

CURRICULUM VITAE

Dr. Ankur Srivastava

Email id: ankursrivastava6001@gmail.com

Mobile No.: +91 95543 96001



Personal Details:

Date of Birth : 31/01/1991

Gender : Male

Father Name : Sri Ghanshyam Srivastava

Mother Name : Smt Kusum Lata Srivastava

Address : Village- Khondhupur , Post- Sihipur, District Ayodhya, Uttar Pradesh
224205 (INDIA)

Academic Qualifications:

- ❖ **Ph.D. in Electronics (2024)**, Department of Physics and Electronics, Dr. Rammanohar Lohia Avadh University Ayodhya, Uttar Pradesh, India
Thesis Title: *Optical, Electrical and Thermodynamical Studies of Nano-Particle Doped Liquid Crystals*
Supervisor : Dr. Anil Kumar
Co-Supervisor : Dr. Anoop Kumar Srivastava
- ❖ **B.Ed. in Science and Math Teaching (2015)**, with first division in Theory and Practical (75.9%) from Dr. Rammanohar Lohia Avadh University Ayodhya.
- ❖ **M.Sc. in Electronics (2012)**, with first division (60.06%) from Department of Physics and Electronic (Campus), Dr. Rammanohar Lohia Avadh University Ayodhya.
- ❖ **B.Sc. in PCM group (2010)**, with first division (62.77%) from Dr. Rammanohar Lohia Avadh University Ayodhya.
- ❖ **Intermediate (10+2) in Math Stream (2007)**, with first division (63.6%) from S.A.I.C. Khaparadih Faizabad, Board of High School and Intermediate Education U.P.
- ❖ **High School (10th) in Math Stream (2005)**, with first division (66.8%) from S.A.I.C. Khaparadih Faizabad, Board of High School and Intermediate Education U.P.

Other Qualifications:

- ❖ **Project fellow** in the UP Higher Education Department under the COE scheme Gov. of Uttar Pradesh 2022(RMLAU/Physics/COE/2022/01) **October 11, 2022.**

- ❖ CTET Qualified (Junior and Primary level), September-2016, December-2018 and January-2021.
- ❖ BSTET, 2024 (First) Physics (10+2) Qualified.
- ❖ Course on Computer Concept ‘CCC’ (NIELIT), Grade B, August 2018

Computer Skill:

Operating System: windows variant, MS office
 Origin Software
 ChemSketch
 Zotero
 Mendeley

Teaching Experience:

- ❖ Guest faculty (Physics and Electronics) at Dr. Ashok Smarak P.G. College Akbarpur, Ambedkar Nagar affiliated by Dr. R. M. L. Avadh University Ayodhya since **August 2012 to June 2014.**
- ❖ Guest faculty (Physics and Electronics) at Dr. Ashok Smarak P.G. College Akbarpur, Ambedkar Nagar affiliated by Dr. R. M. L. Avadh University Ayodhya since **September 2015 to April 2021.**
- ❖ Guest faculty (Physics) at Dev Indravati P.G. College Katehari, Ambedkar Nagar affiliated by Dr. R.M.L. Avadh University Ayodhya since **June 2021 to September 2022.**

Research area:

Material Science-Condensed Matter (Soft Material- Liquid Crystals and Nanomaterials)

Instruments Handling:

In the session of Ph.D. program various tools and techniques are used;

- Polarizing Optical Microscope (POM “Censico”)
- Impedance Analyzer (Newtons4th ltd PSM3750 with IAI2 Interface)
- Temperature Controller mK2000 (INSTECH)
- Multifunctional Ultrasonic Cleaner (Athena)
- Spin Coater (SpinNXG-P1) for thin film fabrication
- DC electrical conductivity (Keithley)
- Electro-optical Setup (Raman Scientific)
- Differential Scanning Calorimetry (DSC)
- Digital Storage Oscilloscope (DSO X1204A Keysight)
- X-Ray Diffractometer (X’Pert PRO PANalytical)
- Double Distillation Unit

Publications:

1. Effect of Silver Nanoparticles Dispersed in Nematic Liquid Crystal for Display Applications, **Ankur Srivastava**, Pravesh Kumar Vishwakarma, Sidharth Pratap Singh, Pankaj Kumar Tripathi, Prashant Kumar Singh, Sindhu Singh, Anoop K Srivastava, Anil Kumar, Manuscript Number: **Journal of Molecular Liquids 428 (2025) 127505. Available online 3 April 2025**, <https://doi.org/10.1016/j.molliq.2025.127505>.
2. Study of dielectric properties of silver nano-particle dispersed nematic liquid crystal 4'-heptyl-biphenyl-4-carbonitrile, **Ankur Srivastava**, Pravesh Kumar Vishwakarma, Sidharth Pratap Singh, Prashant Kumar Singh, Sindhu Singh, Anoop K. Srivastava and Anil Kumar, **Industrial Engineering Journal**, Volume: 53, Issue 11, No.1, November: 2024,
3. Design, structural, and electrical conduction behavior of Zr modified BaTiO₃-BiFeO₃ perovskite ceramics; Siddharth P. Singh, Amar B. Verma, **Ankur Srivastava**, Kamlesh K. Chaurasiya, Anil Kumar, Prashant K. Singh, Sindhu Singh, **The Scientific Temper**, 15(2):2045-2049, 15 May. 2024. Doi: 10.58414/SCIENTIFICTEMPER.2024.15.2.12.
4. Effect of La, Zr Doping on the Structural and Electrical Conduction Behaviour of BiFeO₃-BaTiO₃ Ceramics; Siddharth Pratap Singh, Amar Bahadur Verma, **Ankur Srivastava**, Pravesh Kumar Vishwakarma, Anil Kumar, Prashant Kumar Singh, Sindhu Singh; **International Journal of Scientific Research in Science and Technology**, Volume 11, Issue 1, 520-525, Feb.2024.
5. Dielectric properties of the positive dielectric anisotropic Nematic Liquid Crystal 4'-Heptyl[1,1'-biphenyl]-4-carbonitrile with the dispersion of the Tin nanoparticles (Sn-NPs) for the photonic and display applications **Ankur Srivastava**, Pravesh Kumar Vishwakarma, Sidharth Pratap Singh, Pankaj Kumar Tripathi, Prashant Kumar Singh, Sindhu Singh, Anoop K Srivastava, Anil Kumar, **Proceedings of National Academy of Sciences, India, Section A: Physical Sciences**, October, 2024 (Under Review),

