

Shamkumar Pandurang Deshmukh
Professor of Chemistry
Department of Chemistry
D.B.F. Dayanand College of Arts and Science,
Solapur



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EDUCATION

Ph.D. (Chemistry), Shivaji University,
Kolhapur (2013–2019)

Thesis: Synthesis and characterization of
supported transition metal nanoparticles
for antibacterial and catalytic applications

M.Sc. (Inorganic Chemistry), Shivaji
University (2001–2003) – First Class

B.Sc. (Chemistry, Physics, Statistics),
Sangmeshwar College, Solapur
(1998–2001) – First Class

M.J. (Journalism), Tilak Maharashtra
Vidyapeeth, Pune (2013–2014)

Training Course in Science Journalism
(DST, New Delhi)

PERSONAL DETAILS

Date of Birth: 20 November 1981

Nationality: Indian

PROFILE

Dr. Shamkumar P. Deshmukh is a Professor of Chemistry with more than 20 years of teaching and research experience. His expertise includes nanomaterials, photocatalysis, and reticular chemistry. He has made significant contributions through research publications in reputed international journals, a granted patent, and active engagement in academic development, innovation, and science communication.

RESEARCH INTERESTS

Reticular Chemistry • Photocatalysis • Materials Science • Carbon-based Materials • Antibacterial Applications

RESEARCH CITATIONS

Citations	h- index	i10-index
1858	16	20

PROFESSIONAL EXPERIENCE

Professor, D.B.F. Dayanand College of Arts & Science, Solapur
(October 2005 – Present)

Recognized as Postgraduate Teacher and Research Guide

RESEARCH EXPERIENCE

Project Assistant, Centre for Materials for Electronics Technology
(C-MET), Pune (2005)

UGC Teacher Fellowship under XII Plan, Shivaji University (2017–
2019)

RESEARCH PROJECTS

UGC-funded Minor Research Project: *Synthesis and characterization of transition metal nanoparticles in electronic and catalytic applications* (2012–2014, ₹1.5 Lakhs)

RESEARCH GUIDANCE

Ph.D. Scholars: 02 Ongoing

CONFERENCE PRESENTATIONS

International: 06

National: 14

TECHNICAL EXPERTISE

XRD • FTIR • SEM/EDAX • TGA/DTA • UV-Visible DRS • BET Analysis • Magnetic Measurements

PROFESSIONAL MEMBERSHIPS

Life members of ISCA, MRSI, IANCAS, Association of Chemistry Teachers, Society for Materials Chemistry, Marathi Vidnyan Parishad, Institute of Scholars

SKILLS

Scientific Writing & Communication
Personality Development Training
Research Methodology & Collaboration

CONTACT

Department of Chemistry
D.B.F. Dayanand College of Arts & Science
Ravivar Peth, Solapur – 413002,
Maharashtra, India

PUBLICATIONS, BOOKS & PATENT

20+ Research Papers in reputed journals (ACS, Elsevier, Springer, RSC, Wiley)

3 Book Chapters (Elsevier, Wiley, Springer)

3 Books Published

Patent (2022): Nanocomposites-based antibacterial additives in paint formulations (Govt. of India)

FACULTY DEVELOPMENT & TRAINING

Placement Sutra, MSFDA Pune (2026)

Training of Trainers on Integrating Technology in Education, MSFDA Pune (2025)

Capacity Building Program, HBCSE Mumbai (2024)

Student Centric Learning (MIT–Flame University, 2024)

Techno-Pedagogy & Andragogy (Symbiosis University, 2023)

FDP on MOOCs (University of Delhi, 2020)

Refresher & Orientation Courses (JNU New Delhi, Goa University, Kerala University, etc.)

PARTICIPATION IN VARIOUS BODIES OF UNIVERSITY:

Chairman, Board of Studies (Agro-chemical and Pest Management), PAH Solapur University, Solapur 2022

Member of Academic Council, PAH Solapur University, Solapur

BOS Member of Chemistry, PAH Solapur University, Solapur. 2023

BOS Member of Chemistry, Willingdon College Sangli.

BOS Member of Subcommittee of Chemistry Geochemistry and AGPM

ACADEMIC & OUTREACH ACTIVITIES

Delivered guest lectures on scientific topics and innovation

Science communicator with articles published in newspapers (Loksatta)

Contributor to science fiction publications

Participation in academic workshops, FDPs, and outreach programs

AWARDS & RECOGNITION

World Scientist and University Ranking AD Scientific index (2023, 2024, and 2025)

Peer Reviewer for ACS, RSC, Wiley, Elsevier, Springer, Frontiers (19+ reviews)

Top Downloaded article Chemistry Select 2022 and Material Science and Engineering Journal: C 2020

InSc National Young Achiever Award (2019)

Avishkar Research Festival Awards (2015–2018)

UGC Teacher Fellowship Award