



PROF. (DR.) PRAMOD S. PATIL

**Pro-Vice-Chancellor, Shivaji University,
Kolhapur**

PROFESSIONAL SUMMARY

Prof.(Dr.) Pramod S. Patil has 31 years of teaching and research experience. His major fields of research are renewable energy (development of 3rd generation solar cells), energy storage devices (Batteries & Super capacitors), Chemiresistive toxic gas sensors, Electrochromic Smart Window Coatings, Nanofabrics and Nano materials. He has 492 international journal papers and 5 patents. He has produced 44 Ph.D. students. He is a recipient of prestigious DAAD fellowship, Germany (Hahn-Meitner Institute) and Brain Pool Fellowships (Seoul National University & Chonnam National University), South Korea. He is a Fellow of Institute of Physics, London, UK, Member of National Academy of Sciences, India, and Fellow of Maharashtra Academy of Sciences. He has received Best Teacher Award of Shivaji University in 2014. He has established School of Nanoscience & Technology. He has worked as a member on several administrative bodies of University like Senate, Management Council & Academic Council. He has shouldered the responsibility of Dean (Science & Technology Faculty). His contribution to both the academic and administrative work is remarkable.

EDUCATION

- *Bachelor of Science (Physics) | 1984 -Shivaji University, Kolhapur*
- *Master of Science (Physics)| 1986 - Shivaji University, Kolhapur*
- *Doctor Of Philosophy (Physics)| 1990 - Shivaji University, Kolhapur*
- *German Language (G-I)| 1996 - Goethe Institute, Bremen, Germany*
- *German Language (G-II)| 1996 - Goethe Institute, Bremen, Germany*

POSITIONS HELD

- *Lecturer, New college, Shivaji University, Kolhapur*
- *Lecturer, Department of Physics, Shivaji university, Kolhapur*
- *Reader/Associate Professor, Department of Physics, Shivaji university, Kolhapur*
- *Professor, Department of Physics, Shivaji university, Kolhapur*
- *Coordinator, M.Tech Energy Technology, Shivaji university, Kolhapur*
- *Coordinator, School of Nanoscience and Technology, Shivaji university, Kolhapur*
- *I/C Director, School of Nanoscience and Technology, Shivaji university, Kolhapur*
- *Faculty Coordinator, Faculty of Science, Shivaji university, Kolhapur*
- *I/C Dean, Faculty of Science and Technology, Shivaji University, Kolhapur*
- *Head, Department of Physics, Shivaji University, Kolhapur*
- *Director, Internal Quality Assurance Cell (IQAC), Shivaji University, Kolhapur*
- *Pro-Vice-Chancellor, Shivaji University, Kolhapur*

MAJOR MILESTONE

- *Established School of Nanoscience and Technology having 5 years B.Sc-M.Sc Integrated Program in 2012.*

ADMINISTRATIVE EXPERIENCE

- **Member**, Senate, Shivaji University, Kolhapur
- **Member**, Management Council, Shivaji University, Kolhapur
- **Member**, Academic Council member, Shivaji University, Kolhapur
- **Chairman**, Board of studies in Physics, Shivaji University, Kolhapur
- **Member**, Board of studies in Nanoscience and Technology, Savitribai Phule Pune University, Pune
- **Member**, Board of studies in Physics, Dr. Babasaheb Ambedkar Marathvada University, Aurangabad and Punyashlok Ahilyabai Holkar Solapur University, Solapur.
- **Member**, Board of studies in Physics, Sanjay Ghodawat University, Kolhapur
- **Member**, Administrative Council, Walchand college, Sangli
- **Member**, UGC Committee to give Autonomous status to colleges, New Delhi
- **Review Member**, World Class Quacquarelli Symonds Ranking Intelligent Unit U.S.
- **Member of Academic Council**, DKTE, Ichalkaranji

RESEARCH WORK GUIDANCE

- Ph.D. : **48** (43 Completed; 01 Submitted, 04 Working)
- M. Phil.: **06** (06 completed)
- M.Sc.: More than **200 projects** are completed
- M. Tech (Energy Technology): **10 Projects**

