

Publications List:

1. Molecular modeling, vibrational dynamics and NBO analysis of a synthetic bio-relevant warfarin analog T. Yadav, A. K. Vishwkarma, M. Mandal, I. Karmakar, A. Pathak, G. Brahmachari, **P. K. Tripathi**, A.K. Madheshiya, N.P. Yadav, C. Mahapatra, **Journal of Molecular Structure**, 1284 (2023) 135347. <https://doi.org/10.1016/j.molstruc.2023.135347>
2. Superior dielectric and electrical characteristics of poly(methylmethacrylate) (PMMA)-BiFeO₃-Polystyrene-2% divinyl benzene (PDB) composites, N.P. Yadav, B.B. Sahu, R.N. Mahaling, T. Yadav, **P. K. Tripathi**, S. Moharan, **Optik**, 277 (2023) 170695. <https://doi.org/10.1016/j.ijleo.2023.170695>
3. Enhancement of birefringence for liquid crystal with the doping of ferric oxide nanoparticles, **P. K. Tripathi**, D. P. Singh, T. Yadav, V. Singh, A. K. Srivastava and Y. S. Negi, **Optical Materials** 135 (2023) 113298. <https://doi.org/10.1016/j.optmat.2022.113298>
4. Conformational Search and Spectroscopic Analysis of Biorelevant Molecule: 5-Chloro-2-hydroxy-N-isobutyl-3-oxo 2,3-dihydrobenzofuran-2-carboxamide, A. K. Vishwkarma, T. Yadav, G. Brahmachari, I. Karmakar, P. Yadav, S. Saha, C. Mahapatra, G. N. Pandey, C. S. P. Tripathi, **P. K. Tripathi**, V. K. Verma, and A. Pathak, **Polycyclic Aromatic Compounds**, (2022) <https://doi.org/10.1080/10406638.2022.2135546>
5. Structural confirmation and spectroscopic signature of N-Allyl-2-hydroxy-5-methyl-3-oxo-2, 3-dihydrobenzofuran-2-carboxamide and its monohydrate cluster, T. Yadava, A. K. Vishwkarma, G. Brahmachari, I. Karmakar, P. Yadav, S. Kumar, C. Mahapatra, J. Chowdhury, R. Kumar, G. N. Pandey, **P. K. Tripathi**, A. Pathak, **Journal of Molecular Structure**, 1267 (2022) 133566. <https://doi.org/10.1016/j.molstruc.2022.133566>
6. The overview of dielectric properties of liquid crystals with the function of frequency and temperature, A. Sharma, R. Mishra and **P. K. Tripathi**, Int. J. Adv. Res. 10(03), (2022) 250-254. ISSN: 2320-5407. <http://dx.doi.org/10.21474/IJAR01/14387>
7. Dielectric and electro-optical properties of nematic liquid crystal p-methoxybenzylidene p-decylaniline dispersed with oil palm leaf-based porous carbon quantum dots, A. Rastogi, **P. K. Tripathi**, T. Manohar and R. Manohar, **Journal of Dispersion Science and Technology**, 2021. <https://doi.org/10.1080/01932691.2021.1981366>
8. Enhanced Electro-optical Properties of Low Viscous Nematic Liquid Crystal Doped with Mixed Phase Anatase/Rutile TiO₂ Nanoparticles for Display Applications, B. P. Singh, S. Sikarwar, A. K. Misra, **Pankaj Kumar Tripathi**, A. K. Srivastava, M. Saha, R. Manohar, K. K. Pandey, **World Journal of Applied Chemistry** 6(3) (2021) 25-35. DOI: 10.11648/j.wjac.20210603.11
9. Phase Transition Properties of ferroelectric and antiferroelectric liquid crystals, Abhilasha Singh and **P. K. Tripathi**, **Philosophical Magazine**, 101(12) (2021) 1490-1509. <https://doi.org/10.1080/14786435.2021.1916115>
10. Comprehensive studies on dielectric properties of p-methoxy benzylidene p-decyl aniline (MBDA) with the function of temperature and frequency in planar geometry: a potential nematic liquid crystal for display devices, **P.K. Tripathi**, K. Vikram, M. Tiwari, A. Shriram, **Chinese Physics B**, 30 (6) (2021) 064208. <doi.org/10.1088/1674-1056/abdda9>
11. Dielectric and electro-optical properties of ferric oxide nanoparticles doped 4-octyloxy-4' cyanobiphenyl liquid crystal-based nanocomposites for advanced display systems, **P. K. Tripathi**, A. Roy, A. K. Misra, K. K. Pandey, R. Manohar and Y.S. Negi, **Liquid Crystal** 48 (2021) 923-934. <https://doi.org/10.1080/02678292.2020.1821918>
12. Optimization of the dielectric and optical parameters of 1,2,4-oxadiazole ferroelectric mesophase with the suspension of PVP capped gold nanoparticles, A. Roy, **P. K. Tripathi**, M. S. M. Srinivasulu, R. K. Gangwar, R. Manohar, **Optical Materials** 107 (2020) 110021. <https://doi.org/10.1016/j.optmat.2020.110021>

