, Shibnath	MBC	Natreon Inc.	237	3.66483362	0.293964427	200
Kumar, C. Ganesh	MBC	Indian Institute of Chemical Technology	358	3.54273491	0.44404753	215
Doble, Mukesh	MBC	Indian Institute of Technology Madras	511	3.44507749	0.633822034	266
Saxena, A. K.	MBC	Central Drug Research Institute India	531	3.42987689	0.658629158	277
Sriram, Dharmarajan	MBC	Birla Institute of Technology and Science, Pilani	533	3.42892094	0.661109871	391
Kala, Chandra Prakash	MBC	Indian Institute of Forest Management	569	3.40906392	0.705762695	63
Prince, P. Stanely Mainzen	MBC	Annamalai University	592	3.39282071	0.734290888	46
Khadikar, Padmakar V.	MBC	National Institute of Technical Teachers' Training and Research, Bhopal	699	3.33784797	0.867009005	259
Gupta, Satya Prakash	MBC	Meerut Institute of Engineering & Technology	750	3.31320191	0.930267173	177
Chattopadhyay, R. R.	MBC	Indian Statistical Institute, Kolkata	789	3.29455812	0.978641066	33
Singh, Surender	MBC	All India Institute of Medical Sciences, New Delhi	829	3.2788882	1.028255315	74
Yogeeswari, Perumal	MBC	Birla Institute of Technology and Science, Pilani	849	3.27161021	1.05306244	309
Tripathi, Y. B.	MBC	Banaras Hindu University, Institute of Medical Sciences	870	3.26222992	1.07910992	110
Tiwari, Ashok Kumar	MBC	Indian Institute of Chemical Technology	878	3.25742824	1.08903277	80
Dhuley, J. N.	MBC	Hindustan Antibiotics Ltd.	897	3.25138744	1.112599539	47