RESEARCH PUBLICATIONS AND RANKING

- **Research papers: 492** (International 456, National 25, Proceeding 11)
- **Conference abstracts: 303** (International 110, National 193)
- **Patents: 5** (International 2, National 2, Submitted 1)
- **Books/ Book Chapters: 10** (International 10)
- **Total citations for the papers: 20,653, h-index:72, i10-index:429 (As on November 2020)**
- **Research Gate (RG) reads: 1,07,000, RG score: 47.60**
- **Total research paper views by Mendeley : 4,61,555**
- **World Ranking and Indian Ranking as per SCOPUS-2020:**
 1. Smart window coatings (Ranks 6th in the world and 1st in India),
 2. Toxic Gas Sensors (Ranks 20th in the world and 1st in India)
 3. CZTS solar cells (Ranks 11th in the world and 3rd in India),
 4. Perovskite Solar Cells (Ranks 6th in India)

INDIVIDUAL RESEARCH PROJECTS: 15

- **Projects by national Funding agencies: 13**
- **Projects by international Funding agencies: 2** (Japan, Egypt)
- **Established Centre for Nanofibrics, RUSA: Rupees 1.25 Crore**
- **DBT-BUILDER project, Nanobiotechnology, DBT: 5.0 Crore**
- **Total grants: Rupees 10.02 crore**

DEPARTMENTAL PROJECTS: PREPARED, PRESENTED, EXECUTED

- **Departmental Projects: 8**
- **Total research funding: 16.76 crore**

MEMBERSHIP OF ACADEMIC BODIES

- **Life Active member**, *Society for advancement in electrochemical science and technology (SAEST), Karaikudi, India.*
- **Life member**, *Marathi Vidnyan Parishad, Mumbai, India.*
- **Life Member**, National Semiconductor Society, India.
- **Life Member**, Indian Association for Physics Teachers (**IAPT**).
- **Life member**, Materials Research Society of India (**MRSI**).
- **Life member**, National Academy of Science, India (**NASI**).
- **Fellow Member**, Institute of Physics, UK, London, (**FinstP**)
- **Fellow Member**, Maharashtra Academy of Sciences.
- **Coordinator**, MOU between Shivaji University and National Dong Hua University, Taiwan
- **Coordinator**, MoU between Shivaji University and Chonnam National University, Myongji University, S. Korea
- **Member**, Quarterly Franklin Membership of London Journal Press.
- **Coordinator**, MOU between Shivaji University and Universities of Ontario, Canada.
- **Life member**, The Indian Science Congress, Association.
- **Life Member**, International solvothermal and hydrothermal association (ISHA)
- **Coordinator**, MOU between Shivaji University and National Chemical laboratory, Pune.

RECEIPT OF PRESTIGIOUS INTERNATIONAL FELLOSHIPS

- **German Academic Exchange Award (DAAD)**, Hahn-Meitner Institute, Berlin, Germany (1996-1998).
- **Brain Pool post doctoral fellowship award**, Seoul National University, South Korea–(2004-2005)
- **Brain Pool post doctoral fellowship award**, Chonnam National University, South Korea (2012-13)
- **Fellow**, Institute of Physics, London, U. K.

HONOURS/PRIZES/AWARDS:

- Junior Research Fellowship (**JRF**)–(1986-1988)
- Senior Research Fellowship (**SRF**)–(1988-1989)
- Best Poster Presentation Awards at International conferences:03
- Best Poster/Oral Presentation Awards at National conferences:05
- **Winner** of the best microscopy image cover page award, **Nano Today**, Impact Factor: 17.47, (Feb 2010)
- **Winner** of the best microscopy image cover page award, **Nano Today**, Impact Factor: 17.47, (July 2011)
- **Winner** of the best microscopy image cover page award, **Materials Today**, Impact Factor: 24.37, (2011)
- **Outstanding poster award**-IUMRS-ICA-12, Taipei, Taiwan-19-22 Sept, (2011)
- **Excellent poster award**- IUMRS-ICA-2012, Taipei, Taiwan-(2011)
- **Editor**, Conference papers in Materials Science (CPMS), Hindawi Publishers-(March 2012)
- Best **poster presentation award** at Indo-Singapore international conference, ISHA-(2014)
- **Review Editor**, Frontiers in Materials-(2014)
- **Best Teacher Award**, Shivaji University, Kolhapur-(2014)
- One of his Ph.D. students received **Best Ph.D. thesis in the world**- award-(2014)
- **"TOP 10 knowledge producers in India"** award by Faculty Research Awards, Careers 360 Ranking in India-(2017-2018)
- **Outstanding Research faculty Award** by **Careers 360** Ranking in India-(2017-2018)

- **Ranked No. 5 in India and No. 391 in world in Applied Physics by Stanford University, U. S. A. (2020)**
- Editorial Board Member, Applied surface science: Advances, Elsevier Publication
- **Joint Secretary**, Maharashtra Academy of Science, Maharashtra.

