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INDIA'S 100 BEST UNIVERSITIES 2014

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RESEARCHERS

Features

Research Funding: Learnings from the global best

Incubation: A new frontier for Indian Universities

Sports: Why very few universities excel?

Interviews with 75+ VCs, Directors and much more



OUTSTANDING INSTITUTIONS: ENGINEERING • MEDICINE • SPORTS • LANGUAGES
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CREATING KNOWLEDGE, MAKING A DIFFERENCE

In a first ever initiative, Careers360 uses objective and verifiable data points to know who are India's most prolific paper publishers. We look at 100+ authors...

MEDICINE

Author	Institute	Articles	h-index
Goel, Apul	King George's MU, Dept. of Urology, Lucknow	150	12
Khandelwal, Niranjan K.	PGIMER, Dept. of Radiodiagnosis & Imaging, Chandigarh	111	18
Verma, Rajesh Kumar	King George's MU, Dept. of Neurology, Lucknow	98	10
Sundar, Shyam	BHU Institute of Medical Sciences, Varanasi	92	50
Bhansali, Anil Kumar	PGIMER, Dept. of Endocrinology, Chandigarh	83	23
Mahapatra, Ashok Kumar	Institute of Medical Sciences, Bhubaneswar	82	24
Grover, Sandeep K.	PGIMER, Dept. of Psychiatry, Chandigarh	81	14
Sharma, Punit K.	AIIMS, Dept. of Nuclear Medicine, New Delhi	80	8

ENGINEERING

Author	Institute	Articles	h-index
Singh, Bhim N.	IT Delhi, Dept. of Electrical Engineering, New Delhi	91	22
Kaler, Rajinder Singh	Thapar University, Dept. of ECE, Patiala	70	13
Rahaman, Hafizur	BESU School of VLSI Tech, Kolkata	68	7
Balasubramanian, Visvalingam	Annamalai University, Dept. of Manufacturing Engineering, Annamalai Nagar	64	22
Sarkar, Chandan Kumar	Jadavpur University, Kolkata	60	13
Raj, B. A J	PS Govindaswamy Naidu PSG Institutions Coimbatore, Tamil Nadu	59	33
Gupta, Mridula K.	University of Delhi, Semiconductor Devices Research Laboratory, New Delhi	57	12

PHYSICS AND ASTRONOMY

Author	Institute	Articles	h-index
Beri, Suman B.	Panjab University, Chandigarh	304	
Bhatnagar, V.	Panjab University, Chandigarh	301	



INDIA'S STRENGTH as a share of global research is diverse, with predominance of Chemistry



SCHOOL EVENTS stimulate the students' innovative, creative and intuitive skills early in their career, and help put them to practise and develop interest in the subject domain

CHEMISTRY

Author	Institute	Articles	h-index
Narayana, B.	Mangalore University, Dept. of Studies in Chemistry, Mangalagangothri	206	19
Yathirajan, Hemmige S.	University of Mysore, Dept. of Studies in Chemistry, Mysore	188	17
Gowda, Basavalinganadoddy Thimme	Mangalore University, Dept. of Chemistry, Mangalagangothri	159	25
Yadav, Jhillu Singh	ICT Division of Natural Products Chemistry, Hyderabad	134	53
Raj, B. A J	PS Govindaswamy Naidu PSG Institutions Coimbatore, Tamil Nadu	59	33
Gupta, Mridula K.	University of Delhi, Semiconductor Devices Research Laboratory, New Delhi	57	12

COMPUTER SCIENCE

Author	Institute	Articles	h-index
Das, Swagatam K.	ISI Kolkata, ECS Unit, Kolkata	119	29
Nandi, Sukumar	IIT Guwahati, Dept. of CSE, Guwahati	79	10
Konar, Amit	Jadavpur University, Dept. of ETE, Kolkata	76	16
Saurabh, Saket	IMSc India, Chennai	68	15

MATERIALS SCIENCE

Author	Institute	Articles	h-index
Yathirajan, Hemmige S.	University of Mysore, Dept. of Studies in Chemistry, Mysore	175	17
Narayana, B.	Mangalore University, Dept. of Studies in Chemistry, Mangalagangothri	173	19
Gowda, Basavalinganadoddy Thimme	Mangalore University, Dept. of Chemistry, Mangalagangothri	159	25
Sarojini, Balladka Kurihanna	PA College of Engineering, Dept. of Chemistry, Mangalore	96	18
Isloor, Arun M.	NT Karnataka, Dept. of Chemistry, Surathkal	88	11



