

CURRICULUM VITAE

Dr Kamal Kumar

Assistant Professor (Physics)
Incharge, Department of Physics
Bhakt Darshan Govt. Post Graduate College Jaiharikhal
(Pauri-Garhwal) Uttarakhand, India
Email: kamalkumar.phy@gmail.com



ACADEMIC QUALIFICATIONS:

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

FELLOWSHIPS/AWARDS:

- ❖ Senior Research Fellowship (SRF), 2010, CSIR-New Delhi
- ❖ Junior Research Fellowship (Project JRF), 2008, University of Delhi, New Delhi

EMPLOYMENT HISTORY:

- ❖ Assistant Professor (Physics), From Nov 2015 to till date at Bhakt Darshan Govt. P.G. College Jaiharikhal (Pauri Garhwal)
- ❖ Lecturer (contractual) (Physics), From Dec 2010 to Nov 2015 at Govt. P.G. College Ranikhet (Almora)

TEACHING EXPERIENCE:

- ❖ 14 Years of Teaching (UG 14 Years and PG 05 Years)

RESEARCH EXPERIENCE:

- ❖ 14 Years

RESEARCH INTEREST:

- ❖ Material Science/Condensed Matter Physics
- ❖ Thin Films
- ❖ Nano Physics and Technology
- ❖ Photovoltaic Devices/Solar Cells

MEMBERSHIP OF ACADEMIC/SCIENTIFIC BODIES:

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

RESEARCH PUBLICATIONS

1. In Peer Reviewed Indexed Journals with Impact Factor and Citations -

Sl. No.	Title	Authors	Journal/ Vol., Page No and Year	ISSN	Impact Factor (2024)	No. of Citations
1	Investigation of Optical Properties of $\text{Ge}_x\text{Se}_{80-x}\text{Pb}_{20}$ Films	Kamal Kumar , L P Purohit, R Kumar, R M Mehra	J. Physics D: Applied Physics/ Vol. 42, Page-115108 and Year- 2009	1361- 6463	3.4	4
2	Molecular phase separation effects on calorimetric properties of $\text{Ge}_x\text{Se}_{80-x}\text{Pb}_{20}$ glasses	Kamal Kumar , L P Purohit, R M Mehra, Akash Deep	Chalcogenide Letters/ Vol. 08, Page-659 and Year- 2011	1584- 8663	0.885	1
3	Recovery of Pure ZnO Nanoparticles from Spent Zn-MnO ₂ Alkaline Batteries	Akash Deep, Kamal Kumar , Parveen Kumar, Pawan Kumar, Amit L Sharma, Bina Gupta, Lalit M Bharadwaj	Environmental Science and Technology/ Vol. 45, Page-10551 and Year- 2011	1520- 5851	11.4	53
4	Nanostructured Polyaniline Films on Silicon for Sensitive Sensing of Ammonia	Amit L. Sharma, Kamal Kumar , Akash Deep	Sensors and Actuators A/ Vol. 198, Page-107 and Year- 2013	0924- 4247	4.6	52
5	Optical Dispersion Parameters of Amorphous $\text{Se}_{70}\text{Te}_{30-x}\text{Pb}_x$ Films	P. Kumar Pal, H. Gupta, L. P. Purohit, K. Kumar , R. Kumar. R.M. Mehra	Journal of Ovonic Research/ Vol. 10, Page-127 and Year- 2014	1584 - 9953	1.165	--
6	Synthesis and Solar Cell Application of a Composite of Eu-BTB MOF with Functionalized Graphene	Sandeep Kumar Sharma, Harmeet Kaur, Kamal Kumar , Mintu Tyagi, Akash Deep	Materials Research Express/ Vol. 5, Page-125501 and Year- 2018	2053- 1591	2.3	4
7	Synthesis and solar cell application of a Ti (metal)-organic framework/carbon nanotube composite	Sandeep Kumar Sharma, Kamal Kumar , A K Paul	Materials Research Express/ Vol. 6, Page-125050 and Year- 2019	2053- 1591	2.3	7
8	Studies on phase transitions and dielectric properties of biowaste synthesized porous carbon nanoparticles–ferroelectric liquid crystal mixture	Shilpa Chaudhary, Poonma Malik, Khushboo, Ashwani Kumar Singh, Gagandeep Kaur, Kamal Kumar , Gurumurthy Hegde, Rajbir Singh, Pankaj Kumar, Praveen Malik	Ferroelectrics/ Vol. 618, Page-365 and Year- 2024	1563- 5112	0.8	--

2. In Peer Reviewed conference proceedings – 04

Sl. No.	Title	Authors	Journal/ Vol., Page No and Year	ISBN	No. of Citations
1	Trap Limited Charge Transport in $\text{Ge}_x\text{Se}_{80-x}\text{Pb}_{20}$ Films	Kamal Kumar , L P Purohit, R Kumar, R M Mehra	AIP Conference Proceedings/ Vol. 1349, Page-579 and Year- 2011	978-0-7354-0905-7	--
2	Signature of MN Rule in Ac Conductivity of $\text{Ge}_x\text{Se}_{80-x}\text{Pb}_{20}$ Films	Sataxi Joshi, Kamal Kumar , L P Purohit, R Kumar, R M Mehra	AIP Conference Proceedings/ Vol. 1391, Page-787 and Year- 2011	978-0-7354-0960-6	1
3	Physical Properties of GeSePb Glasses	Kamal Kumar , L P Purohit, R Kumar, R M Mehra	Proceedings of International Conference on Optics and Photonics held at CSIO-CSIR, Chandigarh (Oct 30-Nov 1, 2009) Vol. PSG1, Page-14 and Year- 2009	978-93-80813-31-8	--
4	Meyer-Neldel Rule in ac Conductivity of GeSePb Films	Sataxi Joshi, Kamal Kumar , R Kumar, R M Mehra, L P Purohit	Proceedings of National Conference on Advancements and Futuristic Trends in Material Science held at Rohilkhand University (March 26-27, 2011) (published by Allied Pub Pvt Ltd, A-104, Mayapuri Phase II, New Delhi-110 064) Page-135 and Year- 2011	978-81-8424-706-0	--

Dr. (Kamal Kumar)
Assistant Professor (Physics)
Bhakt Darshan Govt. Post Graduate College Jaiharikhal
(Pauri-Garhwal) Uttarakhand, India