

Brief Profile

Prof. (Dr.) Sanjay Shamrao Chavan

M. Sc., Ph. D.

BOYSCAST (India) & ENDEAVOUR (Australia) Fellow

Department of Chemistry

Coordinator, Department of Agrochemicals and Pest Management

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Teaching Experience: **27 Years** Research Experience: **18 Years** Administrative Experience: **3 Years**

ACADEMIC CREDENTIAL:

- Post-Doctoral Research Monash University, Clayton, Victoria 3800, Australia 2015-2016
- Post-Doctoral Research Australian National University, Canberra, Australia 2007-2008
- Post-Doctoral Research Indian Institute of Science (IISc), Bangalore, India 2005-2006
- Ph. D. Department of Chemistry, Shivaji University, Kolhapur, India 1999-2002
- M. Sc. Department of Chemistry, Shivaji University, Kolhapur, India 1988-1990
- B. Sc. Yeshwantaro Chavan Institute of Science, Satara, India 1985-1988

ACADEMIC POSITION

- 2010-onwards Professor, Dept. of Chemistry, Shivaji University, Kolhapur
- 2003-2009 Reader/Associate Professor, Dept. of Chemistry, Shivaji University, Kolhapur
- 1998-2002 Sr. Lecturer, K. B. P. College, Urun-Islampur (Sangli)
- 1991-1998 Lecturer, K. B. P. College, Urun-Islampur (Sangli)

ADMINISTRATIVE EXPERIENCE

- Coordinator/Head Department of Agrochemicals and Pest Management, Shivaji University, Kolhapur 1 June 2016-onwards
- Head Inorganic section, Department of Chemistry, Shivaji University, Kolhapur
- Co-Chair International research grant received under 'Australia-India Strategic Research Fund (AISRF)'-2011-Joint program of **Australia** and **India** Government.
- Convener National Conference on 'Frontiers in Chemical and Material Sciences (FCMS-2015) - 16, 17 Jan. 2015-Organized by Department of Chemistry, Shivaji University, Kolhapur
- Convener National Conference on 'Recent Advances in Agrochemicals and Integrated Pest Management (RAAIPM-2018) - 6, Mar. 2018-Organized by Department of Agrochemicals and Pest Management, Shivaji University, Kolhapur

AWARDS & HONOURS

- **Teacher Fellowship-1999**-University Grants Commission (UGC), Govt. of India.
- **Young Scientist Award-2002**-'Indian Council of Chemists', India.
- **Indian National Science Academy (INSA), Govt. of India Visiting Fellow-2005**
- **BOYSCAST Fellowship-2007**- Department of Science and Technology (DST), Govt. of India, at Australian National University, Australia.
- **Endeavour Research Fellowship Award-2011** by Government of Australia
- **Endeavour Executive Fellowship Award-2015** by Government of Australia
- **Endeavour Award Lapel Pin of High Achiever-2011 & 2015**- Government of Australia
- **Honorary member** of Global Alumni Network of a selected group of outstanding scholar, researcher and professionals -Program of **Australian Government**

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COUNTRIES VISITED: Australia (Three times), New Zealand, Spain, France

STATUTARY COMMITTEE

- Member of Research and Recognition (RR) Committee, Shivaji University, Kolhapur
- Member of Research and Recognition (RR) Committee, Mumbai University, Mumbai
- Member-Board of University Teaching and Research (BUTR) Committee, Shivaji University, Kolhapur
- Member-Adhoc-Board of Studies (A-BOS), AGPM, Shivaji University, Kolhapur
- Member-Standing Committee Special Cell, Shivaji University, Kolhapur

MEMBER OF THE PROFESSIONAL BODIES

- Member- American Nano Society
- Member- American Chemical Society
- Life member- Materials Research Society of India (No. LMB 2851)
- Life member- Luminescence Society of India
- Life member- Association of Chemistry Teachers

CHAIRMAN/MEMBER OF THE COMMITTEE

- Chairman-Coordinating Committee, Department of Agrochemicals and Pest Management
- Chairman-Departmental Research Committee (DRC), Agrochemicals and Pest Management
- Chairman-Research Advisory Committee (RAC), Agrochemicals and Pest Management
- Chairman-Local Inquiry Committee (LIC), Shivaji University, Kolhapur
- Member-'Annual Progress Indication (API)' score determination committee for the post of Principal at colleges under the jurisdiction of Shivaji University, Kolhapur
- Vice-Chancellor's nominee in selection committee for 'Teachers' in parent institute and affiliated colleges
- Vice-Chancellor's nominee in selection committee of 'Principal' in affiliated colleges of Shivaji University, Kolhapur
- Member-Selection committee as a Subject Expert for selection of teachers in affiliated colleges
- Member- Syllabus Revision Committee, Department of Chemistry, Shivaji University, Kolhapur

RESEARCH SPECIALIZATION: Functional Coordination Chemistry, Coordination-Organometallic Hybrid Materials, Catalysis, Nonlinear optics

PH. D. STUDENTS GUIDED: 11 (Working: 3)