Bharate, Sandip B.	MBC	Indian Institute of Integrative Medicine, Srinagar	913	3.24436303	1.132445238	143
Govindachari, T. R.	MBC	Spic Science Foundation India	918	3.24288385	1.138647019	135
Singh, Bimal P.	MBC	Institute of Minerals and Materials Technology India	983	3.22245397	1.219270174	63
Rao, A. R.	MBC	Jawaharlal Nehru University	1046	3.19865044	1.297412617	106
Prakash, Om	MBC	Indian Institute of Technology Banaras Hindu University	1067	3.19172754	1.323460098	357
Chauhan, Prem M.S.	MBC	Central Drug Research Institute India	1096	3.18072532	1.359430428	116
Bhattacharya, Sanjib	MBC	West Bengal Medical Services Corporation Ltd.	1117	3.17487284	1.385477909	106
Jain, Rahul	MBC	National Institute of Pharmaceutical Education and Research, Mohali	1261	3.13563443	1.564089206	110
Jachak, Sanjay	MBC	National Institute of Pharmaceutical Education and Research, Mohali	1270	3.13310072	1.575252412	63
Grover, J.	MBC	Institute Rotary Cancer Hospital India	1273	3.13116275	1.578973481	54
Kumar, Vijay L.	MBC	All India Institute of Medical Sciences, New Delhi	1277	3.13028112	1.583934906	100
Banerjee, Sanjay K.	MBC	Translational Health Science and Technology Institute	1278	3.12982786	1.585175262	81
Johri, R. K.	MBC	Indian Institute of Integrative Medicine, Srinagar	1398	3.09805907	1.73401801	59
Mandal, S.	MBC	Jadavpur University	1439	3.08488672	1.784872615	190
Rao, J. V.	MBC	Indian Institute of Chemical Technology	1475	3.07616469	1.82952544	59
Chanda, Sumitra V.	MBC	Saurashtra University	1476	3.07593944	1.830765796	140
Singh, Chandan	MBC	Central Drug Research Institute India	1493	3.07377927	1.851851852	58
Viswanadhan, Vellarkad N.	MBC	Jubilant Biosys Ltd.	1556	3.05982923	1.929994294	70
Gacche, Rajesh N.	MBC	Savitribai Phule Pune University	1658	3.03724649	2.05651063	70
Chakrabarti, Arunaloke	MB	Postgraduate Institute of Medical Education & Research, Chandigarh	1037	3.78929946	0.77175539	333
Sharma, S. K.	MB	All India Institute of Medical Sciences, New Delhi	1053	3.78625005	0.783662898	341
Nautiyal, Chandra Shekhar	MB	National Botanical Research Institute India	1326	3.71063225	0.986834761	114
Singh, Sarman	MB	All India Institute of Medical Sciences, New Delhi	1552	3.66344046	1.155028318	267
Shivaji, Sisinthy	MB	L.V. Prasad Eye Institute India	1555	3.66250637	1.157260975	319
Gugnani, Harish C.	MB	University of Delhi	1649	3.64227396	1.227217587	199
Bhattacharya, Sujit K.	MB	Glocal Hospital	1807	3.6107196	1.344804233	350
Nair, G. B.	MB	Rajiv Gandhi Centre for Biotechnology	1909	3.58905844	1.420714599	434
Narayanan, P. R.	MB	Tuberculosis Research Centre India	1926	3.58602202	1.433366327	191
Kang, Gagandeep	MB	Christian Medical College, Vellore	2200	3.53509183	1.637282409	380
Katoch, V.	MB	Rajasthan University of Health Sciences	2473	3.48852441	1.840454271	295
Uplekar, M.	MB	Organisation Mondiale de la Santé	2767	3.44289377	2.059254739	80
Roberts, Terry A.	MB	National Institute of Nutrition India	2809	3.43675457	2.090511948	122
Govindarajan, Marimuthu	MYP	Annamalai University	83	3.76465689	0.396635764	151
Suryanarayanan, T. S.	MYP	Vivekananda Institute of Tropical Mycology	315	3.39203994	1.505304406	87
Sridhar, Kandikere Ramaiah Sankaranarayanan, Ren-gaswamy	MYP	Mangalore University	341	3.36081477	1.629551754	202
Kumar, Rakesh	ONC	RTI International	511	4.17895667	0.221520908	312
Kuttan, Girija	ONC	Rajiv Gandhi Centre for Biotechnology	696	4.09365593	0.30171928	351
Sharma, Atul	ONC	Amala Cancer Hospital and Research Centre	2142	3.74523341	0.928567094	217
Shukla, Y.	ONC	Rajiv Gandhi Institute of Petroleum Technology	2440	3.68982214	1.057751498	191
Nagini, S.	ONC	Indian Institute of Toxicology Research	2761	3.6455453	1.19690651	193
Baliga, Manjeshwar Shrinath	ONC	Annamalai University	2764	3.64536985	1.198207025	197
Somasundaram, Kumaravel	ONC	Mangalore Institute of Oncology	3188	3.58595809	1.382013022	168
Kuttan, Ramadasan	ONC	Indian Institute of Science, Bengaluru	3290	3.57074242	1.426230503	110
Pandey, Manoj	ONC	Amala Cancer Hospital and Research Centre	3424	3.55234805	1.484320135	205
Tuteja, Narendra	ONC	Banaras Hindu University	4360	3.44066581	1.890080545	163
Varshney, Rajeev K.	PBB	International Centre for Genetic Engineering and Biotechnology	79	4.20356395	0.069321961	390
Yadav, Sudesh Kumar	PBB	International Crops Research Institute for the Semi-Arid Tropics	123	4.11067492	0.107931661	474
Subbarao, E. C.	PBB	Center of Innovative and Applied Bioprocessing	447	3.82704337	0.39223945	172
Jain, Mukesh	PBB	Tata Research Development and Design Centre	524	3.78791376	0.459806425	116
Gupta, P. K.	PBB	Jawaharlal Nehru University	591	3.75134376	0.518598468	94
Upadhyaya, Hari D.	PBB	Ch. Charan Singh University	629	3.73308898	0.551943209	137
Vadez, Vincent	PBB	International Crops Research Institute for the Semi-Arid Tropics	652	3.71945882	0.572125552	300
Gadgil, Sulochana	PBB	International Crops Research Institute for the Semi-Arid Tropics	680	3.70863294	0.596695361	213
Khan, Nafees A.	PBB	Indian Institute of Science, Bengaluru	696	3.70129133	0.610735252	73
	PBB	Aligarh Muslim University	746	3.67866337	0.65460991	139

The Biotech Research Society of India proudly shares a great news on the listing of BRSI members among top 2% Scientists in the World as per Stanford University research

THE BIOTECH
RESEARCH
SOCIETY, INDIA



Prof. Ashok Pandey
IITR (Biotechnology)



Dr. S. Venkata Mohan
IICT (Biotechnology)



Prof. Munishwar N. Gupta
IITD (Biotechnology)



Prof. Anushree Malik
IITD (Biotechnology)



Prof. Nirupama Mallick
IITKGP (Biotechnology)



Prof. Uttam C. Banerjee
NIPER (Biotechnology)



Prof. Ramesh C. Kuhad
University of Delhi (Biotechnology)



Prof. R. S. Singh
Punjabi University (Biotechnology)



Dr. Hemant Purohit
NEERI (Biotechnology)



Prof. Indu S. Thakur
JNU (Biotechnology)



Prof. Tulasi Satyanarayana
NSIT (Biotechnology)



Dr. K. M. Paknikar
ARI (Biotechnology)



Prof. Dalijit S. Arora
GNDU (Biotechnology)



Prof. Datta Madamwar
Sardar Patel University (Biotechnology)



Prof. Rajendra K. Saxena
University of Delhi (Biotechnology)



Prof. Parmjit S. Panesar
SLIET (Biotechnology)



Dr. Rajeev K. Sukumaran
NIIST (Biotechnology)



Dr. Reeta R. Singhania
IOCL (Biotechnology)



Prof. M. M. Ghangrekar
IITKGP (Biotechnology)



Prof. Yogesh C. Sharma
IITBHU (Chemical Engg.)