13. Influence of SiO₂ nanoparticles on the dielectric properties and anchoring energy parameters of pure ferroelectric liquid crystal, A. K. Misra, A. Roy, B. P. Singh, K. K. Pandey, J. K. Saluja, R. Shrivastava, **P. K. Tripathi** and R. Manohar, **Journal of Dispersion Science and Technology**, 41, (2020) 2136-2142. <https://doi.org/10.1080/01932691.2019.1653195>
14. Dielectric Properties and Activation Energies of Cu: ZnO Dispersed Nematic Mesogen N-(4-methoxybenzylidene)-4-butylaniline Liquid Crystal, A. K. Misra, **P. K. Tripathi**, K. K. Pandey, B. P. Singh and R. Manohar, **Journal of Dispersion Science and Technology**, 41, (2020) 1283-1290. <https://doi.org/10.1080/01932691.2019.1617164>
15. Electro-optic switching and memory effect in the suspension of ferroelectric liquid crystal and iron oxide nanoparticles, A. K. Misra, **P. K. Tripathi**, K. K. Pandey, F. P. Pandey, S. Singh and A. Singh, **Mater. Res. Express** 6 (2019) 1050d2. DOI 10.1088/2053-1591/ab42c3
16. Faster response and lesser threshold voltage of strontium hardystonite (Sr-HT) nematic liquid crystal: Photoluminescence and optical study, A. K. Misra, B. P. Singh, S. Chandraker, K. K. Pandey, **P. K. Tripathi**, J. K. Saluja, R. Manohar, **Optical Materials**-93 (2019) 19-24. <https://doi.org/10.1016/j.optmat.2019.04.066>
17. Investigation of dielectric and electro-optical properties of nematic liquid crystal with the suspension of biowaste-based porous carbon nanoparticles, **B. P. Singh**, G. Pathak, A. Roy, G. Hegde, **P. K. Tripathi**, A. Srivastava and R. Manohar, **Liquid Crystals**, 46(12), (2019) 1808-1820. <https://doi.org/10.1080/02678292.2019.1606354>
18. UV response on dielectric properties of nano nematic liquid crystal, K. K. Pandey, **P. K. Tripathi**, A. K. Misra and R. Manohar, **Results in Physics**, 8 (2018) 1119-1123. <https://doi.org/10.1016/j.rinp.2018.01.051>
19. Impact of Silica Nanoparticles Dispersion on the Dielectric and Electro-Optical Properties and Absorption Spectra of Host Ferroelectric Liquid Crystal, **P. K. Tripathi**, S. P. Yadav and S. Singh, **Liquid Crystals**, 45 (2018) 953-960. <https://doi.org/10.1080/02678292.2017.1397784>
20. Manifestation of strong magneto-electric dipolar coupling in ferromagnetic nanoparticles–FLC composite: evaluation of time-dependent memory effect, T. Vimal, S. Pandey, S. K. Gupta, D. P. Singh, K. Agrahari, G. Pathak, S. Kumar, **P. K. Tripathi** and R. Manohar, **Liquid Crystals**, 45 (2018) 687-697. <https://doi.org/10.1080/02678292.2017.1375564>
21. Effect of UV Irradiation on the Dielectric Behaviour of Liquid Crystal/Nano Composite, K. K. Pandey, A. K. Dixit, M. S. Khan, **P. K. Tripathi**, A. K. Misra and R. Manohar, **Molecular Crystals and Liquid Crystals**, 656 (2017) 89-95. <https://doi.org/10.1080/15421406.2017.1405657>
22. Application of Thermodynamic Model to Study the Phase Transition Properties of Surface Stabilized Ferroelectric Liquid Crystals, Shubha Singh **P.K. Tripathi** and S. Singh, **Journal of Molecular Liquids**, 241 (2017) 422-427. <https://doi.org/10.1016/j.molliq.2017.06.031>
23. Pristine and quantum dots dispersed nematic liquid crystal: Impact of dispersion and applied voltage on dielectric and electro-optical properties, **P.K. Tripathi**, B. Joshi, S. Singh, **Optical Materials**, 69 (2017) 61-66. <https://doi.org/10.1016/j.optmat.2017.04.023>
24. Dielectric Study of Carbon Nanotube Dispersed Thermotropic Liquid Crystal, A.C. Dixit, K. Pandey, **P.K. Tripathi** and M. S. Khan, **International Journal of Nanotechnology and Applications**, 11, 2 (2017) 179-188.
25. Polymer doped ferroelectric liquid crystal: UV absorbance, fluorescence and electro-optical study, A. K. Misra, **P.K. Tripathi**, K. K. Pandey, S. Manohar and R. Manohar, **Phase Transitions**, 90 (2017) 227-235. <https://doi.org/10.1080/01411594.2016.1174777>
26. Dielectric and electro-optical properties of polymer stabilized liquid crystal. II. Polymer PiBMA dispersed in MBBA, **P.K. Tripathi**, M. Pande and S. Singh, **Applied Physics A**, 122 (2016) 847. <https://doi.org/10.1007/s00339-016-0376-1>
27. Dielectric investigations in liquid crystalline phase of nematogen DoBDPMP, **P. K. Tripathi**, R. Manohar, S. Singh, **Molecular Crystals and Liquid Crystals**, 626 (2016) 160-168. <https://doi.org/10.1080/15421406.2015.1106297>