RESEARCH PUBLICATIONS: 91 Research Journals: 53; Conference paper presentation: 38

RESEARCH PROJECT SUPERVISED:

- 'Synthesis and Characterization of Some Biologically Active (bio-active) Thiazolylazo Derivatives and Their Metal Complexes'-**Completed-(INR 50, 000/-)** Funded by **UGC**, New Delhi (India)
- 'Synthesis of Metal Complexes and Physico-Chemical Studies of Interaction of Metal Ions with Some Bioactive Molecules'-**Completed-(INR 85, 000/-)** Funded by **UGC**, New Delhi (India)
- 'Synthesis of Coordination-Organometallic Hybrid Complexes for Nonlinear Optics'-**Completed-(INR 16, 61, 082/-)**-Funded by Department of Science and Technology (**DST**), Govt. of India
- 'Design, Synthesis and Luminescence Studies of Novel Hybrid Complexes Composed of Coordination and Organometallic Sites'-**Completed-(INR 37,91, 200/-)**-Funded by **SERB**, Govt. of India
- 'Synthesis of Transition metal Complexes with Nitrogen Donor Ligands: Emphasis to the Development of C-C and C-N Coupling Catalyst' **Submitted-(INR 37, 58, 384/-)**-To **SERB**, Govt. of India
- **International collaborative research project:**
'Hybrid Organometallic–Coordination Complex Materials for Nonlinear Optics'-**Completed-** in collaboration with Australian National University (ANU), **Australia**, Raman Research Institute, **Bengaluru**, University of **Hyderabad** and **IIT, Madras**-Under Australia-India Strategic Research Fund (**AISRF**)-Joint program of **Australia** and **India Govt.** Funded (**INR 43,98,380/-**) by **DST**, Govt. of India.

RESEARCH COLLABORATIONS:

- Prof. Mark Humphrey, Prof. Robert Stranger, Dr. Marie Cifuentes, Dr. Simon Pitre, Research School of Chemistry, Australian National University, Canberra, ACT 0200, **Australia**
- Prof. Barry Luther Davis, Laser Physics Center, Australian National University, Canberra, **Australia**
- Prof. Marek Samoc, Research School of Physics and Engineering Australian National University, Canberra, **Australia**
- Prof. Stuart Batten, School of Chemistry, Monash University, Clayton, Victoria 3800, **Australia**
- Dr. Reji Philip, Department of Light and Matter Physics, Raman Research Institute, **Bangalore**
- Prof. D. Narayan Rao, Department of Physics, University of Hyderabad, **India**
- Prof. S. Venugopal Rao, Advance centre of Research in High Energy Materials, University of **Hyderabad**
- Prof. C. Vijayan, Department of Physics, Indian Institute of Technology (IIT), **Madras**
- Prof. G. K. Lahiri, Department of Chemistry, Indian Institute of Technology (IIT), **Bombay**

REVIEWER OF THE SCIENTIFIC RESEARCH JOURNALS

- Indian Journal of Chemistry (**CSIR**, India); Journal of Indian Chemical Society; Inorganic Chemistry Communications (**Elsevier Science**); Journal of Molecular structure (**Elsevier Science**); Spectrochimica Acta A (**Elsevier Science**); Synthetic Metals (**Elsevier Science**); Electrochimica Acta (**Elsevier Science**); Inorganica Chimica Acta (**Elsevier Science**); Phosphorus, Sulphur, Silicon (**Elsevier Science**); Journal of Alloys and Compound (**Elsevier Science**); Journal of Physical Chemistry (**American Chemical Society**); Chemical Papers (**Springer**); Chemistry Select (**Wiley**), Applied Materials & Interfaces (**American Chemical Society**), ACS Omega

PH. D. THESIS EXAMINER

- Osmania University, Hyderabad; Periyar University, Salem, Tamilnadu; Kuvempu University, Shimoga, Karnataka; Savitribai Phule Pune University, Pune; University of Mumbai; Swami Ramanand Teerth Marathwada University, Nanded; Bharati Veedhyapeeth, Pune; Sant Gadge Baba University, Amravati

EXTENSION ACTIVITIES:

- Expert-Judge at the state level competition held on 'Science and Technology Towards Sustainable, Integral Development of Humanity' held at Holy Cross Convent school, Kolhapur
- 'OBSERVER' for 'The National Eligibility Test Cum Entrance Test-2013' of Central Board of Secondary Education (**CBSE**), Human Resource Development (**HRD**) Ministry, Govt. of India, New Delhi
- Executive Council Member, Shivaji University Postgraduate Teacher Association (SUPTA), 2013-2015
- Member-Tree Plantation Committee, Pre-IAS Training Center, Kolhapur, Govt. of Maharashtra
- Member-Anti-Sexual Harassment Committee, Pre-IAS Training Center, Kolhapur GovT. of Maharashtra
- Member- Animal Ethics Committee, Warana Mahavidyalaya, Warnanagar, Kolhapur

ADDRESS

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Near Buds Primary School,
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