

• Personal Details

Name in Full: Mr. Mukesh Nimba Padvi
Designation: Assistant Director/Assistant Professor
Email: mnp.snst@unishivaji.ac.in
 padvi.mukesh@gmail.com
Address for Correspondence: School of Nanoscience and
 Technology, Shivaji University, Kolhapur
Permanent Address: Same as correspondence address
Education: M.Sc. (Physics), B. Ed., SET



• Academic Details

Examination	University	Month & Year of Passing	Principle Subject	Percentage
Bachelor's Degree (B.Sc.)	North Maharashtra University, Jalgaon	June 2008	Physics	86.00
Master's Degree (M.Sc.)	North Maharashtra University, Jalgaon	May 2010	Physics	86.00
Bachelor's Degree (B.Ed.)	North Maharashtra University, Jalgaon	June 2012		82.80
SET (Physics)	Pune University, Pune	June 2013	Physics	-
*Ph.D. (Perusing)	Shivaji University, Kolhapur	July 2015 (registered)	Physics	-

*** Title of Ph.D. Thesis:** "Synthesis and Characterization of Gold and Palladium sensitized ZnO thin films for gas sensing application"

• Teaching Experience

- **UG:** 06 Years, **PG:** 01 Year

• Research Specialization

Research Interest:

- ❖ Nanomaterials synthesis and its characterizations,
- ❖ Gas sensing
- ❖ Supercapacitor

• Research Project

Minor project: Project entitled “Nanoparticle sensitized 1D zinc oxide thin films for chemiresistive gas sensing application” [Cost 1.25 Lakhs]..

• Articles Published

1. Hydrothermal synthesis of NO₂ gas-sensitive and hydrophobic zinc oxide thin films
Journal of Materials Science: Materials in Electronics volume 32, pages3140–3154(2021) (IF:2.22), **M N Padvi**, N S Harale, P S Patil, S D Dhas, AV Moholkar.
2. Hydrothermal Assisted Synthesis of Micro-Bricks Shaped WO₃ for Electrochemical Oxidation of Paracetamol: A Microstructured Paracetamol Sensor, Russian Journal of Electrochemistry (Vol. 56, No. 9, pp. 766–774) (IF.1.063), B B Kamble, A K Tawade, P N Kamble, **M N Padavi**, K K Sharma, B D Ajalkar, S N Tayade.
3. Almond skin extract mediated optimally biosynthesized antibacterial silver nanoparticles enable selective and sensitive colorimetric detection of Fe⁺² ions, Colloids and Surfaces B: Biointerfaces (193 (2020) 111084) (IF: 4.389), P S Sadalage, R V Patil, **M N Padvi**, K D Pawar.
4. Bio-inspired synthesis of catalytically and biologically active palladium nanoparticles using Bos taurus urine, SN Applied Sciences, (doi.org/10.1007/s42452-020-2382-3) S R Prasad, **M N Padvi**, S S Suryawanshi, Y I Shaikh, L S Chaudhary, A P Samant, N R Prasad.
5. Bos taurus Urine Assisted Biosynthesis of CuO Nanomaterials: A New Paradigm of Antimicrobial and Antineoplastic Therapy, Micromolecular symposium, (DOI: 10.1002/masy.201900172), (IF: 0.68), **M N Padvi**, N G Hiremath, S R Prasad, A K Nayak, R A Bohara, Yasmin Attrar, A A Ramteke, Prashant Sarvalkar.
6. Survey on Status and Experience of Students for “Learn from Home” during COVID-19 Lockdown in April 2020, Journal of Research and Development, (103 -105) ISSN NO.- 2230-9578. **M. N. Padvi**, K. V. Khot, P. S. Patil and Y. Y. Patil.

• Poster Presented in Conferences

1. Poster presented in International Conference on International Conference on Multifunctional and Hybrid Materials for Energy and Environment (MHMEE2020)

(29/01/2020 to 31/01/2020) organized by Department of Physics and Astrophysics, Yashavantrao Chavan Institute of Science, Satara.

