

CURRICULUM VITAE

PERMANENT ADDRESS:

S/O Mr. RAJENDRA PRASAD

H. No. B-8, Sector-J, Aliganj, Lucknow- 226024,

U.P., India

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Dr. Narendra Nath

CAREER OBJECTIVE:

- ❖ Looking for a suitable position where I can utilise my understanding of science and experience for the organisation as well as my career growth.

ACADEMIC QUALIFICATION:

Doctorate Degree:

- ❖ Ph.D.(Physics) 2025, Department of Physics, University of Lucknow, Lucknow, India

Post Graduate Degree:

- ❖ Completed M.Sc. (Physics) in 2008 from UNIVERSITY OF LUCKNOW, LUCKNOW (U.P.) India with 70.67%.

Bachelor's Degree:

- ❖ Completed B.Sc. (PCM) in year 2006 UNIVERSITY OF LUCKNOW, LUCKNOW (U.P.) India with 61.89%.

Intermediate:

- ❖ Passed from U.P. Board, Allahabad, in 2003 from D S INTER COLLEGE, Lakhimpur Kheri (Science group) with 70.00%.

High School:

- ❖ Passed from U.P. Board, Allahabad, in 2001 from D S INTER COLLEGE, Lakhimpur Kheri (Science group) with 68.00%

TEACHING EXPERIENCE:

- ❖ Working as an Assistant Professor at TECHNO INSTITUTE OF HIGHER STUDIES,

Lucknow

- ❖ Worked as an Assistant Professor (Part Time) in **Department of Science (Physics), LUCKNOW PUBLIC COLLEGE OF PROFESSIONAL STUDIES**, Vinamra Khand, Gomti Nagar, **Lucknow-226010** (Three academic session form **2016 to 2019**.)
- ❖ Worked as an **Assistant Professor** (Full Time) in **Faculty of Science (Physics), HEERALAL YADAV BALIKA DEGREE COLLEGE**, Sarojini Nagar, Kanpur road **Lucknow** (One academic session form **2015 to 2016**.)
- ❖ Working as an **ad-hoc Lecturer** (On contract/ Part Time) in **Department of Physics, PIONEER MONTESSORI DEGREE COLLEGE** Ruchi Khand–I (Sharda Nagar) Lucknow (Six academic session form **2009 to 2015**)

RESEARCH AREAS:

Thermodynamics, Heat & Mass Transfer, Applied / Experimental Physics, Fluid Dynamics, Fluid Flow, Thermal Properties, Applied, Thermodynamics, Engineering Thermodynamics, Acoustics Intermolecular Interactions, Applied Physics, Fluid, Thermal Engineering.

RESEARCH PUBLICATIONS:

- [01] Densities and volumetric properties of pyridine with 2-dimethylaminoethanol and 2-diethylaminoethanol at temperatures from 293.15 to 313.15 K; **Narendra Nath**, Anjali Awasthi, Swati Dwivedi, Vaibhav Sharma, AasheesAwasthi, *Physics and Chemistry of Liquids*; (2024) DOI: 10.1080/00319104.2024.2326108
- [02] Viscometric studies of molecular interactions in binary liquid mixtures of pyridine with 2-dimethylaminoethanol/2-diethylaminoethanol at different temperatures; **Narendra Nath**, Anjali Awasthi and Aashees Awasthi, *Physics and Chemistry of Liquids*; (2025) DOI: 10.1080/00319104.2025.2469217

Communicated Research Articles:

- [01] *Ultrasonic and spectroscopic studies of pyridine with 2-dimethylaminoethanol and 2-diethylaminoethanol liquid mixtures* **Narendra Nath**, Anjali Awasthi and Aashees Awasthi. *Physics and Chemistry of Liquids* (Feb 2026)
- [02] Acoustic investigation of binary liquid mixtures of methyl cyanide with alkyl acrylates at 293.15, 303.15, and 313.15 K at environmental pressure, **Narendra Nath**, Puneet Kumar Pandey, *Revelation* (Jan 2026)

International Conference Papers:

- [01] Optical study of binary mixtures of Formamide with different Carboxylic Acids at various temperatures. **Narendra Nath**, Swati Dwivedi, Vaibhav Sharma, Anjali Awasthi, Aashees Awasthi; **Recent Trends in Materials Science and its Applications (2023)** ISBN: 978-93-95463-02-7
- [02] Study of refractive index of binary mixtures of diethanolamine / triethanolamine with N-methyl-2-pyrrolidone and related parameters at different temperatures; **Narendra Nath**, Swati Dwivedi, Vaibhav Sharma, Anjali Awasthi, AasheesAwasthi; **Advancement in Physical Sciences(2022)** ISBN: 978-93-95463-00-3

BOOK CHAPTER:

Acoustic Investigation in Liquid Systems, *Innovations in Materials Science: Design, Synthesis, and Applications*, Vol. 6 (2026), **Narendra Nath**, Puneet Kumar Pandey, Dheeraj Kumar pandey (in Process...)