OUTSTANDING UNIVERSITIES

INDIA'S BEST RESEARCHERS



INDIA'S RESEARCH portfolio is grounded in traditional disciplines such as those related to agriculture. However, its emerging strength in pharmaceuticals has brought diversity in its research base



BIOCHEMISTRY, GENETICS AND MOLECULAR BIOLOGY

Author	Institute	Articles	h-index
Kumar, Anil Sampath	PDCPM IIT Design & Manufacturing, Jabalpur	64	56
Pundir, Chandra Shekhar	MDU Dept. of Biochemistry, Rohtak	60	16
Yadav, Jhillu Singh	IICT Division of Natural Products Chemistry, Hyderabad	57	53
Dhoble, Sanjay J.	RTM Nagpur University, Dept. of Physics, Nagpur	56	16
Mittal, Balraj R.	SGPGIMS Lucknow, Dept. of Genetics	55	24

PHARMACOLOGY, TOXICOLOGY AND PHARMACEUTICS

Author	Institute	Articles	h-index
Mukkanti, Khagga	JNTU Centre for Chemical Sciences and Tech, Hyderabad	53	16
Ahmad, Farhan Jalees	Jamia Hamdard University, Dept. of Pharmaceutics, New Delhi	53	20
Kamal, Ahmed	ICT Medicinal Chemistry and Pharmacology Division, Hyderabad	53	35
Sriram, Dharmarajan	BITS Pilani, Dept. of Pharmacy, Hyderabad	51	34
Yogeeswari, Perumal	BITS Pilani, Dept. of Pharmacy, Hyderabad	49	30

AGRICULTURAL AND BIOLOGICAL SCIENCES

Author	Institute	Articles	h-index
Tuteja, Narendra	ICGEB, New Delhi, Plant Molecular Biology Group	75	29
Varshney, Rajeev Kumar	ICRISAT, Centre of Excellence in Genomics, Patancheru	61	36
Upadhyaya, Hari Deo	ICRISAT, Patancheru	56	20
Kumar, Sanjeev Girdara G	Central Avian Research Institute India, Bareilly	45	21
Ignacimuthu, Savarimuthu J.	Loyola College India, Division of Ethnopharmacology, Chennai	43	26

CHEMICAL ENGINEERING

Author	Institute	Articles	h-index
Yadav, Jhilly Singh	ICT Division of Natural Products Chemistry, Hyderabad	49	53
Mandal, Asit Baran	CLRI, Chemical Sciences Division, Chennai	49	15
Nair, Shantikumar V.	Amrita University, Amrita Centre for N&M Medicine, Coimbatore	43	27
Gogate, Parag R.	UIC, Dept. of Chemical Engineering, Mumbai	43	34
Madras, Giridhar	ISc, Centre for Nano Science and Engineering, Bangalore	42	40

MATHEMATICS

Author	Institute	Articles	h-index
Das, Swagatam K.	ISI Kolkata, ECS Unit, Kolkata	84	29
Saurabh, Saket	IMSc, Chennai	67	15
Balasubramaniam, P.	GPU, Dept. of Mathematics, Dindigul	58	22
Mursaleen, Mohammad	AMU, Dept. of Mathematics, Aligarh	58	18
Deb, Kalyanmoy	IIT Kanpur, Dept. of ME	52	35

ENVIRONMENTAL SCIENCE

Author	Institute	Articles	h-index
Ashfaq, Ahmad	AMU, Aligarh	33	1
Ojha, C. S. P.	IIT Roorkee, Dept. of Civil Engineering	31	12
Venkata Mohan, S.	ICT, Bioengineering and Environmental Centre, Hyderabad	29	34
Kumar, Shekhar	IGCAR, Reprocessing Group, Kalpakam	29	6
Govindwar, S. P.	Shivaji University, Dept. of Biochemistry, Kolhapur	28	25

IMMUNOLOGY AND MICROBIOLOGY

Author	Institute	Articles	h-index
Sundar, Shyam	BHU Institute of Medical Sciences, Varanasi	42	50
Rahuman, Abdul Abdul	C. Abdul Hakeem CoET, PG and Research Dept. of Zoology, Vellore	34	22
Sasikala, Ch H.	JNTU, Bacterial Discovery Laboratory, Hyderabad	33	11
Lal, Rup K.	University of Delhi, Dept. of Zoology, New Delhi	33	22
Ramana, Ch Venkata	University of Hyderabad, Dept. of Plant Sciences, Hyderabad	33	11
Das., Pradeep Kumar	RMPIMS, Division of Molecular Biology, Patna	27	25
Verma, Ramesh P.	Pt Bhagwat Dayal Sharma PGIMS, Rohtak	24	3