28. Dielectric and Electro-optical Properties of Polymer Stabilized Liquid Crystal System, Mukti Pande, **P. K. Tripathi**, A. K. Misra, S. Manohar, R. Manohar and S. Singh, Applied Physics A, 122 (2016) 217. <https://doi.org/10.1007/s00339-016-9749-8>
29. Fluorescent dye doped ferroelectric liquid crystal: An anchoring energy, electro-optical and fluorescence study, A.K. Misra, P. K. Tripathi and R. Manohar, Journal of Molecular Liquids, 214 (2016) 418–421. <https://doi.org/10.1016/j.molliq.2015.12.083>
30. Enhancement of birefringence of Liquid Crystals with dispersion of poly (butyl methacrylate) (PBMA), M. Pande, **P. K. Tripathi**, S. K. Gupta, R. Manohar and S. Singh, Liquid Crystal, 42 (10) (2015) 1465-1471. <https://doi.org/10.1080/02678292.2015.1061143>
31. Fluorescence, UV absorbance and dielectric studies of fluorescent dye-doped ferroelectric liquid crystal, A. K. Misra, **P. K. Tripathi** and R. Manohar, Journal of Non-Crystalline Solids, 412 (2015) 1-4. <https://doi.org/10.1016/j.jnoncrsol.2014.11.037>
32. Dielectric behavior of ZnO nanoparticle-doped nematic liquid crystal, **P. K. Tripathi**, S. Pandey, A. K. Misra and R. Manohar, Ferroelectrics, 468 (2014) 132-142. <https://doi.org/10.1080/00150193.2014.933691>
33. Electro-optical study of fluorescent dye-doped ferroelectric liquid crystal, A. K. Misra, **P. K. Tripathi**, K. K. Pandey and R. Manohar, Molecular Crystals and Liquid Crystals, 591 (2014) 25-33. <https://doi.org/10.1080/15421406.2013.830353>
34. Effects of Polymer Doping on Dielectric and Electro-optical Parameters of Nematic Liquid Crystal, S. Pandey, S. K. Gupta, D. P. Singh, T. Vimal, **P. K. Tripathi**, A. Srivastava and R. Manohar, Polymer Engineering and Science, 55 (2014) 414-420. <https://doi.org/10.1002/pen.23907>
35. Theoretical Aspect of Nano-nematic Composite: Energy Functional and Threshold Voltage, K. K. Pandey, A. K. Misra, P. K. Tripathi, S. P. Yadav and R. Manohar, Molecular Crystal Liquid Crystal, 582 (2013) 88-97. <https://doi.org/10.1080/15421406.2013.803917>
