

Date: 14/11/24**Dr. Mudasir Ahmad Mir**

R/O: D. K. Pora, Shopian

District: Shopian

State: Jammu and Kashmir, India

Pin: 192303

Mob. : +91-9682530857

E-mail : mirphy_phd@nitsri.netmudasir.mir@smvdu.ac.in**Date of Birth- 05/04/1993****Current Position:** Working as Assistant Professor (Contractual) in the Department of Physics of **Shri Mata Vaishno Devi University (SMVDU)** since 03/12/2021**ACADEMIC RECORD**

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

Topic of Ph. D Work***Design and Development of Humidity Sensor Based on Porous Alumina*****NATIONAL LEVEL EXAMS QUALIFIED**

<i>Exam</i>	<i>Conducted by</i>	<i>Roll Number</i>	<i>Year</i>
National Eligibility Test (NET)	CSIR	535363	June, 2018
Graduate Aptitude Test in Engineering (GATE)	IISc, Bangalore	PH16S2305307 9	2016
JK State Eligibility Test (SET)	University of Kashmir	1050400	March, 2018

Courses Taught

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

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.**, Ideed Rafiqi, 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 KHCO₃ 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 Ce³⁺ Activated Sr₃(VO₄)₂ 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 **6th-7th 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 **7th to 8th 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 **7th to 8th 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 **1st-3rd 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 **20th– 21st 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 **24th – 28th 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 **24th – 28th 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.