

CURRICULUM VITAE

DR MANOJ KUMAR

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Present Position

Feb 1999 – Till Date

ASSISTANT PROFESSOR, DEPARTMENT OF PHYSICS & NODAL OFFICER EXAM CUM
PROF. IN CHARGE OUTREACH

Muzaffarpur Institute of Technology, Muzaffarpur
(Department of Science, Technology & Technical Education, Govt. of Bihar)

Name	Dr. Manoj Kumar
Department	Department of Applied Sciences, Muzaffarpur Institute of Technology, (UNDER DSTTE, BIHAR)
Designation	ASSISTANT PROFESSOR, PHYSICS & NODAL OFFICER EXAM CUM PROF. IN CHARGE OUTREACH
Phone Number	+91-9931404828
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Postal Address	C/o Prof. Mithilesh Sharma, Chakkar Ground, Muzaffarpur, 842001-BIHAR
Qualifications	Ph.D., Atomic and Molecular Physics M.Sc., Physics (Radio Physics & Electronics)
Subject Expertise	Atomic Physics, Molecular Physics, Nano Physics
Area of Research	Atomic Physics, Molecular Physics, Nano Physics
Research Supervision	Successfully guided 2 Research scholar leading to Ph.D. Degree
Professional Experience	25 Years of Teaching & Research
ADMINISTRATIVE EXPERIENCE	1 Assistant Registrar Cum Prof In Charge Outreach MIT Muzaffarpur 2024 2 Bursar, RRSD College of Engineering, Begusarai. 2019-2020 3 Assistant Centre Superintendent(Exams, RRSD College of Engineering, Begusarai. 2018-2019 4 Assistant Registrar, MIT Muzaffarpur 2007-2009

List of Publications	1 Oscillator Strengths of P V, S VI, Cl VII, Ar VIII, & K IX, Nuovo Cimento (1993) 2 Theoretical investigation of Complex atomic Ions, IJP (1995) 3 Importance of Optical Oscillator Strengths with special reference to some Ions, BPAS (2012) 4 Nano Science: The Game Changer of Future Technology, (2019) JGRS 5 Theoretical account of ionizing Collisions & Detections of Electrons, KIJSET (2020) 6 Study of Ionization and its effect on fast Atomic Particles, KIJSET (2020) 7 Study of The Loss of Energy of Microwave Propagation Through Microstripline Structure, IJSRST(2025) 6 Study of Planar Transmission Structure, IISTJ (2026)
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ConferencesPaper Presented/ Orientation Course/Refresher Course/STTP/WORKSHOPS/FDP/ WEBINARSParticipations	1. A New Procedure for CI Calculation: International Conference on Atomic and Molecular Physics, 3-7 August 1992, Munich, Germany 2. Forcing the collapse of atomic wave function. 9th National conference on Atomic and Molecular Physics, 14-18 December 1992, BARC, Bombay 3. Recent Development in the calculation of Oscillator strengths. CURTAMP, 21 - 23 December 1993, BARC, Bombay. 4. High Precision Calculation in Atomic and Molecular Physics, National conference in Atomic and Molecular Physics, 07-11 March 1995, CCU, Meerut. 5. UGC sponsored 28 Days Orientation course from 7th Sep 1999 to 4th Oct 1999 organized by BBABU, Bihar University, Muzaffarpur. 6. Vaigyanic and Takneeki Shabdaavali Aayog, (HRD) sponsored Shabdavali Kaaryashaala from 3 - 5 December 2003 at BRABU, Muzaffarpur. 7. Transition Probabilities and Oscillator Strengths for the Inner Shell Excitation in Ca⁹⁺ and Sc¹⁰⁺ Ions of Sodium Isoelectronic Sequence. National Conference on Atomic and Molecular Physics, 03-05 December 2003, B R A Bihar University, Muzaffarpur. 8. AICTE-ISTE STTP (16-27 February 2004) on "Recent Trends in Educational Technology and its Management for Technical Teachers in India" at Muzaffarpur Institute of Technology, Muzaffarpur 9. High precision Calculation and their complexities in Atomic and Molecular Physics, 17th National conference on Atomic and Molecular Physics, 10-13 February 2008 New Delhi.
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	10. UGC sponsored Refresher course in Physics from 31st March 2011 to 20th April 2011 organized by B R Ambedkar, Bihar University, Muzaffarpur. 11. "Making Indian Engineering world class "Forty Seventh Engineers Day Seminar Organized by The Institution of Engineers (India) 15th Sep 2014 Muzaffarpur. 12. 2-Week Course on "Design of Question Bank for Effective Implementation of Technical Curriculum organized by National Institute of Technical Teachers Training and Research Kolkata from 16 - 26 January 2017. 13. The 11th Asia Pacific conference on Sustainable Energy & Environmental Technologies 6 – 10 March 2017, B.R.A Bihar University, Muzaffarpur. 14. 13th International conference on Multidisciplinary approach to Sustainable development of Desert and Arid areas, 12 – 16 March 2018, Pudducherry. 15. Nanoscience: The game changer of future Technology (A Brief Review) National Conference on "Recent Trends in Research in Applied Sciences, An Interdisciplinary approach" 6 - 7 December 2018, Ranchi University. 16. Workshop on "Linux and Opensource Software (2 – 6 Jan 2019), Muzaffarpur Institute of Technology, Muzaffarpur sponsored by TEQIP III, SPIU, Bihar. 17. Webinar on "Dark Matter: An Introduction (24th July 2020)" organized Under TEQIP III, SPIU, Bihar (2020). 18. Webinar on "Motivation for Research & Innovation" (25th July 2020) organized under TEQIP III, SPIU, Bihar (2020). 19. STTP under ATAL Scheme of AICTE on Technology Management (21 - 25 September 2020) 20. STTP under NITTTR, Bhopal on "Hands on training on SAR filling of NBA Accreditation" (12th - 16th July 2021) 21. STTP under NITTTR, Kolkata on "NBA & SAR Preparation" (24th - 28th July 2023) 22. One Week workshop on "Industry 4.0: Future Manufacturing Trends And Digitization"(29th Feb to 3rd March) 2024
Memberships	1. Life Member, Indian Society for Technical Education, New Delhi 2. Life Member, Indian Association of Physics Teachers