36. Goldstone and Soft Mode for Fluorescent Dye Doped Ferroelectric Liquid Crystal, A. K. Misra, **P. K. Tripathi** and R. Manohar, J. Non-Crystalline solid, 376 (2013) 7-11. <https://doi.org/10.1016/j.jnoncrsol.2013.04.040>
37. Study on dielectric and optical properties of ZnO doped nematic liquid crystal in low-frequency region, **P. K. Tripathi**, A. K. Misra, K. K. Pandey and R. Manohar, Chemical Rapid Communications, 1 (2013) 20-26.
38. Abnormal switching behaviour of nanoparticle composite systems, **P. K. Tripathi**, A. K. Misra, K. K. Pandey, S.P Yadav and R. Manohar, Phase Transitions, 86, 12 (2013) 1241-1255. <https://doi.org/10.1080/01411594.2012.761698>
39. CdSe quantum dot Dispersed DOBAMBC: An Electro-optical study, S. K. Gupta, D. P. Singh, **P. K. Tripathi**, R. Manohar, M. C. Varia, L. K. Sagar and S. Kumar, Liquid Crystals, 40, 4 (2013) 528-533. <https://doi.org/10.1080/02678292.2012.761735>
40. Changes in material parameters for dye-doped ferroelectric liquid crystal, A. K. Misra, **P. K. Tripathi** and R. Manohar, Phase Transitions, 86, 10 (2013) 977-986. <https://doi.org/10.1080/01411594.2012.727997>
41. Improved Dielectric and Electro-Optical Parameters of ZnO Nano Particle (8% Cu²⁺) Doped Nematic Liquid Crystal, **P. K. Tripathi**, A. K. Misra, S. Manohar, S. K. Gupta and R. Manohar, Journal of Molecular Structure, 1035, 10 (2013) 317-377. <https://doi.org/10.1016/j.molstruc.2012.10.052>
42. Concentration Dependent Physical Parameters of Ferroelectric Liquid Crystal and ZnOs Nanomaterial Composite System, D. P. Singh, S. P. Yadav, **P. K. Tripathi**, P. Tripathi, R. Manohar, P. Kumar Sharma, A. C. Pandey, Soft Materials, 11, 3 (2013) 305-314. <https://doi.org/10.1080/1539445X.2012.654582>
43. Reduction of optical response time for fluorescent dye-doped ferroelectric liquid crystal, A. K. Misra, **P. K. Tripathi** and R. Manohar, Journal of Molecular Liquid, 175 (2012) 67-71. <https://doi.org/10.1016/j.molliq.2012.08.016>
44. Dielectric relaxation study of an H-shaped liquid crystal dimer, A. K. Misra, S. P. Yadav, **P. K. Tripathi** and R. Manohar, Physics and Chemistry of Liquids, 50 (2012) 605-616. <https://doi.org/10.1080/00319104.2011.651210>

