



माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर (म.प्र.), भारत
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (M.P.), INDIA
Deemed University
(Declared under Distinct Category by Ministry of Education, Government of India)
NAAC ACCREDITED WITH A++ GRADE

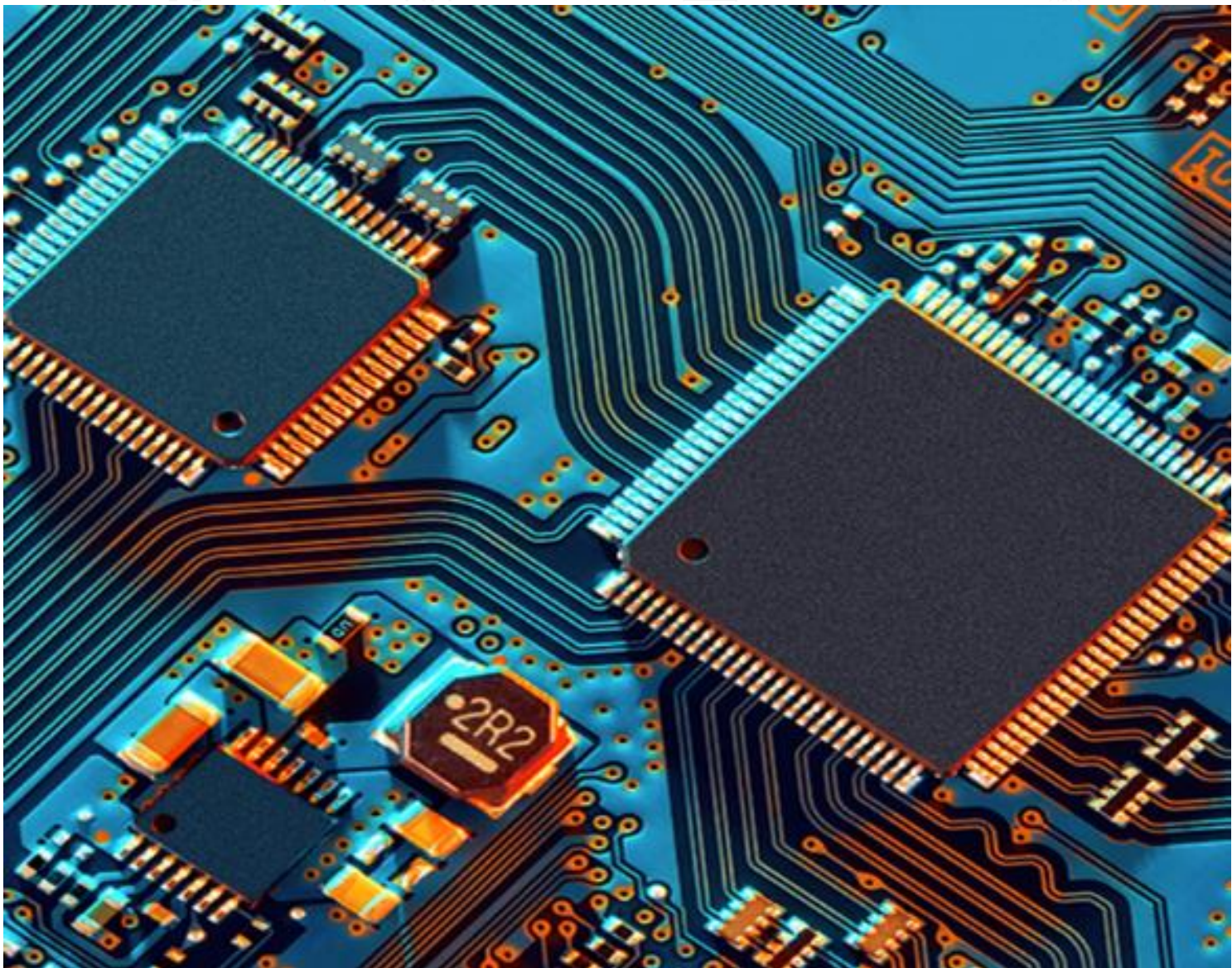


ISSUE 3 | JULY - SEPTEMBER 2025

NEWSLETTER

DEPARTMENT OF ELECTRONICS ENGINEERING

Madhav Institute of Technology & Science, Gwalior (M.P.), INDIA
Deemed University





Department Vision

To Prepare Globally Competent Electronics Engineers for Industrial Challenges and Societal needs.

