

RESUME

Dr. SHARAD PANDEY

Ph.D. (Physics)

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SUMMARY: I belong to the teaching profession and research. The PhD degree was awarded in 2021 for my PhD research work from Chhatrapati Shahu Ji Maharaj University, Kanpur (UP), India. My PhD work is based on the characterization of swift heavy ion-induced amorphous chalcogenide thin films under the supervision of Dr Rashmi Chauhan Dept. of Physics, D.A-V. College, Kanpur (UP), India. There are six research papers published in UGC and Scopus indexed journals from the thesis.

Published Papers:

1. R. Chauhan, S. Pandey, S.G. Prasad, Effect of 80 MeV Si swift heavy ion irradiation on $\text{Ge}_{22}\text{Se}_{78}$ thin films for optical applications, Chalcogenide Lett. 15 (2018) 267–279. (ISSN 1584-8663, IF 0.779)
2. S. Pandey, S.G. Prasad, R. Chauhan, Optical and Structural Changes in Swift Heavy Ion Irradiated Selenium Based Amorphous Chalcogenides for Optical Applications, Ferroelectrics. 551 (2019) 74–86. (ISSN: 1563-5112, IF 0.750)
3. S. Pandey, R. Chauhan, Band gap engineering using 100 MeV Ag swift heavy ion irradiation in amorphous $\text{Ge}_{23}\text{Se}_{62}\text{As}_{15}$ thin films, in: AIP Conference Proceedings 2265, 030322 (2020). (ISSN: 1551-7616, IF 0.040)
4. S. Pandey, R. Chauhan, Optical And Structural Properties Of 100 MeV Ag Swift Heavy Ion Irradiated Amorphous $\text{Ge}_{24}\text{Se}_{61}\text{Sb}_{15}$ Thin Films, Chalcogenide Lett. 17 (2020) 573–582. (ISSN 1584-8663, IF 0.779)
5. S. Pandey, R. Chauhan, Optical and structural modification in amorphous $\text{Ge}_{24}\text{Se}_{61}\text{Sb}_{15}$ thin films under 80 MeV Silicon swift heavy ions for telecom and optical applications, Opt Mater. 111 (2021) 110686. (ISSN: 0925-3467, IF 2.779)
6. S. Pandey, R. Chauhan, Contribution of 80 MeV Silicon Swift Heavy Ion Irradiation for Reforming of Optical and Structural Properties of Amorphous $\text{Ge}_{23}\text{Se}_{62}\text{As}_{15}$ Thin Films for Telecommunication and Sensing Applications, J Non-Cryst Solids. 554 (2021) 120597. (ISSN: 0022-3093, IF 2.929)
7. R Chauhan, S. Pandey, R. Pandey, Structural Analysis of UV Exposed Amorphous $\text{As}_{40}\text{Se}_{60}$ Thin Films using Raman Spectroscopy, Bulletin of Laser and Spectroscopy Society of India. 22 (2016) 115.

8. R. Chauhan, S. Pandey, Material Science and Technology for Ganga Pollution Prevention, Academic Social research, 12 (2016).
9. R. Chauhan, S. Pandey, The Ganga River Pollution: Analysis, Action and Remedies, Academic Social research, 12 (2016).
10. R. Chauhan, S. Pandey, The thin Film Application in Nanotechnology, Proceedings of National Seminar on Nano Science & Nano Biotechnology 2017..

Professional Experience:

1. Presently work as Assistant Professor in Dr Ram Manohar Post Graduate College, Kalyanpur, Kanpur, India since 2022.
2. Work as Assistant Professor in Viredra Swaroop Group of Institution, Unnao from 2013 to 2015.
3. Work as Assistant Professor in Krishna Institute of Technology, Kanpur from 2009 to 2013.
4. Work as physics faculty in Kailash Saraswati Inter College, Kalyanpur, Kanpur from 2008 to 2009.
5. Work as Physics faculty in private coaching from 2000 to 2008.

Educational/Professional Background:

Exam	Board/University	Year	Results/percentage	Subjects
Ph.D.	CSJM University, Kanpur (U.P.) India	2021	Awarded	Physics
Common Eligibility Test PhD 2012	Dr Ram Manohar Lohia Avadh University, Faizabad	2012	Eligible	Physical Science
M.Sc.	CSJM University, Kanpur	2000	Second Division, 55.16%	Physics
B.Sc.	CSJM University, Kanpur	1997	Second Division, 57.7%	Physics, Mathematics, Chemistry
Intermediate	Board of High school and Intermediate Education, UP	1993	First Division, 65.6%	Physics, Mathematics, Chemistry, English, General Hindi
High School	Board of High school and Intermediate Education, UP	1991	First Division, 71.66%	Science Two, Mathematics Two, Hindi, English, Biology, Social Science.

Responsibilities Completed:

1. Worked as controller of examination in even semester session 2022-23 at Dr Ram Manohar Lohia PG College, Kalyanpur, Kanpur.
2. Worked as controller of examination in odd semester session 2022-23 at Dr Ram Manohar Lohia PG College, Kalyanpur, Kanpur.
3. Technical Assistant of the “national seminar on nano science and nano biotechnology 2017”.

Personal Information:

Father: Late Om Dutt Pandey
Mother Smt. Urmila pandey
Residence 12/541, Gwaltoli, Kanpur (UP), India
Marital Status Married
Date of Birth 01-01-1977

This information is correct according to the best of my knowledge.



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