45. Dielectric and electro-optical study of ZnO nanorods doped ferroelectric liquid crystals, R. Manohar, A. K. Srivastava, **P. K. Tripathi** and D. P. Singh, Journal of Materials Science, **46** (2011) 5969-5976. <https://doi.org/10.1007/s10853-011-5556-y>
46. The molecular ordering phenomenon in dye-doped nematic liquid crystals, S. P. Yadav, K. K. Pandey, A. K. Mishra, **P. K. Tripathi** and R. Manohar, Physica Scripta, 83 (2011) 035704. DOI 10.1088/0031-8949/83/03/035704

Publications in conference proceedings:

1. Low Frequency Dielectric Relaxation and Optical Behaviour of a Nematic Liquid Crystal 4-Methyl (2'-Hydroxy, 4'-N-Hexadecyloxy), **P.K. Tripathi**, A. K. Misra, S. Pandey and R. Manohar, AIP Conf. Proc., **1536** (2013) 885-886. <https://doi.org/10.1063/1.4810512>
2. Dielectric Relaxation of a Ferroelectric Liquid Crystal Showing Anomalous Behaviour due to Polarization Inversion, A. K. Misra, **P. K. Tripathi**, and R. Manohar, AIP Conf. Proc., **1536** (2013) 933-934. <https://doi.org/10.1063/1.4810536>
3. Dynamical behavior of quantum dots (QDs) dispersed in nematic liquid crystal, **P. K. Tripathi**, P. Tripathi, R. Manohar and S. Singh, **Advanced Materials Letters** **2015**. www.vbripress.com/amwc, DOI: 10.5185/amwc.2015.
4. Dielectric Study of Multiwall Carbon Nanotube Dispersed Nematic Liquid Crystal Mixture, P. K. Tripathi, A. Kumar and K. K. Pandey, **Materials Today: Proceedings**, 5 (2018) 9182–9186. <https://doi.org/10.1016/j.matpr.2017.10.041>

Invited Lectures:

1. Session Chair, Faculty Development Programme on Recent Advances in Physical, Bio and Life Sciences (FD-RAPBS) at Department of Physics, Sharda School of Basic Science and Research, Sharda University, Greater Noida. 06-10 February 2023
2. Session Chair, International Conference on Nanomaterials and nanodevices (ICNN-2022), Uttaranchal University, 23-24 April 2022.
3. Role as a judge in the poster presentation session in a National Seminar on Characterization and Processing of Advanced Materials (NSCPAM-2021) Department of Physics, Govt. Pt. Shyamacharan Shukla College, Dharsiwa, Raipur (C.G.), India, 26, June 2021.
4. Electrical properties of Liquid Crystals for the application of display and photonics devices, National E-Conference on Interdisciplinary Research in Science and Technology (NCIRST-20), Amiruddaula Islamia Degree college, Lucknow, U.P., India, 30, 31 March, 2020.
5. National Seminar on Innovative Methods of Teaching Physics (IMTP-20), Department of Physics, Shia P.G. College, Lucknow, India, 5, 6 March, 2020.
6. Influence on the Dielectric and Electro-optical Properties of Quantum Dots ($Cd_{1-x}Zn_xS/ZnS$ graded core/shell) Dispersion in Nematic Phase of Liquid Crystal BBHA, National Seminar on “**Energy Industry and Environment**”, Government Vivekananda (P.G.) College, Manendragarh, Koriya, Chhattisgarh, 9 October, 2015,

Faculty Development Programme (FDP):

1. Faculty Development Programme on Recent Advances in Physical, **Bio and Life Sciences (FD-RAPBS)**, at **Department of Physics, Sharda School of Basic Science and Research, Sharda University**, Greater Noida, 06-10 February 2023. Delivered the lecture in title “High resolution Birefringence of liquid crystal with the suspension of ferric oxide”.
2. Photonics under All India Council for Technical Education (AICTE), Nelson Mandela Marg, Vasant Kunj, New Delhi held from 21st -25th September, 2020 at Department of Applied Science and Humanities, Institute of Engineering and Technology, Dr. Ram Manohar Lohia Avadh University, Ayodhya-224001.
3. **RESEARCH METHODOLOGY: TOOLS & TECHNIQUES**” under Pandit Madan Mohan Malviya National Mission on Teachers and Training Scheme of MHRD, Govt. of India held from 5th -11th June, 2020 at ARSD College, University of Delhi.

