

Curriculum Vitae



Dr. Rahul Kumar Mishra

Assistant Professor, Department of Applied Science & Humanities

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Academic Qualifications:

- **Ph.D. (Physics)** in 2025 from **V.B.S.P.U. JAUNPUR U.P.** by qualifying “**PUCRET**” and the research centre was “**SHIBLI NATIONAL COLLEGE AZAMGARH U.P.**”.
- **B.Ed.** in 2017 with **74%** from “**N.P.G. College Barahalganj**” affiliated to D.D.U GORAKHPUR UNIVERSITY U.P.
- **M.Sc. (Physics)** in 2015 with **59.16%** from “**M.G.P.G. COLLEGE GORAKHPUR**”, affiliated to D.D.U. GORAKHPUR UNIVERSITY GORAKHPUR U.P.
- **B.Sc. (Mathematics)** in 2013 with **54.95%** from “**N.P.G. College Barahalganj**” affiliated to D.D.U. GORAKHPUR UNIVERSITY GORAKHPUR U.P.

Teaching Experience:

Total 10 years of teaching experience as :

- **Assistant Professor, Department of Applied Science & Humanities “KIPM College of Engineering & Technology”** joining from **7 April 2025 to till date**.
- **Assistant Professor, Department of Physics “N.P.G. College Barahalganj”** Gorakhpur during July 2016 - June 2023.
- **Managing** my own institute “**R.K.M. Physics Point**”(For B.Sc.),Barahalganj Gorakhpur during July 2016 - June 2020.
- **Part time Physics lecturer (C.B.S.E.)** at 10+2 level in “**A.K. Memorial Jhumila-Bazar Barahalganj**” Gorakhpur during April 2022-March 2023.
- **Part time Physics Lecturer (C.B.S.E.)** at 10+2 level in “**N.B.M. Barahalganj**” Gorakhpur during April 2023-March 2024

Important Information Related to Ph.D.

Research Topic: “MANY BODY ASPECTS ON LATTICE DYNAMICAL ELASTIC AND THERMAL PROPERTIES OF SILICENE”.

Published ResearchPapers :

- **Rahul Kumar Mishra**, Mohammad Imran Aziz, MANY BODY ASPECTS OF LATTICE DYNAMICAL, ELASTIC AND THERMAL PROPERTIES OF SILICENE, “EUROPEAN CHEMICAL BULLATEIN 2022,11 (Regular Issue 12),4105-4117, DOI: 10.53555/ecb/2022.11.12.370
- **Rahul Kumar Mishra**, Mohammad Imran Aziz, “STRUCTURE AND LATTICE DYNAMICS OF SILICENE BY DENSITY FUNTIONAL THEORY”, JOURNAL OF EMERGING TECHNOLOGIES AND INNOVATIVE RESEARCH (JETIR) ISSN:2349-5162,Vol 11,Issue 3, page no.ppa314-a319, March-2024, available at:<http://www.jetir.org/papers/JETIR2403041.pdf>
- Mohammad Imran Aziz, Khan Ahmad Anas, **Rahul Kumar Mishra**, Nafis Ahmad, “MANY BODY ASPECTS ON THE LATTICE VIBRATIONAL PROPERTIES OF GERMANENE AND SILICENE ALONG HIGHLY SYMMETRY DIRECTIONS” Samriddhi:A journal of Physical Sciences, Engineering and Technology: Vol15No 03 (2023) 23/09/30 DOI:<https://doi.org/10.18090/samriddhi.V15i03.12>
- Kamlesh Kumar, Mohammad Imran Aziz, Khan Ahmad Anas, **Rahul Kumar Mishra**. A Theoretical Framework of Elastic, Thermo-Physical Properties of the Monolayer Stanene, American Journal of Nanosciences. Volume 8, Issue 3, September 2022, pp. 37-42. Doi :[10.11648/j.ajn.20220803.12](https://doi.org/10.11648/j.ajn.20220803.12)
- Kumar, K., Imran Aziz, M. & **Mishra, R. K.** Study of Lattice Vibrations of the Stanene Along Highly Symmetry Directions. Nanosistemi, Nanomater. Nanotehnologii 21, 1–8 (2023). <https://doi.org/10.15407/nnn.21.01.001>

Research Papers Presentation in Conferences:

- **Poster session** on the title “**Many Body Interaction, Honeycomb Like Structures of 2D Materials**”, in the “National Symposium On Advanced Materials Science” jointly organized by **DeenDayalUpadhyaya Gorakhpur University Gorakhpur U.P. india**, during December 7th-8th, 2018
- **Oral presentation** on the title “**A Complete Study of Elastic and thermal Properties of Silicene**” in the three days “International Conference on Advancement in Interdisciplinary Research (ICAIR-2021)” Jointly Organized By **ShiaP.G.CollegeLucknow, U.P. India**, during October 26th-28th, 2021
- **Oral presentation** on a paper titled “**Computational Analysis of Debye Temperatures Variation of Silicene**” in the Second National Conference on “Computational and Characterization techniques In Engineering & Science (CCTES-2023)” organized by department of Applied Science & Humanities, **Rajkiya Engineering College, AmbedkarNagar,U.P.** during February 27th-28th,2023
- **Poster session** on the title “**Silicene Nanoribbon**” in the international web conference on “Advanced Material Science & Nanotechnology(NANOMAT-2020) organized by Dep. of Physics, **Vinayak Vidnyan Mahavidyalaya Nandgaon Khandeshwar, Dist-Amravati Maharastra India** during 20th -21stJune 2020.

Attended Webinars:

- Participated in a five days Webinar series on “**Advances in Materials Science and Technology (WSAMST-2020)** held during 22-26 June 2020 by the Department of Applied Sciences and Humanities (Physics) School of Engineering, **University of Petroleum and Energy Studies, Dehradun.**
- Participated in a two days Webinar on “**Recent Developments in Materials Science**”held during 2-3 June 2020 by the Department of Physics **St. Andrew’s College Gorakhpur.**

I.T. Skills:

- **MS-OFFICE, MATLAB, PYTHON PROGRAMMING, QUANTUM ESPRESSO.**

Personal Information:

- **Father's Name** :Mr. Satish Chandra Mishra.
- **Mother's Name** :Mrs. Mira Devi.
- **DOB** :01/07/1992
- **Address:**Vill-Lakhnapar, Po-Bhatpar(Barahalganj, 273402) Gorakhpur.

Declaration:

I hereby declare that the details mentioned above are true and correct to the best of my knowledge and belief.

Date: 7.01.2026

Place: Gorakhpur.