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INDIA'S BEST RESEARCHERS

EARTH AND PLANETARY SCIENCES

Author	Institute	Articles	h-index
Singh, Trilok Nath	IIT Delhi, Dept. of Physics, New Delhi	38	14
Mohanty, Uma Charan	IIT Bhubaneswar, Bhubaneswar	37	13
Sharma, Mukat Lal	IIT Roorkee, Dept. of Earthquake Engineering, Roorkee	30	9
Chandrasekar, Nainarpandian	MSU, Centre for GeoTech, Tinnevely	29	4
Choudhury, Deepankar	AcSIR, New Delhi	28	16

VETERINARY

Author	Institute	Articles	h-index
Bansal, Neelam	GADVASU, Ludhiana	37	4
Deka, Bharat C.	AAU, Dept. of Animal Reproduction, Gynaecology & Obstetrics, Jorhat	29	3
Kumanan, Kathaperumal	TNVASU, Dept. of Animal BioTech, Chennai	23	7
Mohanty, Tushar Kumar	NDRI, Livestock Production and Management Section, Karnal	23	5
Mohindroo, Jitender	GADVASU, Dept. of Veterinary Surgery & Radiology, Ludhiana	22	4

DECISION SCIENCES

Author	Institute	Articles	h-index
Jain, Madhu P.	IIT Roorkee, Dept. of Mathematics, Roorkee	21	8
Singh, Shivraj R.	Ch. Charan Singh University, Dept. of Mathematics, Meerut	20	5
Kundu, Debasis	IIT Kanpur, Dept. of Mathematics and Statistics, Kanpur	20	24
Tiwari, Manoj Kumar Kumar	IIT Kharagpur, Dept. of Industrial Engineering & Management, Kharagpur	20	28
Vinodh, Sekar	NIT Trichirappalli, Dept. of Production Engineering, Trichirappalli	18	11

DECISION SCIENCES is an upcoming interdisciplinary field that draws on economics, forecasting, statistical decision theory, and cognitive psychology





MULTIDISCIPLINARY

Author	Institute	Articles	h-index
Rayappan, John Bosco Balaguru	SASTRA, CeNTAB, Thanjavur	20	12
Udayakumar, R.	Bharath University, School of Computing, Chennai	14	2
Khanra, V.	Bharath University, Information Tech, Chennai	12	2
Jeyaprakash, B. G.	SASTRA University, School of EEE, Thanjavur	12	6
Vasudevan, Padma	IIT Delhi, New Delhi	12	14

SOCIAL SCIENCES

Author	Institute	Articles	h-index
Kanchan, Tanuj	KMC, Dept. of Forensic Medicine, Mangalore	24	13
Rajan, Balaji Sundar	IISc, Dept. of ECE, Bangalore	16	14
Prasanna, S. R Mahadeva	IIT Guwahati, Dept. of EEE	16	7
Rao, Krothapallisreenivasa	IIT Kharagpur, School of IT, Kharagpur	15	8
Ramash, Maneesha Vinodini	Amrita University, Amrita Center for WNA, Coimbatore	13	4

ARTS AND HUMANITIES

Author	Institute	Articles	h-index
Andrade, Chittaranjan	NIMHANS, Dept. of Psychopharmacology, Bangalore	21	15
Singh, Anurudh K.	MDU, Dept. of Genetics, Rohtak	11	3
Rao, Krothapallisreenivasa	IIT Kharagpur, School of Information Tech, Kharagpur	11	8
Prasanna, S. R Mahadeva	IIT Guwahati, Dept. of EEE, Guwahati	10	7

ENERGY

Author	Institute	Articles	h-index
Singh, Bhim N.	IIT Delhi, Dept. of Electrical Engineering, New Delhi	62	22
Raj, B. A J	PS Govindaswamy Naidu PSG Institutions Coimbatore, Tamil Nadu	37	33
Kothari, D. P.	MVSR Engineering College, Hyderabad	34	17
Panigrahi, Bijaya Ketan	IIT Delhi, Dept. of Electrical Engineering, New Delhi	30	22

ECONOMICS, ECONOMETRICS AND FINANCE

Author	Institute	Articles	h-index
Tiwari, Aviral Kumar	ICFAI University Tripura, Faculty of Management, Agartala	26	5
Chakravarty, Satya Ranjan	ISI Kolkata, Kolkata	11	9
Siddique, Rafat	Thapar University, Dept. of Civil Engineering, Patiala	10	15