Department Mission

- To provide quality education through need based curriculum and effective teaching learning process.
- To imbibe professional ethics, leadership and entrepreneur skills with a passion for lifelong learning.
- Strengthening of employability skills through multidisciplinary projects and internships.
- To inculcate the spirit of innovation and research to serve the needs of the society and industry.

Programme Educational Objectives

PEO-1

Graduates of the program will be successful global collaborators with thriving technical and professional careers in the field of Electronics Engineering.

PEO-2

Graduates will have the ability to adapt latest technologies to contribute for sustainable development of society with effective research and entrepreneurship attitude.

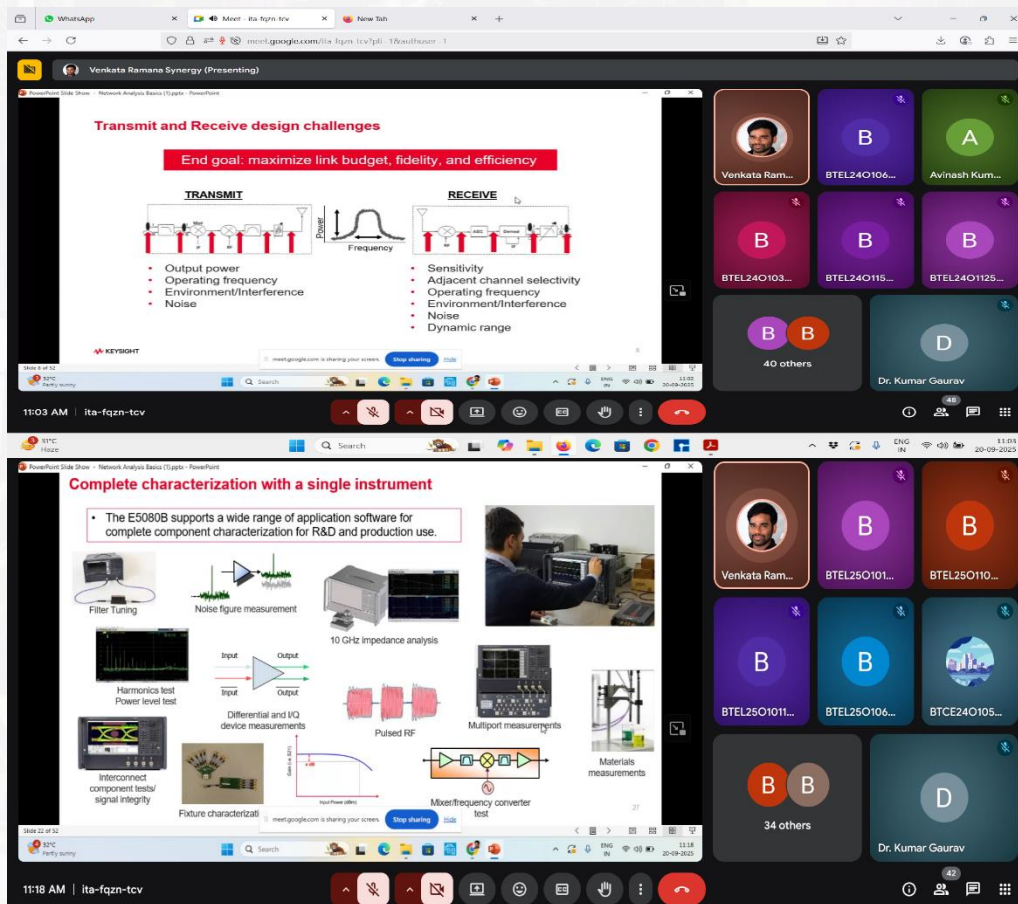
PEO-3

Graduates will have the teamwork, professional excellence, communication, and interpersonal skills to enable them to work effectively with interdisciplinary teams in Industry, Government, and Academia.