Presentations (Conferences/Seminars/workshop):

1. Participated in a *One Week Workshop on Research Methodology for Multidisciplinary Perspectives of Physics*, Department of Physics, **DDU Gorakhpur University**, Gorakhpur, India, 29 June, 5 July 2021.
2. Participated in a National Webinar on New look at energy and sustainability, Atma Ram Sanatan Dharma College (**University of Delhi**), New Delhi, India, 18th August, 2020.
3. Participated in one week online short-term course on Additive Manufacturing with interdisciplinary Applications, **Dr. B.R. Ambedkar National Institute of Technology, Jalandhar**, Punjab, India from 29th June-03th July, 2020 under TEQP-III.
4. Participated in a webinar cum workshop on “Performing and Designing experiments on virtual platform” **M.J.P. Rohilkhand University Bareilly (In association IIT Roorkee)** during 8th to 17th June, 2020.
5. Participated in NATIONAL Webinar on “Prospects and challenges for future NAAC accreditation in colleges organized by IQAC, Govt V.Y.T. PG. Autonomous College, Durg (C.G.) India held on 14th June 2020.
6. Participated in International Day of Light: A global initiative by UNESO organized by Department of Physics, University of Lucknow, India, (20th May, 2020).
7. Participated in webinar on Role of a teacher as Mentor during COVID-19 pandemic organized by Department of Applied Science and Humanities Faculty of Engineering and Technology, University of Lucknow, held on 11th -12th May, 2020.
8. Participated in a 106th Indian Science Congress (ISC-2019)), Lovely Professional University, Phagwara, Punjab, India, 3th to 7th January, 2019.
9. Enhancement of Birefringence and Molecular Alignment of 4-octyloxy-4' cyanobiphenyl Liquid Crystal with Dispersed Fe₂O₃ Nanoparticles, **P. K. Tripathi**, Oral presentation, 25th National Conference on Liquid Crystals (NCLC-2018), Centre of Materials Science, University of Allahabad, India, December 19-21, 2018.
10. *Dielectric and Electro-optical properties and Absorbance Spectra of pristine and Silica Oxide Nanospheres dispersed ferroelectric liquid crystal KCFL10S systems*, **P. K. Tripathi** and Shri Singh, Oral presentation, 24th National Conference on Liquid Crystals (NCLC-2017), Department of Chemical Science, IISER Mohali, Punjab, India, October 11-13, 2017.
11. *Influences of Dispersion of ZnO Nanoparticles on the Activation Energy and Dielectric Relaxation Spectra of Nematic Liquid Crystal*, **P. K. Tripathi**, F.P. Pandey, R. Manohar and Shri Singh, Oral presentation, International Conference on “Nanoscience and Nanotechnology” (ICNN-2017), Department of Applied Physics, School for Physical Sciences, BBAU, Lucknow, India, Sept, 22-24, 2017.
12. *Electrical and Photoluminescence properties of Pristine and Quantum Dots Dispersed Liquid Crystal*, **P. K. Tripathi**, and Shri Singh, Oral presentation, Recent Advances and Innovations in Chemical and Materials Science (RAICMS-2017), Department of Chemistry, Sri Jai Narain (P.G.) College Lucknow, India, February 23-24, 2017.
13. *Dielectric, Electro-Optical and Photoluminescence properties of Pristine and Cd_{1-x}Zn_xS/ZnS Quantum Dots dispersed BBHA Nematogen*, **P. K. Tripathi** and **B. Joshi**, Oral presentation, International Conference on "Advances in Biological Systems and Materials Science in NanoWorld" (ABSMSNW-2017), Department of Physics, IIT(BHU) Varanasi, India, February 19-23, 2017.
14. *Relaxation behaviour of Pristine and Cd_{1-x}Zn_xS/ZnS Quantum Dots dispersed BBHA Nematogen*, **P. K. Tripathi**, B. Joshi and Shri Singh, oral presentation, 23rd National Conference on Liquid Crystals (NCLC-2016), Department of Applied Science, IIT(ISM) Dhanabad, India, December 07-09, 2016.
15. *Enhancement of switching behaviour of Nematic Liquid Crystals Dispersed with Aluminium oxide Nanoparticles*, F. P. Pandey, **P. K. Tripathi** and Shri Singh, Oral presentation, 23rd National Conference on Liquid Crystals (NCLC-2016), Department of Applied Science, IIT(ISM) Dhanabad, India, December 07-09, 2016.
16. *Role of domain formation for nematic liquid crystal stabilized with PiBMA polymer*, **P. K. Tripathi**, R. Manohar and S. Singh, poster presentation, International Conference on Electron Microscopy (EMSI-2016) Jointly organized by Department of Metallurgical Engineering, IIT (BHU), Varanasi & Electron Microscope Society of India, Ramada Plaza and Hotel Clarks, Varanasi, June 2-4, 2016.