CONFERENCES:

- ❖ Certificated in International Conference on ‘**Bridging Disciplines through Chemical Sciences for a Sustainable Future**’ ICBDCSSF-2026 funded by **Anusandhan National Research Foundation (ANRF) DST-SERB**, 13-14 Feb, 2026.
- ❖ Certificate of presentation on ‘Analysis of acoustic non-linearity in different ecologically important binary liquid systems at various temperatures’ in international conference on “**VIKSIT BHARAT@2047: THE ROLE OF INDIAN KNOWLEDGE SYSTEMS**” organised by Ganga Singh College, Chapra & Co-sponsored by IQAC, Ganga Singh College, 28 Sept, 2024

ORIENTATION PROGRAMMES:

- ❖ Participation in **NEP 2020 Orientation & Sansitization Programme** under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) organised by UGC-MMTTC, University of Lucknow, MMC-105-2024-DEC-B_01864, 21-31 Dec 2024

SEMINARS:

- ❖ **National Seminar on Application of Vibrational Spectroscopy** ” organised by Department of Physics, SRM Institute of Science and Technology, Chennai, Tamil Nadu, 29 Aug 2020

WORKSHOPS:

- ❖ Seven-day National e-workshop on “**Technological Tools and their Management on Online Teaching**” organised by Mahatma Jyotiba Phule Rohilkhand University, Bareilly, Uttar Pradesh, 14-21 Aug, 2020
- ❖ “**Three-day International online Workshop on Data Analysis using Python**” organized by the Department of Statistics, University of Lucknow, Lucknow, 31 Aug – 2 Sept, 2020
- ❖ 4 days Online National Awareness Workshop on UGC-DAE CSR facilities organised by UGC-DAE Consortium for Scientific Research, Mumbai Centre and Swayam Cell, HNB Garhwal University, Srinagar, Garhwal, Uttarakhand. 09-12 Nov, 2020
- ❖ International workshops on “**Bringing Ethnography and Marketing Together Qualitative research in Business Studies**” organized by School of Management, BabuBanarasi Das University, Lucknow, 07 Sept, 2020
- ❖ “**Synthesis and Characterisation of Nano-materials and their Novel Applications**” organized by Department of Physics, R. K. Valley, Rajiv Gandhi University of Knowledge Technologies, Andhra Pradesh, 17-19 Aug, 2020
- ❖ Participated workshop on **MATLAB** organized by the Department of Physics, University of Lucknow and executed by CETPA INFOTECH PVT. LMT., 17-19 Oct, 2019
- ❖ Workshops on “**High-Performance Computing (HPC)**” organized by the Department of Physics, University of Lucknow, Lucknow, 05-09 Aug, 2019
- ❖ Workshops on “**Applications of Gaussian and GaussView Software**” organized by the Department of Physics, University of Lucknow, Lucknow, 18-19 Jul, 2019

WEBINARS:

- ❖ Webinars on “**One-day Webinar on Data Analysis in R using STATCRAFT**” organized by Department of Statistics, University of Lucknow, 13 Aug, 2020
- ❖ “**Biomedical Application on Raman Spectroscopy**” organised University of Lucknow, 11 May, 2020
- ❖ Participation in **DST-SERB School on “Photonics Phenomena, Materials and Devices**” at Crystal Growth Centre, Anna University, Chennai, Tamil Nadu (Performed as a Group Leader), 02-21 Dec, 2019

- ❖ **“National Webinar on Re-skilling of Teachers in View of New Education Policy-2020”** organized by FAA Government PG College Mahmudabad, Sitapur, Uttar Pradesh, 3 Sept, 2020
- ❖ One-day national webinar on **“Energy Crisis: Long-term Solutions”** organized by the Department of Physics, Swami Shukdevanand College, Shahjahanpur, UP and ShriLalBahadurShashtri Degree College, Gonda, Uttar Pradesh, 08 Nov, 2020
- ❖ **“COVID- 19 Pandemic and Co-infections: Challenges, Perspective Treatments and Societal Impact ”** organised by Department of Microbiology, Raiganj University, 31 Aug, 2020

STRENGTHS:

- Creative and strong coordinating capabilities.
- Self-motivated, hard-working.
- Soothing communication skills.

TECHNICAL SKILLS:

- **Operating Systems:** MS-DOS, Windows 7, XP, 10
- **Software:** Origin Pro 8.5, GaussianView16 & Gaussian Software, MATLAB
- **Computer skills:** MS PowerPoint, MS Word , MS Excel, CCC, O-Level
- **Computer Language known:** R, Python

PERSONAL PROFILE:

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|-----------------------|---|--------------------------------|
| Father’s Name | : | Shri Rajendra Prasad |
| Mother’s Name | : | Late Smt. Savitree Devi |
| Date of Birth | : | 13 th February 1987 |
| Gender | : | Male |
| Religion | : | Hindu |
| Nationality | : | Indian |
| Language Known | : | English, Hindi |
| Marital Status | : | Unmarried |

REFERENCES:

1. Prof. Aashees Awasthi

(Professor),

Department of Physics

University of Lucknow-226007

Mobile: 94150 03753

2. Prof. Anchal Srivastava

(Professor)

Department of Physics

University of Lucknow-226007

Mobile: 94522 66404

DECLARATION:

I hereby declare that the mentioned information is true to the best of my knowledge and I take the responsibility for the correctness of the given particulars.

Dated:

Place: Lucknow

(Dr. Narendra Nath)