Conference/ Seminar:

1. Participated in National Seminar on Recent Advances in Material Sciences and Electronics (RAMSE-2019) jointly organized by Department of Physics and Electronics, Dr. Rammanohar Lohia Avadh University Ayodhya and International Academy of Physical Sciences (IAPS), Ayodhya Chapter, sponsored by Department of Higher Education, U.P. Government (**February 27-28, 2019**).
2. Oral presentation on “*Dielectric characterization of nano-particle doped 4'-Heptyl-4-biphenylcarbonitrile (7CB) nematic liquid crystal*” at International Conference on Recent Advances in Mathematical and Physical sciences-2022(RAMPS-2022) organized

by Department of Mathematics and Statistics (COE) DR. R.M.L. Avadh University Ayodhya (**December 17-18, 2022**).

3. Poster presentation on “*Study of dielectric properties of silver nanoparticles (Ag-NPs) dispersed nematic liquid crystal 4'-n-Heptyl-4-Cyanobiphenyl (7CB)*” at Meghnad Saha Memorial International Conference on Frontier of Physics (MSMICFP-2023) Department of Physics, University of Allahabad (**November 22-24, 2023**).
4. Oral presentation on “*Environmental friendly Silver Nano-particle (Ag-NPs) doped in 7CB nematic liquid crystal: an impact on dielectric parameters*” in 5th International Conference on Environment and Society (ICES 2023) Department of Environmental Sciences, Dr.RML Avadh University Ayodhya (U.P.) in the collaboration of GESA New Delhi and American University, USA (**December 29-30, 2023**).

Workshop:

1. Participated in National workshop on Research Methodology organized by IQAC Dr. Rammanohar Lohia Avadh University, Ayodhya in Collaboration with Research for Resurgence Foundation(RFRF),Nagpur (**May 20-26, 2019**)
2. Participated in One week Faculty Development Programm on Role of Matrix Laboratory (MATLAB) in Advance Communication (TEQIP-3) organized by Department of Electronics and Communication Engineering IET Dr. Rammanohar lohia Avadh University Ayodhya, sponcered by MHRD,Govt. of India (**March 15-19, 2019**).
3. Participated in National Workshop on LINUX Fundamentals & C Programming (LFCEP-2020) jointly organized by Department of Physics and Electronics, Dr. Rammanohar Lohia Avadh University Ayodhya and International Academy of Physical Sciences (IAPS), Ayodhya Chapter (**January 20-22, 2020**).
4. Hands on Training Program “*Synergistic Training Program Utilizing the Scientific and Technological Infrastructure (STUTI)*” on Advanced Reseach Instruements, organized by Centre of Materials Sciences, University of Allahabad, Prayagraj in the collaboration of Aligarh Muslim University Aligarh DST SPONCORED (**August 23-29, 2022**).
5. Online Workshop on “*Origin-Lab tool for Data Analysis and Graphing*” conducted by DIGI SKILL center, A.C.T. Academy, Kerala (**June 03 2024**).

References:

Dr. Anil Kumar (Supervisor)

Asst. Professor
Department of Physics & Electronics
Dr. Rammanohar Lohia Avadh University, Ayodhya
224001 U.P. INDIA
Mobile No.: +91 94156 15292
Email: anilsangram@gmail.com

Dr. Anoop Kumar Srivastava (Co-Supervisor)

Associate Professor
Deptt. of Applied Science & Humanities
Institute of Engg. & Technology (I.E.T.)
Dr. Rammanohar Lohia Avadh University, Ayodhya
Mobile No.: +91 6392 555 424
Email: anoopalld@gmail.com

Dr. Sindhu Singh

Asst. Professor
Department of Physics & Electronics
Dr. Rammanohar Lohia Avadh University, Ayodhya
224001 U.P. INDIA
Mobile No.: +91 94159 91334
Email: sindhuceramic@gmail.com

Dr. Prashant Kumar Singh

Asst. Professor
Deptt. of Applied Science & Humanities
Institute of Engg. & Technology (I.E.T.)
Dr. Rammanohar Lohia Avadh University, Ayodhya
Mobile No.: +91 94506 30938
Email: prashant2singh@gmail.com

Ankur Srivastava