17. *Optical anisotropy property of liquid crystal-polymer composite system*, **P. K. Tripathi**, R. Manohar and S. Singh, Oral presentation, 22th National Liquid Crystals Conference (NCLC-2015), DIT University, Dehradun, 21-23 December 2015.
18. *Formation of Polymer Domains and Improvement of the Response of Polymer stabilized Liquid Crystal System*, **P. K. Tripathi** and S. Singh, Poster presentation in a Statistical Physics of Soft Matter (SPSM-2015) workshop, Department of Physics, Banaras Hindu University, Varanasi (INDIA) Under UGC Networking Programme, 26-30 Nov., 2015.
19. Participated in Workshop On “Advanced Nanomaterials: Characterisations and Applications” (WANCA-2015), Department of Physics Banaras Hindu University, Varanasi (INDIA) Under UGC Networking Programme, 02-08 Nov., 2015.
20. *Dynamical behavior of quantum dots (QDs) dispersed in nematic liquid crystal*, **P. K. Tripathi**, P. Tripathi, R. Manohar and S. Singh, Oral Presentation in an **Advanced Materials World Congress** (AMWC-2015) organised by International Association of Advanced Materials, Linköping University and VBRI Press during 23-26 August 2015 on the Baltic Sea from Stockholm-Tallinn-Stockholm by the Viking Line Cruise.
21. *Enhancement of Electro-Optical Properties for Polymer Liquid Crystal Composite*, **P. K. Tripathi**, A.K. Misra, R. Manohar and S. Singh, Oral Presentation in a 21th National Conference on Liquid Crystals (NCLC-2014), Vikramajit Singh Sanatan Dharm (VSSD) College, Chhatrapati Shahu Ji Maharaj University, **Kanpur (INDIA)** 10th to 12th November 2014.
22. *Dielectric Investigations in Liquid Crystalline Phase of Nematogen DoBDPMP*, **P. K. Tripathi**, A. K. Misra, V. S. Chandel, S. P. Singh and R. Manohar, Poster Presentation in International Conference on Advanced Materials and Applications (ICAMA-2014), Centre of Material Sciences, University of Allahabad, **Allahabad (INDIA)** 24th to 26th March 2014.
23. *Electrical Parameters of Polymer-Nematic Liquid Crystal composite and their Dependence on Temperature and Frequency*, **P. K. Tripathi**, A. K. Misra, S. P. Singh and R. Manohar, Poster Presentation in a 20th National Conference on Liquid Crystals (NCLC-2013) held at Manipal Institute of Technology, Manipal, **Karnataka (INDIA)** 16th to 18th December 2013.
24. *Dielectric and Electro-optical Study of Polymer Doped Nematic Liquid Crystal*, **P. K. Tripathi**, S. Pandey, T. Vimal, A. Srivastava and R. Manohar, Poster Presentation in International Seminar on Advances in Bio- & Nano-Materials (ISABNM-2013), Physic Department, University of Lucknow, **Lucknow (INDIA)** 17th November 2013.
25. *Dielectric and Electro-Optical Study for Fluorescent Dye Doped Ferroelectric Liquid Crystal*, **P. K. Tripathi**, A. K. Misra and R. Manohar, Poster Presentation in a 14th International Conference on Ferroelectric Liquid Crystals (FLCC-2013), Otto-von-Guericke-University **Magdeburg, GERMANY**, 1th to 6th September 2013.
26. Participated (Registration No: IQAC/ELW/Aug-2013/170) in *Workshop on “E-Learning & Preparation of E-Learning Material” Organised by Internal Quality Assurance Cell (IQAC)*, University of Lucknow, **Lucknow (INDIA)** 17th August 2013.
27. Participated (Registration No: IQACW02/058) in *Workshop on “Education & Employability: opportunities & Challenges” Organised by Internal Quality Assurance Cell (IQAC)*, University of Lucknow, **Lucknow (INDIA)** 13 April 2013.
28. *Dielectric Relaxation Behavior for Nanoparticle Doped in Nematic Liquid Crystal*, **P. K. Tripathi**, A. K. Misra and R. Manohar, Poster Presentation in the UCOST Sponsored National Conference, Department of Mathematics, Govt. P. G. College, Lansdowne (Jaiharikhal) Pauri Garhwal, **Uttarakhand (INDIA)** 21th to 22th March 2013.
29. *An Apparatus of Increased Precision for the Measurement of Electro-Optical Parameters of Liquid Crystals*, A. K Misra, V. Sharma, **P. K. Tripathi** and Rajiv Manohar, Poster Presentation in the UCOST Sponsored National Conference, Department of Mathematics, Govt. P. G. College, Lansdowne (Jaiharikhal) Pauri Garhwal, **Uttarakhand (INDIA)** 21th to 22th March 2013.
30. *Low Frequency Dielectric Relaxation and Optical Behaviour of a Nematic Liquid Crystal 4-Methyl (2'-Hydroxy, 4'-N-Hexadecyloxy)*, **P. K. Tripathi**, A. K. Misra and R. Manohar, Poster presentation in an International Conference on Recent Trends in Applied Physics & Material Science (RAM 2013) organized by Govt. College of Engineering & Technology, Bikaner, **(INDIA)** 01th to 02th February 2013.

