



Prof. (Dr) R. G. Sonkawade

Senior Professor & Head,
Department of Physics,

Former Head, USIC, CFC & Coordinator
SAIF-DST Centre, Shivaji University,
Kolhapur-416 004

Former Dean, School for Physical Sciences,
Former Head, Dept., of Applied Physics,
Former Director, RCA Babasaheb Bhimrao
Ambedkar University (Central University)
Lucknow-25, UP

Senior Scientist, Inter University Accelerator
Center (IUAC), New Delhi
9763041193

rgsonkawade@gmail.com
<http://www.sonkawade.com/>

Leadership Qualities & Professional Affiliations

- **Member of Vidnyan Bharati (VIBHA).**
- Subject expert for the **Union Public Service Commission (UPSC)** and Chairman/Member Coordinator for **NAAC** peer teams.
- **Patron & Former President (2-term) (2009-2013)** Nuclear Track Society of India, Radiochemistry Division, BARC Mumbai (Maha)
- **Former Member,** General Council, AYJNIHH, Ministry of Social Justice, Gol New Delhi
- **Former Member,** Planning Board, Finance Committee, Babasaheb Bhimrao Ambedkar University (Central University) Lucknow-226025 (UP)
- **Former Member,** Governing Council, Governing Board, Finance Committee, Scientific Advisory Committee Accelerator Users Committee, Inter University Accelerator Centre. New Delhi-110067
- **Former UGC nominee,** Finance Committee, Board of Management. Planning Board, at Deemed Universities and Autonomous Colleges

Professional Experience at Central, State University & Institute of National Importance

- **Central University Administration (2011-2013):** Former Professor, Dean (School of Physical Sciences), and Head of Applied Physics; Director, Residential Coaching Academy, Nodal Officer at Babasaheb Bhimrao Ambedkar University (BBAU), Lucknow.
- **Senior Scientist (1997-2014):** Inter-University Accelerator Centre (IUAC), New Delhi, under the Ministry of Education, Gol, New Delhi.
- **Head, Professor & Senior Professor (2014-till date):** Department of Physics, Shivaji University, Kolhapur-416 004

Academic Background

- **Ph.D. in Physics (2006):** Hemvati Nandan Bahuguna Garhwal University, Uttarakhand.
- **Post-Doctoral Diploma:** Radiological Physics (DRP), Bhabha Atomic Research Centre (BARC), Mumbai (1996).
- **Master of Science (Physics):** Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (1995).
- **Undergraduate Studies:** Shivaji College, Omerga (1993).

Research Contributions & Scholarly Impact

- **Publications:** Over 240 research papers in refereed journals, 10 book chapters, and 24 conference proceedings.
- Delivered **numerous invited talks** in the international and national conferences within and outside the country.
- **Citation Metrics: Total Citations:** 4,400+, **h-index:** 36, **i10-index:** 102
- **Intellectual Property:** Holds a registered patent in the field of **Solid State Nuclear Track Detectors (SSNTD).**
- **Research Supervision:** Successfully guided 13 Ph.D. scholars to completion, with 6 currently in progress or submitted.
- **Current Research Focus:** Sensing technologies, supercapacitors, microwave applications, gas applications, and materials science.

International Collaborations & Recognition

- **Visiting Scientist:** High Energy Accelerator Research Organization (KEK), Japan (2006).
- **Global Academic Tours:** Most recently (2025) visited South Korean institutions, including **Sungkyunkwan University** and **Dongguk University** for academic exchange.
- International Presenter: Delivered expert lectures and research papers in Spain, Scotland, Belgium, and South Korea and many international conferences organized in India. Barcelona, **Spain (Europe, 2004);** Glasgow, **Scotland (UK, 2005);** Belgium **(Europe, 2007).**

Grants & Institutional Development

- **Extramural Funding:** Secured research grants exceeding **₹9 Crore** from various national and international agencies.
- **Facility Monitoring:** Nominated by the Ministry of Science and Technology to the monitoring committee for SAIF at IEST, Kolkata.
- **University and Institutes of National Importance Governance:** Member of the Governing Councils and Academic Committees for multiple Central, State, and Deemed universities.

Social Responsibility & Professional Affiliations

- **Community Outreach:** Actively involved in environmental protection, rural development, tree plantation, health check-up camps, and de-addiction initiatives through various NGOs.
- **President:** Neem Karoli Baba Charitable Trust, Kolhapur, Maharashtra.
- **Print & Electronic media:** His role was highlighted by leading print & electronic media on his research related to community as well as during covid pandemic; his innovations were covered by media at national level numerous times.