

CURRICULUM VITAE

Dr Kamal Kumar

Assistant Professor (Physics)
Department of Physics
Bhakt Darshan Govt. P.G. College Jaiharikhal
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ACADEMIC QUALIFICATIONS

- ❖ Ph.D. in Physics from Gurukula Kangri Vishwavidyalaya, Haridwar in 2010
- ❖ M.Sc. in Physics from H.N.B. Garhwal University, Srinagar (Garhwal) in 2004
- ❖ B.Sc. from H.N.B. Garhwal University, Srinagar (Garhwal) in 2001

AWARD/FELLOWSHIP

- ❖ Senior Research Fellow (SRF) CSIR, New Delhi
- ❖ Junior Research Fellow (JRF), Department of Electronic Science, University of Delhi

TEACHING EXPERIENCE

- ❖ 5 years' experience as Lecturer (Contract) in Physics for Post Graduate (M.Sc.) and Under Graduate (B.Sc.) Classes at Department of Physics, Govt. P.G. College Ranikhet (Almora) from 2010-2015
- ❖ 4 years' experience as Assistant Professor in Physics for Under Graduate (B.Sc.) Classes at Department of Physics, Govt. P.G. College Jaiharikhal (Pauri Garhwal) from 2015-till date

RESEARCH INTEREST

- ❖ Condensed Matter Physics
- ❖ Thin Films for Optoelectronic Applications
- ❖ Nano Physics and Technology
- ❖ Photovoltaic Devices/Solar Cells

MEMBERSHIP OF ACADEMIC/SCIENTIFIC BODIES

- ❖ Life Time member of 'Semiconductor Society (India)'

RESEARCH PUBLICATIONS

1. Investigation of Optical Properties of $\text{Ge}_x\text{Se}_{80-x}\text{Pb}_{20}$ Films

J. Physics D: Applied Physics, Vol. 42, Page-115108, Year- 2009

ISSN: 0022-3727, Impact Factor (2019) - 2.772

2. Physical Properties of GeSePb Glasses

Proceedings of International Conference on Optics and Photonics, Vol. PSG1, Page-14, Year 2009

ISBN:978-93-80813-31-8

3. Molecular phase separation effects on calorimetric properties of $\text{Ge}_x\text{Se}_{80-x}\text{Pb}_{20}$ glasses

Chalcogenide Letters, Vol. 08, Page-659, Year- 2011

ISSN: 1584-8663, Impact Factor (2019) - 0.624

4. Recovery of Pure ZnO Nanoparticles from Spent Zn-MnO₂ Alkaline Batteries

Environmental Science and Technology, Vol. 45, Page-10551, Year-2011

ISSN: 1520-5851, Impact Factor (2019) - 6.653

5. Trap Limited Charge Transport In $\text{Ge}_x\text{Se}_{80-x}\text{Pb}_{20}$ Films

AIP Conference Proceedings, Vol. 1349, Page-579, Year- 2011

ISBN: 978-0-7354-0905-7

6. Signature of MN Rule in Ac Conductivity of $\text{Ge}_x\text{Se}_{80-x}\text{Pb}_{20}$ Films

AIP Conference Proceedings, Vol. 1391, Page-787, Year- 2011

ISBN: 978-0-7354-0960-6

7. Meyer-Neldel Rule in ac Conductivity of GeSePb Films

Proceedings of Advancements and Futuristic Trends in Material Science, Page-135, Year- 2011

ISBN: 978-81-8424-706-0

8. Nanostructured Polyaniline Films on Silicon for Sensitive Sensing of Ammonia

Sensors and Actuators A, Vol. 198, Page-107, Year- 2013

ISSN: 0924-4247, Impact Factor (2019) - 2.538

9. Optical Dispersion Parameters of Amorphous $\text{Se}_{70}\text{Te}_{30-x}\text{Pb}_x$ Films

Journal of Ovonic Research, Vol. 10, Page-127, Year- 2014

ISSN 1584 - 9953, Impact Factor (2019) - 0.618

10. Synthesis and Solar Cell Application of a Composite of Eu-BTB MOF with Functionalized Graphene

Materials Research Express, Vol. 5, Page-125501, Year- 2018

ISSN: 2053-1591, Impact Factor (2019) - 1.151

OTHER INFORMATION

- ❖ Presented Research work and Attended Numerous Conferences and Workshops.
- ❖ Achieved 'A' Grade in Orientation Course organized by UGC-HRDC Punjab University, Chandigarh.