Prof. V. S. Moholkar
IITG (Chemical Engg.)



Prof. K. K. Pant
IITD (Chemical Engg.)



Prof. Ponnusamy S. Kumar
SSNCE (Chemical Engg.)



Prof. Papita Das
JU (Chemical Engg.)



Prof. Debabrata Das
IITKGP (Energy)



Dr. Thallada Bhaskar
IIP (Energy)



Prof. V. K. Garg
CUP (Environmental Science)



Prof. Ram Chandra
BBAU (Environmental Science)



Prof. Madhoolika Agrawal
BHU (Environmental Science)



Dr. Sunil Kumar
NEERI (Environmental Science)



Prof. Rekha S. Singhal
ICT (Food Science)



Prof. C. S. Nautiyal
NBRI (Microbiology)



Prof. B. M. Bhanage
ICT (Organic Chemistry)



Prof. R. S. Dubey
BHU (Plant Biology & Botany)



More than 20
BRSI scientists
memebbers got
the place in
top 2%

Editorial in News

Sairam, Raj Kumar	PBB	ICAR - Indian Agricultural Research Institute, New Delhi	845	3.64220547	0.741481735	70
Rout, Gyana R.	PBB	Orissa University of Agriculture & Technology	857	3.63716736	0.752011653	157
Tuteja, Renu	PBB	International Centre for Genetic Engineering and Biotechnology, New Delhi	924	3.6154769	0.810803696	158
Ignacimuthu, Savarimuthu	PBB	St. Xavier's College, Palayamkottai	933	3.61316994	0.818701135	418
Valdiya, K. S.	PBB	Jawaharlal Nehru Centre for Advanced Scientific Research	1051	3.57478401	0.92224533	74
Prathap, Gangan	PBB	A P J Abdul Kalam Technological University	1070	3.56844706	0.9389177	292
Datta, Swapan K.	PBB	University of Calcutta	1073	3.56800013	0.941550179	148
Dubey, Rama Shanker	PBB	Banaras Hindu University	1080	3.5657299	0.947692632	108
Mahato, S. B.	PBB	Indian Institute of Chemical Biology	1088	3.56252348	0.954712577	129
Gadgil, Madhav	PBB	Goa University	1192	3.53246671	1.045971868	78
Panda, S. K.	PBB	Assam University	1212	3.52627585	1.063521731	75
Tyagi, Akhilesh K.	PBB	University of Delhi	1311	3.49566924	1.150393556	205
Kumar, Sushil	PBB	Anand Agricultural University	1319	3.49379746	1.157413501	406
Kumar, Amar	PBB	University of Delhi	1334	3.4917221	1.170575899	68
Nayyar, Harsh	PBB	Panjab University	1381	3.48112705	1.211818078	98
Lakhota, Subhash C.	PBB	Banaras Hindu University	1677	3.41175577	1.471556059	176
Sharma, Sanjeev	PBB	ICAR - Central Potato Research Institute, Shimla	1730	3.40064805	1.518063197	862
Pandian, T. J.	PBB	Annamalai University	1805	3.38344727	1.583875185	133
Grover, Anil	PBB	University of Delhi	1872	3.37036702	1.642667228	98
Varma, Ajit	PBB	Amity University, Noida	1916	3.35791453	1.681276928	266
Jha, Bhavanath	PBB	Central Salt and Marine Chemicals Research Institute India	1978	3.34654683	1.735681505	244
Siddiqui, Zaki A.	PBB	Aligarh Muslim University	2018	3.33770131	1.770781232	81
Eapen, Susan	PBB	Bhabha Atomic Research Centre	2028	3.33494395	1.779556164	93
Sharma, Tilak R.	PBB	ICAR - Indian Institute of Agricultural Biotechnology, Ranchi	2092	3.32545513	1.835715727	148
Singh, Harminder Pal	PBB	Panjab University	2146	3.31416335	1.883100359	122
Raghavendra, Agepati S.	PBB	University of Hyderabad	2186	3.30734304	1.918200086	142
Sinha, Rajeshwar P.	PBB	Banaras Hindu University	2215	3.30155504	1.943647388	149
Akhtar, Mohd Sayeed	PBB	Gandhi Faiz-e-Aam College	2221	3.30051322	1.948912347	82
Singh, Kuldeep	PBB	Government Medical College Srinagar	2316	3.27954837	2.032274199	121
Martin, Kottackal Poulouse	PBB	University of Calicut	2609	3.23132436	2.2893797	44
Flora, Swaran Jeet Singh	Tox	National Institute of Pharmaceutical Education and Research, Raebareli	44	4.16778159	0.097509086	252
Devasagayam, T. P.A.	Tox	Bhabha Atomic Research Centre	228	3.7714592	0.505274355	137
Jagetia, Ganesh Chandra	Tox	Mizoram University	231	3.7694913	0.511922702	138
Bhattacharya, S. K.	Tox	Banaras Hindu University, Institute of Medical Sciences	239	3.76397228	0.529651627	274
Banerjee, Basu Dev	Tox	University College of Medical Sciences	428	3.56295195	0.948497474	204
Augusti, K. T.	Tox	Kannur University	434	3.56018442	0.961794167	102
Sharma, O. P.	Tox	Indian Veterinary Research Institute	438	3.55756466	0.97065863	131
Kakkar, Poonam	Tox	Indian Institute of Toxicology Research	555	3.47771409	1.229944154	89
Giri, Ashok K.	Tox	Indian Institute of Chemical Biology	560	3.47443933	1.241024732	140
Uma Devi, P.	Tox	Pathirissery Mana	604	3.44503395	1.338533818	101
Menon, Venugopal P.	Tox	Annamalai University	611	3.44233773	1.354046627	200
Anuradha, C. V.	Tox	Annamalai University	662	3.41023393	1.467068522	124
Guha Mazumder, Debendra Nath	Tox	D.N.G.M Research Foundation	748	3.36931245	1.657654463	55
Dev, Sukh	Tox	Malti-Chem Research Centre	754	3.36613306	1.670951157	198
Raisuddin, S.	Tox	Jamia Hamdard	837	3.32342166	1.854888751	159
Chinoy, N. J.	Tox	KSKV Kachchh University	842	3.32153568	1.865969329	153
Chatterjee, Indu B.	Tox	University of Calcutta	852	3.3168223	1.888130485	74
Abraham, Suresh K.	Tox	Jawaharlal Nehru University	893	3.29661198	1.978991224	68
Barik, Sailen	Vir	Bose Institute	232	3.92692991	0.397151465	148
Jameel, Shahid	Vir	Wellcome Trust/DBT India Alliance	940	3.50243379	1.609148179	126
Kumarasamy, Nagalingeswaran	Vir	Chennai Antiviral Research and Treatment Clinical Research Site	963	3.49342733	1.648520953	337
Arankalle, Vidya A.	Vir	Bharati Vidyapeeth (Deemed to be University)	1101	3.44342616	1.884757601	174
Kunte, Krushnamegh	Zoo	National Centre for Biological Sciences	280	3.03582881	2.113207547	49

