

CV of Teaching Faculty

Personal Information:

- **Full Name:** Dr. Shammi Kumar
- **Contact Information:**
 - Address: JMC-949 Poonch House Talab Tillo Jammu-180002
 - Phone Number: 7889605659, 9419142228
 - Email:kumarsju@gmail.com
- **Date of Birth:** 10-10-1981



Educational Qualifications:

- **Degree:** M.Sc., M. Phil., Ph.D.
- **Specialization:** Condensed Matter Physics
- **University/Institution:** University of Jammu
- **Year of Passing:** M.Sc. 2005, M.Phil, 2006, Ph.D.2023

Professional Experience:

- **Teaching Experience:** U.G. level
 - **Designation:** Associate Professor
 - **Institution:** GDC Akhnoor, Palwan J&K
 - **Duration:** 16 years during posting at different colleges
- Industry Experience: Nil
- Administrative Experience: As H.O.D. since 2020

Details of Orientation/Refresher/FDP/Induction Program Attended:

Name of the Course:

(1) UGC Refresher course in Physics

Year:2008

Organization: Academic Staff College University of Jammu

(2) General Orientation course

Year:2009

Organization: Academic Staff College University of Jammu

(3) UGC Refresher course in Physics

Year:2013

Organization: Academic Staff College University of Jammu

(4) Short term course on Mooc's & e-content development

Year: 2015

Organization: UGC-HRDC University of Jammu

(5) UGC-HRDC Refresher Course in Physics

Year: 2020

Organization: UGC-HRDC under RUSA University of Jammu

Research and Publications:

LIST OF PUBLICATIONS

1. **Naresh Padha***, **Shammi Kumar**, “*A two-step method to obtain the 2D layers of SnSe₂ single phase and study its physical characteristics for photovoltaic and photo-converter devices*”, J. Applied Physics A (2021) 127-877. <https://doi.org/10.1007/s00339-021-04992-x>
2. **Shammi Kumar**, **Arun Banotra**, **Naresh Padha***, **Shafiq Ahmed** “*Effect of substrate and annealing temperature on the physical properties of the thin films of SnSe₂-SnSe alloy*” J. Optical Materials <https://doi.org/10.1016/j.optmat.2022.113078>
3. **Hamnesh Mahajan**, **Shammi Kumar**, **Anjori Sharma**, **Ibrahim Mohd**, **Manisha Thakurimrandeep Kour Kaur** and **Ajeet Kumar Srivastava*** “*Structural, morphological and electrochemical investigation of Mn_{0.3}Co_{0.2}Zn_{0.5}FE₂O₄-polyaniline nanocomposites for supercapacitor application*” J. Material Science: Mater Electron (2022) <https://doi.org/10.1007/s10971-022-06022-s>
4. **Hamnesh Mahajan**, **Shammi Kumar**, **Anjori Sharma**, **Ibrahim Mohd**, **Manisha Thakur**, **Amarjeet Kaur**, **A. K. Srivastava*** “*Effect of Sintering temperature on structural, morphological, magnetic and electrochemical properties of Mn_{0.3}Co_{0.2}Zn_{0.5}FE₂O₄-Ferrite*” J. of Sol –Gel Science and Technology (2022) <https://doi.org/10.1007/s10854-022-09335-x>

ORAL PRESENTATION

1. **S. Kumar**, **A. Banotra**, **N. Padha*** “*Study of phase transformations and their impact on the physical properties of SnSe₂ thin films*” 14th JK Science Congress Department of Physics, University of Jammu December, 20-22 (2020).
2. **S. Kumar**, **A. Banotra**, **N. Padha*** “*Effect of substrate temperature on the structural and optical properties of Sn-Se alloy*” International Conference on Technologies for Small Green Connected Societies-2021 held at Yamagata University Japan November 29-30, (2021)/online/worldwide.

POSTER PRESENTATIONS

1. **Shammi Kumar**, **Arun Banotra**, **Naresh Padha*** “*Impact of the annealing temperature on the optical and structural properties of thermally evaporated tin – diselenide (SnSe₂) thin films*” Two days International Conference on Recent Advances in Interdisciplinary Sciences held at Department of Electronics, University of Jammu January, 11-12 (2019).

CONFERENCES/FDPs/WORKSHOPS

- (1) Participated in 12th JK Science Congress organized by University of Jammu in Collaboration with J&K State Science Technology and Innovation Council w.e.f. 2-4th March 2017.
- (2) Participated and presented paper titled “*Importance of Differential Equations in Physics*” in National conference on “**Role of Mathematics and Computer science in the Development of Physics**” held at GDC w.e.f. 10-11th November 2017 at GDC Kathua.
- (3) Participated and presented paper titled “*Role of Poission and Laplace Equations in Electrostatics*” in National conference on “**Role of Mathematics and Computer Science in the Development of Physics**” held at GDC w.e.f. 10-11th November 2017 at GDC Kathua.
- (4) Participated and presented paper titled “*Fluctuations in Pseudorapidity Distribution of Photons in Pb-Pb collisions*” in “**International Conference on Mechanical Engineering and Allied Sciences (ICMEAS-2018)**” w.e.f 14-15 September, 2018 at School of Mechanical Engineering, SMVDU, Katra.
- (5) Attended One week’s workshop on “**Mooc’s & e-content Development**” w.e.f. 22nd Oct-27th Oct, 2018 organized by UGC-HRDC, University of Jammu.
- (6) Attended 05 days FDP on “**Role of Libraries and LIS Professionals during Pandemic Period**” w.e.f. 3rd -7th June,2020 organized by Department of Library Sciences University of Jammu in association with Indian Institute of Technology, Jammu.
- (7) Attended one-week FDP on “**Advances in Structural Engineering**” w.e.f. 7th-12th September, 2020 organized by Department of Civil Engineering, GCET, Jammu under the aegis of TEQUIP-III
- (8) Attended 03 days FDP on “**Professional Development Training Programme for Faculty & Administrators of Project Institutions of Technical Education Quality Improvement Programme – III (TEQIP – III)**” under the aegis of National Project Implementation Unit, Ministry of Education, Government of India, 11-13 January, 2021 at IIM, Visakhapatnam
- (9) Attended 05 days FDP on “**Recent Emerging Trends in Electrical Engineering**” w.e.f. 31-04 February, 2022 at Department of Electrical Engineering, GCET, Jammu.

Projects and Grants:

- Research Projects: Nil
 - Title:
 - Funding Agency:
 - Amount Sanctioned:

Membership in Professional Bodies: N.A.

- Memberships:

Awards and Recognitions: N.A.

- Awards:
- Recognitions:

Additional Responsibilities:

- Roles in Committees/Cells:

(1) Convenor of Electrification committee

(2) Members of College Development committee

(3) Member of College Purchase committee

(4) Member of MTS committee

- **Extra-curricular Activities:** Organised celebration of IETE students day in collaboration with Institution of electronics and Tele-Communication Engineers (IETE) on 01-03-2024.
- **Organized** the coverage of the live streaming for the staff and students of GDC Akhnoor of the event ViZ; 'India's Techade: Chips for Viksit Bharat' and foundation stone layed by Hon'ble Prime Minister of India, for three semiconductor projects on 13th March, 2024.
- **Organised** coverage of live telecast programme of Hon'ble PM of India in the college on 20-06-2024.