

Curriculum Vitae

Dr. Tukaram D. Dongale
Ph.D., NET, SET.

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Educational Qualifications

- Ph.D. in Electronics (2016): Shivaji University, Kolhapur
- M.Sc. Electronics (2012): First Class with Distinction (A+), Shivaji University, Kolhapur
- B.Sc. Electronics (2010): First Class with Distinction (A+), Shivaji University, Kolhapur

Academic Attainments

- Post Doc Fellow (2019), Department of Electrical Engineering, Korea University, South Korea
- Qualified UGC NET-JRF examination in M.Sc. II year, December 2011. (AIR-1)
- Qualified UGC SET examination in M.Sc. II year, August 2011. (Highest marks in Electronic Subject)
- Secured First Rank in M.Sc. Electronics, Shivaji University, Kolhapur, 2012.
- Secured First Rank in M.Sc. Entrance Examination, Shivaji University, Kolhapur, 2010.
- Secured First Rank in B.Sc. Electronics, Shivaji University, Kolhapur, 2010.

Scholarships and Achievements

- Recipient of State Governments Eklavya Scholarship, 2011-12.
- Recipient of Shivaji University Merit Scholarship for M.Sc. Electronics, 2010-11.
- Recipient of State Government's Chief Minister NCC Scholarship for Best Cadet, 2008-09.
- Earn NCC 'B' and 'C' certificates, 2007-09, and participate in Three National Level Camps of NCC; Earn 'A' Grade, 2007-09.

Awards and Recognitions

- Recipient of "Prof. Man Mohan Sharma Awards for Science and Technology 2023", by Marathi Vidnyan Parishad, Mumbai (Maharashtra).
- Listed as a top 2% scientist of the world by Stanford University, USA, 2022, 2023.
- Listed as a leading Scientist of India by the AD Scientific Index, USA, 2021, 2022, 2023.
- Recipient of "Late Shantaram Narayan Wyangankar Paritoshik-2012" for securing First Rank in M.Sc. Electronics
- Best Paper Presentation Award in various conferences.

Professional Recognition and Membership

- Academic Council Member, Dr. Homi Bhabha State University, Mumbai, 2023 to 2026.
- Young Associate, Maharashtra Academy of Sciences, 2020 (No.: HYA109)
- Member, American Chemical Society, 2022 (No.: 31788484)
- Member, Shivaji University Postgraduate Teachers Association (SUPTA)
- Secretary, RAMAN International Optronics Society, India, 2022.
- Associate Editor, Frontiers in Nanotechnology (Scopus Indexed)
- Review Editor of Frontiers in Materials (Impact Factor: 3.98, SCIE Indexed)

Research Interests

- Electronic Materials and Devices
- Resistive Switching Memory Devices, Memristive Devices, and Systems
- Electronic Synaptic Devices and Neuromorphic Computing
- Artificial intelligence and Machine learning

Projects and Funds Mobilized:

- Total Resource Mobilized: **12.004 Cr.**
- No. of Minor and Major Research Projects: 06 (Completed and Ongoing)
- Funding Agencies:
 - ✓ Ministry of Education (GoI)
 - ✓ Rashtriya Uchchatar Shiksha Abhiyan (RUSA), Maharashtra
 - ✓ Department of Science and Technology (GoI)
 - ✓ Science and Engineering Research Board (GoI)
 - ✓ Shivaji University, Kolhapur

Intellectual Capital

- **Research Publications: 168 (SCI (148) and SCOPUS (20) Indexed)**
- **Cumulative Impact Factor of SCI Publications: 750.5**
- **Average Impact Factor of SCI Publications: 5.07**
- **Highest Impact Factor: 19 (Advanced Functional Materials)**
- **Citations: 3700+**
- **h-index: 34**
- **i-10 Index: 116**
- **Patents: 11 (06 Granted, 05 Applied)**
- **Books: 03**
- **Book Chapters: 03**
- **COD Contribution (University of Cambridge): 03**
- **Cover Images of Journals: 10**
- **Product Development: 05**

Member of University Statutory Bodies

- Member, Academic Council, Dr. Homi Bhabha State University, Mumbai, 2023 to 2026.
- Member, Board of Lifelong Learning and Extension, Shivaji University, Kolhapur, 2023.
- Member, Board of Information Technology, Punyashlok Ahilyadevi Holkar Solapur University, Solapur, 2023-2027.

Academic and Research Administration

- Member, Institutional Innovation Council (IIC), Shivaji University, Kolhapur
- Member, Research Advisory Board of Yashwantrao Chavan Institute of Science, Satara
- Internal Auditor for ISO 9001:2015 of Shivaji University, Kolhapur.
- Young Associate, Maharashtra Academy of Sciences.
- Member, American Chemical Society
- Secretary, RAMAN International Optronics Society, India.
- Member, Department Research Committee for Ph.D., SNST-SUK
- Rector, Boy's Hostel (SNST and YCSR), Shivaji University, Kolhapur,
- Departmental NAAC Coordinator, University NAAC Member: Criteria-3
- Co-ordinator and Team Leader of the Avishkar-2017-18
- University SWAYAM Mentor,
- Member, Product Development, Monitoring and Commercialization, Research and Development Cell, Shivaji University, Kolhapur.

Student Support and Progression

- ✓ Ph.D. Degree Awarded: 02
- ✓ Working Ph.D. Students: 03
- ✓ Master Thesis Supervision: 65+
- ✓ Placement at International and National Universities and Industries: 60+
- ✓ Students were placed at various international and national universities and institutes. Students' footprints are in *South Korea, Taiwan, Australia, Italy, the United Kingdom, Finland, and Israel.*