ACTIVITIES CONDUCTED



**Industrial Visit to Smart Control India Ltd. in
Malanpur, Gwalior, held on Aug 30, 2025.**



One Day Online Workshop
on “Next Generation
Communication System-
Challenges and
Opportunities” on 20
September 2025 in
association with Synergy
Measurement
Technologies Pvt. Ltd,
Hyderabad

ACTIVITIES CONDUCTED

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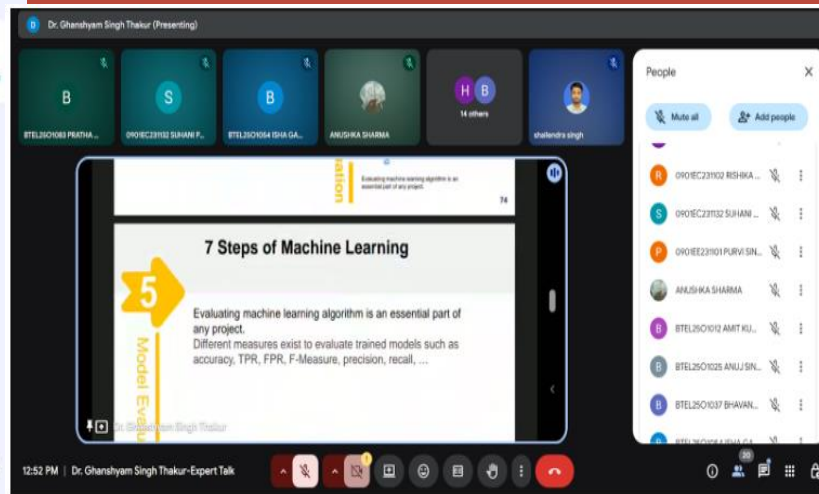
EXPERT LECTURE ON FUNDAMENTALS OF MACHINE LEARNING ALGORITHMS AND APPLICATION

LEARNING FROM DATA, LIKE HUMANS

DATE SEP 27, 2025 **TIME** AT 12.00 PM

SPEAKER
Dr. Ghanshyam Singh Thakur
Designation: Associate Professor MANIT, Bhopal
Organized By: Electronics Department
MITS-DU, Gwalior
Estd. 1957

MEET LINK: <https://meet.google.com/rti-idsx-bpg>



On 27th September 2025, the Department of Electronics, MITS-DU, Gwalior, organized an online lecture on 'Fundamentals of Machine Learning Algorithms and Applications' by Dr. Ghanshyam Singh Thakur, Associate Professor, MANIT Bhopal. The session covered ML fundamentals, real-world applications, and motivated students toward research and advanced studies in AI and ML.



Visit to 5G Laboratory installed by DoT, Govt. of India at ABV-IIITM Gwalior. Date of Visit: 18th September, 2025.