31. *Switching Behavior of Nematic Liquid Crystal Composite*, **P. K. Tripathi** and R. Manohar, Poster presentation in a Conference on Condensed Matter and Biological Systems (CCMB13), Physics Department, Banaras Hindu University, **Varanasi (INDIA)** 11th to 14th January 2013.
32. *Goldstone and soft mode for fluorescent dye doped ferroelectric liquid crystal*, A. K. Misra, **P. K. Tripathi**, K. K. Pandey and R. Manohar, Poster presentation in a Conference on Condensed Matter and Biological Systems (CCMB13), Department of Physics, Banaras Hindu University, **Varanasi (INDIA)** 11th to 14th January 2013.
33. *Improved dielectric and electro-optical parameters of ZnO nano particle (8% Cu²⁺) doped nematic liquid crystal*, **P. K. Tripathi**, S. Pandey, V. S. Chandel and R. Manohar, Poster presentation in a 19th National Conference on Liquid Crystal (NCLC-2012), Thapar University, Patiala, **Punjab (INDIA)** 21th to 23th November 2012.
34. *Ferroelectric liquid crystal parameters doped with fluorescent dye*, A. K. Misra, **P. K. Tripathi** and R. Manohar, Poster presentation in a 19th National Conference on Liquid Crystals (NCLC-2012), Thapar University, Patiala, **Punjab (INDIA)** 21th to 23th November 2012.
35. *Dielectric behavior of ZnO nano particle doped nematic liquid crystal*, **P. K. Tripathi**, S. Dixit, S. P. Yadav and R. Manohar, Poster presentation in a Soft Matter Chemistry Workshop, Raman Research Institute, **Bangalore (INDIA)** 9th to 11th November 2011.
36. Participated in a NASI sponsored Workshop "Writing Research paper" Department of Physics, Banaras Hindu University, **Varanasi (INDIA)** 10th and 11th June 2011.
37. *Nanoparticle doped ferroelectric liquid crystals: Dielectric and Electro-optical study as function of nanoparticle concentration*, **P. K. Tripathi**, V.S. Chandel and R. Manohar, Poster presentation in 17th National Conference on Liquid crystals held at **Surat (INDIA)** 15th to 17th November, 2010.
38. *Electro-Optical Behavior of Dye Doped Nematic Liquid crystal*, S. P. Yadav, **P. K. Tripathi**, S. P. Singh, P. Kumar, R. Manohar and J.P. Shukla, Poster presentation in 16th National Conference on Liquid crystals (NCLC-2009), University of Lucknow, **Lucknow (INDIA)** 26th to 28th October 2009.
39. Participated in a *Conference on Mesogenic and Ferroic Materials (CMFM09)*, Banaras Hindu University, **Varanasi (INDIA)** 9th to 11th January 2009.

(Pankaj Kumar Tripathi)

Date: April 30, 2022