2. Poster presented in International Conference on “4th International Conference on Physics of Materials and Materials Based Device Fabrication” organized by Department of Physics Shivaji University, Kolhapur (10th and 11th Jan 2019).
3. Poster presented in International Conference on Nanotechnology addressing the convergence of Materials science, Biotechnology and Medical Science (Nov 9-11, 2017), organised by D.Y. Patil University, Kolhapur.
4. Poster presented in National Conference on recent trends in Nanomaterials (NCRTN-2017) (28th Sept 2017) organised by YCIS, Satara.

● Conference/Workshop/ Short Term Course Attended

1. Participated in One Day workshop on “Research Methodology” organized by Depart of English Shivaji University, Kolhapur (18 th Jan 2020).
2. Seminar on Skill development for Career Building (2nd Feb, 2018) organized by IGEC, Mysore, Centre for skill & Entrepreneurship Development, SUK and School of Nanoscience and Technology SUK.
3. One Day workshop on Advanced Tools in Cellular analysis and Analytical technology (6th April, 2018) organized by SNST SUK.
4. One Day workshop on Interview Techniques (9th April, 2018) organized by Department of Chemistry SUK.
5. One Day workshop on Scientific writing (31 Jan, 2018)
6. One Day workshop on Intellectual Property rights (10/03/2018) organized by Department of Chemistry SUK.
7. Workshop on Solution from synthesis to Characterization (March 26-27, 2018) organized by Department of Chemistry SUK.
8. Two-day workshop on Reduction of Neo-natal Mortality /All Children in School and Learning / Migration / Wash (Sept 15th -16th, 2017) organized by Department of Journalism and Mass communication, SUK.
9. One Day workshop on Secured remote paper delivery (19/09/2017) organized by Exam section, SUK.
10. One Day workshop on Skill development (29-09-2017) organized by Department of Chemistry SUK.
11. Participated in One Day University level software Training Workshop held on 2nd July

- 2016 on “NSS Web Portal- Avyukta” for NSS Programme Officers and Volunteers, Organized by Department Of NSS, SUK.
12. Participated in One Day Seminar held on 08/08/2016 on the Sahityaratna ‘Annabhau Sathe’ in Sahityaratna Annabhau Sathe Adhyasan Kentra, Shivaji University Kolhapur.
 13. Participated in One Day University Workshop held on 21st Oct 2016 on Digital India.
 14. General Orientation Programme organized UGC – HRD Center Savitribai Phule Pune University, Pune and Department of Technology, Shivaji University, Kolhapur (02 to 29 Dec 2016).
 15. Participated in One Day Workshop held on 8th March 2017 on the “Contribution of Men in the Prevention of Violence against Women” in the Centre for Women’s Studies, Shivaji University, Kolhapur.
 16. Participated in One Day Workshop held on 6th May 2017 on Formulation of Research Proposal for the Scheme “Assistance for S and T Application Through University System” implemented by RGSTC, Govt of Maharashtra in Shivaji University, Kolhapur.
 17. Participated in National conference on Emerging Trends in Electronics and Computer Science organized by Department of Electronics, Shivaji University, Kolhapur (ETECS – 2015).
 18. Attended Teacher Orientation Programme organized by Dept. of Education, Shivaji University, Kolhapur, 2nd and 3rd September, 2014.

• Any other academic contribution

- Member of BOS Sub-Committee
- Rector of Boy’s Hostel School of Nanoscience and Technology, SUK (2017-2020).
- Department’s Coordinator of Examination (Since 2018)
- Worked as Member of National Board of Accreditation (NBA) at Department of Technology.
- Department’s Placement Officer of the School of Nanoscience and Technology.
- Department Program officer of NSS (Chairman)
- Department’s Sports Coordinator (Since 2014)
- Department Nodal officer of Election commission of India (Since 2016)

Worked in Department Committees.

- Suggestion and complaint committee, Annual report committee, Placement committee
- Scholarship committee, Hostel committee, Guardian faculty committee.