

**Dr. Mudasir Ahmad Mir****Date: 19/02/2024**

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E-mail : [mirphy\\_phd@nitsri.net](mailto:mirphy_phd@nitsri.net)[mudasir.mir@smvdu.ac.in](mailto:mudasir.mir@smvdu.ac.in)**Date of Birth- 05/04/1993****ACADEMIC RECORD**

<i>Class</i>	<i>Board/University</i>	<i>Subject</i>	<i>Year</i>
<b>Ph. D.</b>	NIT Srinagar	Physics (Material Science)	2017-2021
<b>M. Sc</b>	University of Kashmir	Physics	2013-2015
<b>B. Sc</b>	University of Kashmir	Physics. Math. Electronics, Eng.	2010-2013
<b>Intermediate</b>	J&KSBOSE	Physics. Math. Chem. Eng.	2008-2010
<b>Matriculation</b>	J&KSBOSE	Math, Urdu, GSc., SSc. Eng,	2007

**Topic of Ph. D Work*****Design and Development of Humidity Sensor Based on Porous Alumina******Under the joint supervision of******Dr. M. A. Shah and Dr. P. A. Ganai*****NATIONAL LEVEL EXAMS QUALIFIED**

<i>Exam</i>	<i>Conducted by</i>	<i>Roll Number</i>	<i>Year</i>
<b>National Eligibility Test (NET)</b>	CSIR	535363	June, 2018
<b>Graduate Aptitude Test in Engineering (GATE)</b>	IISc, Bangalore	PH16S23053079	2016
<b>JK State Eligibility Test (SET)</b>	University of Kashmir	1050400	March, 2018

**Subjects Taught**

- ✓ *Elementary Statistical Mechanics to B.sc 5<sup>th</sup> Semester*
- ✓ *Classical Mechanics to M.sc 1<sup>st</sup> Semester*
- ✓ *Mathematical Physics-II to M.sc 2<sup>nd</sup> Semester*
- ✓ *Statistical Mechanics to M.sc 4<sup>th</sup> Semester*

**TEACHING EXPERIENCE**

Designation	University	Pay Band	Period of Experience	
			From Date	To Date
Assistant Professor	Department of Physics, Central University of Kashmir (CUK)	40,000/- INR	15 September, 2021	02 December, 2021
Assistant Professor	Department of Physics, Shri Mata Vaishno Devi University (SMVDU).	70, 000/- INR	03 December, 2021	02 October, 2022
Assistant Professor	Department of Physics, Shri Mata Vaishno Devi University (SMVDU).	70, 000/- INR	04 October, 2022	03 September, 2023
Assistant Professor	Department of Physics, Shri Mata Vaishno Devi University (SMVDU).	70, 000/- INR	05 September, 2023	Till date

**RESEARCH PUBLICATIONS**

- 1) Mir, M. A., M. A. Shah, and P. A. Ganai. "Nanoporous anodic alumina (NAA) prepared in different electrolytes with different pore sizes for humidity sensing." *Journal of Solid State Electrochemistry* 24 (2020): 1679-1686. (IF 2.674)
- 2) Mir, M. A., M. A. Shah, and P. A. Ganai. "Dielectric study of nanoporous alumina fabricated by two-step anodization technique." *Chemical Papers* 75, no. 2 (2021): 503-513. (IF 2.097)
- 3) Mir, M. A., M. A. Shah, and P. A. Ganai. "Effect of etching on nanoporous anodic alumina." *Iranian Journal of Science and Technology, Transactions A: Science* 43, no. 5 (2019): 2651-2655. (IF 1.194)
- 4) Ganai, P. A., Mir, M. A., IdeedRafiqi, and Nadeem Ul Islam. "Chern–Simons theory in aethersuperspace." *Modern Physics Letters A* 32, no. 39 (2017): 1750214. (IF 2.066)
- 5) A. M. Tantray, J. F. Mir, Mir, M. A., and M. A. Shah. "Random Oriented ZnO Nanorods Fabricated through Anodization of Zinc in KHCO<sub>3</sub> Electrolyte." *ECS Journal of Solid State Science and Technology* (2021). (IF 2.070)
- 6) Bhat, S. A., Ahmad, R., Biswas, P., Kour, P., Attri, R., & Mir, M. A. (2022, November). Synthesis and Spectral Study of Ce<sup>3+</sup> Activated Sr<sub>3</sub> (VO<sub>4</sub>)<sub>2</sub> Nanophosphor. In *International Conference on Nanotechnology: Opportunities and Challenges* (pp. 401-406). Singapore: Springer Nature Singapore

**CONFERENCES ATTENDED**

**Poster Presentation in:** International Conference on Advanced Materials (ICAM-2019) organised by Centre for Nanoscience and Nanotechnology, Jamia Millia Islamia, New Delhi from 6<sup>th</sup>-7<sup>th</sup> March, 2019 on "Comparative study on Raman spectra of nanoporous anodic alumina (NAA) fabricated in different electrolytes".

**Poster Presentation in:** International Conference on “Nanotechnology for Better Living (*ICNBL-2019*)” Jointly organised by NIT Srinagar and IIT Kharagpur from **7<sup>th</sup> to 8<sup>th</sup> April, 2019** on "Effect of purity of aluminum foil on hexagonal cell structure in porous alumina".

**Poster Presentation in:** International Conference on “Nanotechnology for Better Living (*ICNBL-2019*)” Jointly organised by NIT Srinagar and IIT Kharagpur from **7<sup>th</sup> to 8<sup>th</sup> April, 2019** on "Quantum dot qubits for quantum information".

**Oral Presentation in:** International Conference on Nanoscience and Nanotechnology (*ICONN 2021*) organized by Department of Physics and Nanotechnology, (*SRM IST*), India from **1<sup>st</sup>-3<sup>rd</sup> February, 2021** on “Design, Development and Contrivance of Humidity Sensing of Porous Alumina Fabricated in Different Acids”.

**Oral Presentation in:** International Conference on Recent Trends in “Engineering, Technology, Agriculture, Applied sciences, Humanities and Business Management for Sustainable Development, (*ETAHBS-2018*)” organized by The Department of “Metallurgical and Materials Engineering”, NIT Srinagar, Jammu and Kashmir and Krishi Sanskrit, New Delhi from **20<sup>th</sup>– 21<sup>st</sup> October, 2018** on “Synthesis of Nanoporous Anodic Alumina (NAA) by Single Step Anodization in Oxalic Acid”

#### *WORKSHOPS/SEMINARS ATTENDED*

**Participated in:** TEQIP-III sponsored one week short term course on “Materials Characterization Techniques” organized by Department of Physics, National Institute of Technology (NIT), Srinagar from **24<sup>th</sup> – 28<sup>th</sup> June, 2019**

**Participated in:** TEQIP-III sponsored one week short term course on “Recent Advances in Nanoscience and Nanotechnology (*RANN-2020*)” organized by Department of Physics, National Institute of Technology (NIT), Srinagar via online mode from **24<sup>th</sup> – 28<sup>th</sup> August, 2020**

**Participated in:** two days workshop on “Arduino for Physics Experiments” organised by School of Physics, Shri Mata Vaishno Devi University in collaboration with IIT Bombay held during **18-19 January, 2024** at SMVDU

#### *DECLARATION*

I declare that the information furnished above is true and authentic to the best of my knowledge and belief.

Mudasir