

CURRICULUM VITAE



DR. GHANSHYAM TRIPATHI

Designation: Associate Professor

Department: Physics

Official Email ID: headphy@bbdniit.ac.in

ACADEMIC/INDUSTRIAL EXPERIENCE:- 18 Years

QUALIFICATION: - Ph D

AREA OF INTEREST:- Solid State Physics

RESEARCH PUBLICATION:-

1. "Dielectric and optical properties of polymer dispersed liquid crystal." (Published in *J. of Phys. & Chem. of Solids*, UK, 67 (2006) 2300 - 2304.
2. "Dielectric and optical study of a 4-n-decyloxybenzylidene 4'- isopropylaniline exhibiting monotropic Smectic A phase" (Published in *Macromolecules MMAIJ*, 4(1), 2008 [73-77]).
3. "Effect of heavy mixing lithium with doping of manganese on structural, EPR and dielectric spectroscopic properties of Layered $\text{Na}_2\text{Ti}_3\text{O}_7$ ", *Journal of Materials Science, Materials electronics*, (Springer) Vol 24(5), (2013) 1562-1568.
4. "Influence of copper doping on structural and dielectric response on sodium lithium tri titanates ($\text{Na}_{1.9}\text{Li}_{0.1}\text{Ti}_3\text{O}_7:\text{X Cu}(0.0 - \text{X} - 0.1)$ ", *Journal of Materials Science, Materials electronics*, Vol. 23(10), (2012), 1835-1843.
5. "Investigations on Electrical Studies of Copper Doped Layered HSLT Ceramics", *Indian journal of Advances in Chemical Sciences*, Vol1, (2012), 47-51.
6. "AC Conductivity Studies of Lithium Mixed Layered Potassium Tetra Titanates ($\text{K}_2\text{XLixTi}_4\text{O}_9$) With EPR and XRD Analysis", *Journal of Environmental Science, Computer science & Engineering & Technology*, Vol 1(3), (2012), 459-466.
7. "Accretion onto a moving schwarzschild Black Hole", *Journal of Chemical Science, Biological Science and Physical Science* Vol.2 (4), (2012), 2057.
8. "Accretion onto a Rotating Kerr Black Hole", *Journal of Chemical Science, Biological Science and Physical Science* Vol 2(4), (2012), 2070-2077.
9. "Magneto hydrodynamic flows from Rapidly Rotating Compact Objects" *Journal of Chemical Science, Biological Science and Physical Science*, Vol2 (4), (2012), 2078-2090.

10. "Relaxation Intensity Estimation of the Nematic Mixture-E-24 using KITA-KOIZUMI method", *Indian journal of Advances in Chemical Sciences*, Vol1, (2012), 17-21.
11. "Role of wind energy in Indian electricity system, *International Journal of Geology, Earth and Environmental Sciences*, Vol.2(2)(2012),pp.121-128
12. "Dielectric Spectroscopic and ac conductivity investigations on copper doped Na_{1.9}Li_{0.1}Ti₃O₇ ceramics", *International Journal of Physics and Mathematical Sciences*, Vol 1(1),(2011),93-110
13. "Effect of Paramagnetic iron ions doping on electrical conduction mechanism of Layered Sodium Lithium Tri Titanates", *International Journal of Physics and Mathematical Sciences*, Vol1(1),(2011),111-119
14. "Eddy current braking embedded system", *International Journal of Applied Engineering and Technology*, 2011 Vol. 1 (1)

FDP / FTP / CONFERENCES ATTENDED:-

CONFERENCES ATTENDED

1. "Sugar concentration estimation in beverages using ultrasonic velocity and refractive index measurement" presented in poster presentation, 89th session of Indian Science Congress, Lucknow, (2002).
2. "Relaxation intensity of OBT from dielectric loss data – Kita Kuzomi method", presented in 91th session of Indian Science Congress, Chandigarh, (2004).
3. "Dielectric relaxation & anisotropic studies of a nematogen", presented in DISCOMB 04, BHU, Varanasi, (2004).
4. "The effect of moisture content and micro fertilizers on dielectric properties of oil seeds", presented in poster presentation of 92nd session of Indian Science Congress, Ahmedabad, (2005).
5. "Dielectric relaxation study of a n-decyloxy derivative in monotropic Smectic A phase", presented in poster presentation, DAE – SOLID STATE SYMPOSIUM, B.A.R.C Mumbai, (2005).
6. "Dielectric and optical properties of polymer – liquid crystal composite", presented in oral presentation, NSPPMS, Kathmandu, Nepal, (2006).
7. "Dielectric relaxation and anisotropic studies of a Smectic liquid crystal", presented in poster presentation, MRSI, Lucknow, (2006).
8. "Dielectric study of the ferroelectric liquid crystal mixture" paper presented in the 4th international conference on "Challenges & Opportunities for Technological Innovation in India" at AIMT, Lucknow (2020).

FDP ATTENDED

1. FDP on Ethics in Engineering Practice, and achieved Topper Certificate September – November 2020.
2. FDP on Effective Engineering Teaching in Practice, January – February 2020.
3. Attended MDP on 'Leadership Development' at IIM Lucknow from February (14th - 16th) 2020.
4. FDP on Accreditation & Outcome based Learning, earned Gold Medal, August – October 2019.
5. 12 Week Course on Solid state Physics, August – September 2018

OTHER RESPONSIBILITIES: PROCTOR, ACOE, HEAD OF DEPARTMENT

Date: 11/06/2022

Place: Lucknow

(Dr. Ghanshyam Tripathi)