ACTIVITIES CONDUCTED



Induction Program of I Semester

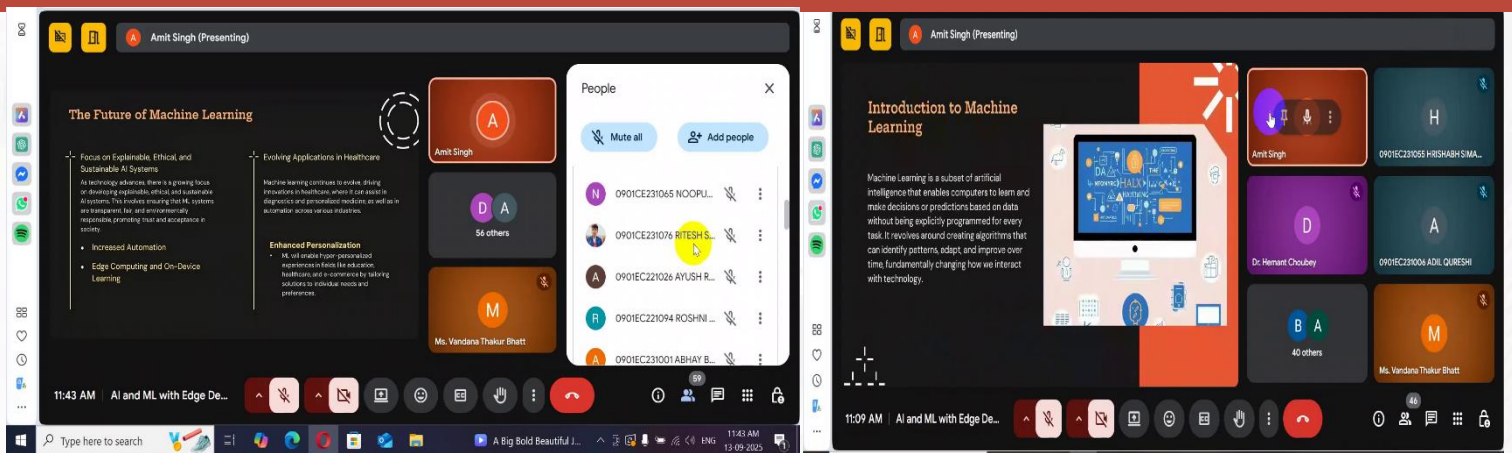


Orientation Program of III Semester



Orientation Program of V and VII Semester

ACTIVITIES CONDUCTED



Expert talk on "AI and ML with Edge Device" delivered by Mr. Amit Singh, R&D Engineer, Scientech Technologies Pvt Ltd. on September 13, 2025.



A successful One Day Seminar on Indian Constitution and Cultural Affairs was held on September 20th, 2025, featuring speaker Dr. Mamta Mishra. The event provided valuable academic insights and was coordinated by faculty member Dr. Prateek Bhadauriya



The Department of Electronics Engineering & Electronics and Telecommunication Engineering organized a **Mandatory Workshop (MWS)** on Report Writing on 13 September 2025 at Colloquium Hall, MITS-DU, Gwalior,

ACTIVITIES CONDUCTED



Mandatory Workshop on “Mastering Competitive Success”, held on 27th September, 2025



Zenith 2025 organized by Electronics Club on 21-22 September, 2025

PARTICIPATION IN INDIA MOBILE CONGRESS 2025



Students from Madhav Institute of Technology and Science (MITS), Gwalior along with Dr. Mukesh Mishra, gained significant attention at the India Mobile Congress (IMC) 2025 for their innovative AI projects in agriculture, banking, and healthcare. Students showcased solutions such as *Kisaan Sahayak*, a multilingual AI chatbot for farmers, an AI-driven loan approval system, and a Healthcare Personal Assistant using Agentic AI. Union Minister Jyotiraditya M. Scindia praised their efforts, highlighting India's progress in AI innovation. IMC 2025, inaugurated by Prime Minister Narendra Modi, hosted over 400 exhibitors and 1,600 technology use cases.

EXPERT TALK GIVEN OUTSIDE THE INSTITUTE



विदिशा 12-10-2025

एसएटीआई में शुरू हुई आइडिएशन वर्कशॉप

विदिशा। एसएटीआई में शनिवार को एआईसीटीई आइडिया लैब और इलेक्ट्रॉनिक्स विभाग के संयुक्त तत्वावधान में तीन दिवसीय 'आइडिएशन वर्कशॉप' का शुभारंभ हुआ। कार्यशाला में विशेषज्ञ वक्ता डॉ. वरुण मिश्रा (एमआईटीएस, ग्वालियर) ने सेमीकंडक्टर डिवाइस मॉडलिंग, सिमुलेशन और नैनो-इलेक्ट्रॉनिक्स विषय पर विद्यार्थियों को नवीन तकनीकी शोध की जानकारी दी। डायरेक्टर डॉ. वाई.के. जैन और डॉ. लक्ष्मीकान्त मरखेड़कर ने छात्रों को प्रोत्साहित किया। डॉ. आशुतोष दातार ने इसे रोजगार की नई दिशा बताया।

Expert Speaker by Dr. Varun Mishra for the Ideation Workshop on "Semiconductor Device Modeling and Simulation, Nanoelectronics", organized by Department of Electronics Engineering, Samrat Ashok Technological Institute (Engineering College), Vidisha (M.P.) from 11 to 13 October, 2025.