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INDIA'S BEST RESEARCHERS

DENTISTRY

Author	Institute	Articles	h-index
Pradeep, Avani Raju	GDCRI, Dept. of Periodontics, Bangalore	36	15
Sarode, Sachin Chakradhar	Dr DY Patil Vidyapeeth, DOMP, Pune	22	4
Sarode, Gargi Sachin	Dr DY Patil Vidyapeeth, DOMP, Pune	20	4
Prithviraj, Dodamane Revanappa	GDCRI, Dept. of Prosthodontics, Bangalore	19	33
Patil, Pravinkumar Gajanan	GDCH, Dept. of Prosthodontics, Nagpur	18	2

NEUROSCIENCE

Author	Institute	Articles	h-index
Mahapatra, Ashok Kumar	Institute of Medical Sciences, Bhubaneswar	30	24
Mahadevan, Anita	NIMHANS, Dept. of Neuropathology, Bangalore	28	18
Sinha, Sanjib	NIMHANS, Dept. of Neurology, Bangalore	26	18
Tripathi, Manjari N.	PMC, Dept. of Neuro-Medicine, Karamsad	24	13
Salunke, Pravin Shashikant	PGIMER, Dept. of Neurosurgery, Chandigarh	21	6

BUSINESS, MANAGEMENT AND ACCOUNTING

Author	Institute	Articles	h-index
Mahapatra, Siba Sankar	NIT Rourkela, Dept. of ME	28	12
Khare, Arpita	IIM Rohtak	25	4
Devadasan, Samuel Rajkumar	PSG College of Tech, Production Engineering Dept., Coimbatore	24	
Vinodh, Sekar	NIT Tiruchirappalli, Dept. of Production Engineering	24	12
Kadole, Pradyumkumar Vasant	DKTE Society's Textile and Engg Institute, Dept. of Textiles, Ichalkaranji	20	1

PUBLICATIONS IN business and management disciplines draw a lot from the behavioural aspects of people and their relationship with entities of interest



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HEALTH PROFESSIONS

Author	Institute	Articles	h-index
Kumar, Senthil Paramasivam	KMC, Dept. of Physiotherapy, Mangalore	12	6
Mayya, Yelia S M	IT Bombay, Dept. of Chemical Engineering, Mumbai	11	11
Khandelwal, Niranjana K.	PGIMER, Dept of Radiodiagnosis & Imaging, Chandigarh	10	18

NURSING

Author	Institute	Articles	h-index
Kurpad, Anura Vishwanath	St John's Medical College, Dept. of Physiology, Bangalore	23	24
Thomas, Tinku J.	St John's Research Institute, Bangalore	16	12

PSYCHOLOGY

Author	Institute	Articles	h-index
Grover, Sandeep K.	PGIMER, Dept. of Psychiatry, Chandigarh	20	14
Gangadhar, Bangalore Nanjudappa	NIMHANS, Dept. of Psychiatry, Bangalore	19	21
Viswanath, Biju	NIMHANS, Dept. of Psychiatry, Bangalore	16	4
Venkatashubramanian, Ganesan	NIMHANS, Dept. of Psychiatry, Bangalore	15	14
Balhara, Yatan Pal Singh	AIIMS, Dept. of Psychiatry, New Delhi	13	5



INDIA'S TOP RESEARCHERS: HOW DID WE SEARCH?

The search was conducted by keying 'India' as an affiliation country on Elsevier Science's bibliographic indexing database - Scopus where we got about 1,097,392 records. We chose Scopus since it covers 46 million abstracts from over 19,500 peer-reviewed titles. From the total, we filtered the search for three years (2011-2013) and got 297,433 records, which were then sorted according to subject areas. Scopus broadly groups the whole universe of knowledge into four subject categories: Physical, Health, Social, and Life Sciences and then has 30 subcategories. Top 10 authors from each of the 30 domains were selected based on their publication count and h-index. It means that if an author has an h-index of 12, then out of the total number of documents produced by him/her, 12 of the documents have been cited 12 times. It is used to measure the productivity and impact of the published work. Owing to similar names, the top authors are identified on the basis of a unique identification number (ID) given by Scopus. Foreign authors and those having an affiliation with an institution other than Indian universities were excluded. ■

FOCUS IS on Tropical Medicine as also in Integrative & Complementary Medicine

Research carried out by Dr. Swapna Kumar Patra