POST DOCTORAL AND DOCTORAL STUDENTS WORKING ABROAD

- **Post doctoral Students: 13**
- **Doctoral Students: 35**

NATIONAL COLLABORATIONS

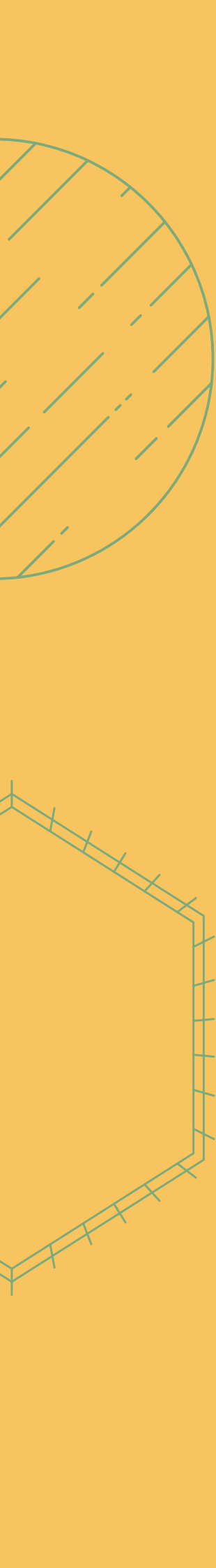
- **Bhabha Atomic Research Centre (BARC)**, Mumbai, M.S.
- **National Chemical Laboratory (N.C.L.)**, Pune, M.S.
- **D.R.D.E.**, Gwalior, M.P.
- **Centre for Materials for Electronic Technology**, Pune
- **Central Electrochemical Research Institute (C.E.C.R.I.)**, Karaikudi, T.N.
- **Solapur University**, Solapur, M.S.
- **Pune University**, Pune, M.S.
- **Indian Institute of Science (I. I. Sc.)**, Bangalore, K.A.
- **Jawaharlal Nehru Centre for Advanced Scientific Research (JN-CSIR)**, Bangalore, K.A.
- **UGC-DAE Consortium for Scientific Research**, Indore, M.P.

INTERNATIONAL COLLABORATIONS

- **National Dong Hwa University**, Taiwan
- **Dongguk University**, Seoul, S. Korea
- **Mie University**, Mie, Japan
- **Korea Electrotechnology Research Institute (KERI)**, Sungju-Dong, Changwon, South Korea
- **Chonnam National University**, Gwangju, South Korea
- **University of Ljubljana**, Ljubljana, Slovenia
- **Florida Solar Energy Centre**, F.S.E.C., U.S.A.
- **National University of Singapore**, N.U.S., Singapore
- **National Institute of Materials Science**, NIMS, Japan
- **Hanyang University**, ERICA campus, Ansan, South Korea
- **KITECH**, Gwangju, South Korea
- **Kyoto University**, Japan

REFREEE OF INTERNATIONAL AND NATIONAL JOURNALS

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|--|---|
| • Solar Energy Materials and Solar Cells | Crystal Research Technology |
| • Journal of Crystal Growth | Journal of Materials Science, |
| • Journal of Applied Physics | Solid State Ionics |
| • Journal of American Ceramic Society | Electrochimica Acta |
| • Applied Surface Science | Journal of Electroanalytical Chemistry |
| • Vacuum | Journal of Physics D: Applied Physics |
| • Materials Science and Engineering B | Acta Chimica Slovenica |
| • Applied Materials and Interfaces | Journal of Solid State Electrochemistry |

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- Journal of Chemical Engineering of Japan
 - *Indian Journal of Pure and Applied Physics*
 - *Nanotechnology*
 - Thin Solid Films
 - Materials Research Bulletin
 - Indian Journal of Materials Science and Engineering, India and many more

INTERNATIONAL CONFERENCE ORGANISED

- *Convened international conference, Advisory Committee Member, international conference: 13*
- *International conferences attended abroad: 04*

INVITED TALKS

- *Invited Talks (Scientific, Social, Motivational, Academic, Leadership at national and international level) more than 125*

CONSULATANCY

- *Kreton Pvt. Ltd, U. S. A.*
- *Ecoscience Innovations Pvt. Ltd., Pune*
- *Asian Paint Ltd., India*
- *Cera Flux Ltd., Kolhapur*