Subscription

ISSN: 2454-6968

RNI No. UPENG/2013/54102

Biotech Express

The Monthly magazine of Biotechnology



TERM USER PROFILE	Print		Digital		Country
	INSTITUTIONAL	INDIVIDUAL	INSTITUTIONAL	INDIVIDUAL	
Annual	₹ 10,000	₹ 5,000	₹ 5000	₹ 1200	India (in Rs.)
	1000	500	300	100	Other (in USD)

Note: Print subscription includes digital subscription as gratis (no extra cost) for the subscribed period.

Terms and Conditions:

1. Please fill the form in CAPITAL letters.
2. Print Subscription is valid in India only.
3. Print Subscription cost includes first class courier charges.
4. Print subscription includes digital subscription as gratis (no extra cost) for the subscribed period.
4. The mode of payment should be cheque/DD/NEFT favouring "Biotech Express". Please write your name and contact details on the back side of cheque/DD.
5. Your subscription will commence from the next available Issue OR within four weeks.
6. For Multiple Subscriptions/error use separate forms (Photocopies allowed).
7. Biotech Express will not entertain cancellation of subscription after commencement of the same. No request for refund will be entertained.
8. In case of changing address, kindly send us in writing one month in advance.
9. Non delivery should be reported within 20 days of publishing of monthly issue to consider repost by us. After which no request will be entertained under any circumstances.
10. Annual Subscription can be avail throughout the year.
11. Previous Volumes are available on request.

My Details !

Name of Individual/Institution

Address (correspondence) with Pin

Phone/Mobile No.

Subscription plan

To make Online Payment through NEFT/
Cheque, please follow these details:

Account Name: BIOTECH EXPRESS

Account No: 65183799804

Bank Name: SBI, Dilshad Garden,

Bank Address: 7, Local Shopping Centre,
B-block, Dilshad Garden, Delhi, India. Pin –
110095.

Branch code : 009370

IFSC: SBIN0009370, MICR code: 110002183