NPTEL/ATAL/Internshala Courses Attended

1. Dr. Prateek Bhadauria, attended the AICTE-ATAL Faculty Development Program on Quantum Computing (01-06 Sept 2025) at South Asian University.
2. Dr. Shailendra Singh attended NPTEL online certification course on Research Methodology by IIT Madras.



ATAL/2025/1755848427

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
Nelson Mandela Marg, Vasant Kunj, New Delhi -110070
AICTE Training and Learning (ATAL) Academy

Certificate

It is certified that **Dr. PRATEEK BHADAURIA**, Assistant Professor of **MITS GWALIOR** has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on **Quantum Computing and its applications in recent domains at South Asian University** from 01/09/2025 to 06/09/2025.


Reshma Rastogi
Associate Professor (Other Institute), Coordinator
South Asian University


Dr. Sunil Luthra
Director & Bureau Head
Training and Learning Bureau, AICTE



NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
SHAILENDRA SINGH
for successfully completing the course
Research Methodology

with a consolidated score of **75** %

Online Assignments	24.17/25	Proctored Exam	50.87/75
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Total number of candidates certified in this course: **4905**


Prof. Andrew Thangaraj
Chair
Centre for Outreach and Digital Education, IITM

Jul-Sep 2025
(8 week course)


Prof. Vignesh Muthuvijayan
NPTEL Coordinator
IIT Madras

**Indian Institute of Technology Madras**


FREE ONLINE EDUCATION
swayam
एनपीटीईल एजुकेशन, डिजिटल भारत

Roll No: NPTEL25GE66S336400012 To verify the certificate  No. of credits recommended: 2 or 3

STUDENT ACHIEVEMENTS



Gagandeep Kushwah (as Team Absolute) participated in the Grand Finale of HACKGROUND INDIA 2K25, held at ThoughtWorks Office, Gurugram. This participation in a national hackathon, organized by TechVerse Nexus, showcases his advanced technical skills and innovation.



Charu Saxena participated in the 7 Days Special Residential Camp (Rural) under the NSS, focusing on Public Health and Awareness. Her commitment highlights a strong dedication to community service and social responsibility.



Anshika Dudhane earned an Elite NPTEL Online Certification from IIT Kanpur in "Fuzzy Sets, Logic and Systems & Applications".



Gagandeep Kushwah served as a Co-Mentor in Hackorbit 2025, a National-Level Online Hackathon. Event Dates: 8th July to 9th July 2025.

STUDENT ACHIEVEMENTS



HACKGROUND INDIA 2K25

Certificate of Participation

This is to certify that Gagandeep Kushwah from Madhav Institute of Technology and Science (MITS), Gwalior as Team Absolute has participated in Grand Finale of HACKGROUND INDIA 2K25 held on 30 August, 2025 at ThoughtWorks Office, Gurugram organized by the TechVerse Nexus.



Animesh Singh
Lead Organisers

Maaz Anwar
Lead Organisers

Anmol Aggarwal
Lead Organiser



Gagandeep Kushwah from Madhav Institute of Technology and Science (MITS), Gwalior as Team Absolute has participated in Grand Finale of HACKGROUND INDIA 2K25 held on 30 August, 2025 at ThoughtWorks Office, Gurugram organized by the TechVerse Nexus.



Vansh Shrivastava participated in the exciting “Robocode: Building the Future” IoT & Robotics Workshop, gaining hands-on experience with hardware simulation and circuit design using the Wokwi online simulator. This training, organized by the IEEE Societies and IoT Edge Club, successfully bridged the gap between theory and the real-world application of IoT and Robotics.



Parth Pandey secured the 1st position and a Gold Medal in the exciting Treasure Hunt activity organized by the college's Analytics Club.

Publications

S.No.	Details of Publications
1.	Varun Mishra , Rahul Nautiyal, Akhilesh Chauhan and Pankaj Kumar, "Revolutionizing breast cancer diagnosis: harnessing heterojunction vertical tunnel FET with magnesium silicide", Physica Scripta, Vol. 100, (9) , 095017. https://iopscience.iop.org/article/10.1088/1402-4896/ae06d3/meta
2.	Yash Uchhasare, Varun Mishra , "HE4-Mediated Identification of Epithelial Ovarian Cancer Subtypes: Vertical TFET Biosensor Modelling", Impulse, 2025 IEEE International Conference on Intelligent Signal Processing and Effective Communication Technologies (Accepted) .
3.	Swati Dixit, Varun Mishra , Manisha Pattanaik, "Emergent TFET Design and Challenges for Low Power Biosensors", Biochip Design and Health Informatics using IoT and SDN", Wiley IEEE Publishing (SCOPUS Book Chapter Accepted).
4.	Ritika Panchal, Meenakshi Medicharla, Anagha Chouggaonkar and Mukesh Mishra , Edge AI based Predictive Maintenance on 3D printers using ESP32 and Edge Impulse, 2025 IEEE International Conference on Intelligent Signal Processing and Effective Communication Technologies (Accepted).
5.	Hardik Deshpande , Jyoti Pipariya, Anagha Chouggaonkar, Mukesh Kumar Mishra and Ammar Maheshwarwala, Body-Focused Repetitive Behaviors Detection Through LightGBM Classifier, 2025 IEEE International Conference on Intelligent Signal Processing and Effective Communication Technologies (Accepted).
6.	Hemant Choubey , "Design and Analysis of a Wideband Inverse Dual C-Slot Microstrip Antenna for 5G, WiMAX, WLAN, and Wi-Fi 6E Bands", IEEE International Conference SISIMPACT-2025 (Accepted).
7.	Atharva Shrotriya , Mahim Dixit and R. Jenkin Suji , "Graphical User Interface Tool For The Development Of Machine Learning Models", 3rd International Student Conference on Multidisciplinary and Current Technical Research (ISCMCTR - 2025), (Accepted).
8.	Neetesh Sharma, Kanishka Shivhare , "Sign to Shine: A Hand Gesture Light-Controlled System", 2025 7th International Conference on Computing, Communication and Automation.
9.	Laxmi Shrivastava , "Image Encryption and Decryption using Deep Learning: A Comprehensive Review", IEEE Madhya Pradesh Section Conference 2025 (MPCON-2025), (Accepted).



Elsevier Data Repository



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August 2025 data-update for "Updated science-wide author databases of standardized citation indicators"

Published: 19 September 2025 | Version 8 | DOI: 10.17632/btchxktzyw.8

Contributor: [John P.A. Ioannidis](#)

Description

Citation metrics are widely used and misused. We have created a publicly available database of top-cited scientists that provides standardized information on citations, h-index, co-authorship adjusted hm-index, citations to papers in different authorship positions and a composite indicator (c-score). Separate data are shown for career-long and, separately, for single recent year impact. Metrics with and without self-citations and ratio of citations to citing papers are given and data on retracted papers (based on Retraction Watch database) as well as citations to/from retracted papers have been added. Scientists are classified into 22 scientific fields and 174 sub-fields according to the standard Science-Metrix classification. Field- and subfield-specific percentiles are also provided for all scientists with at least 5 papers. Career-long data are updated to end-of-2024 and single recent year data pertain to citations received during calendar year 2024. The selection is based on the top 100,000 scientists by c-score (with and without self-citations) or a percentile rank of 2% or above in the sub-field. This version (7) is based on the August 1, 2025 snapshot from Scopus, updated to end of citation year 2024. This work uses Scopus data. Calculations were performed using all Scopus author profiles as of August 1, 2025. If an author is not on the list, it is simply because the composite indicator value was not high enough to appear on the list. It does not mean that the author does not do good work. PLEASE ALSO NOTE THAT THE DATABASE HAS BEEN PUBLISHED IN AN ARCHIVAL FORM AND WILL NOT BE CHANGED. The published version reflects Scopus author profiles at the time of calculation. We

Dataset metrics

Views	4149070
Downloads	1049110

Latest version

Version 8	
Published:	19 Sep 2025
DOI:	10.17632/btchxktzyw.8

Cite this dataset

Ioannidis, John P.A. (2025). "August 2025 data-update for "Updated science-wide author databases of standardized citation indicators"", Elsevier Data Repository, V8, doi: 10.17632/btchxktzyw.8

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Dr. Shailendra Singh has been selected as Top 2 % Scientist according to Stanford University



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