Curriculum Vitae

Name: Ms. SUDESH KUMARI

Designation: Assistant Professor

Department: Physics

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Area of specialization: Materials Science

Academic Qualifications:

Sr. no.	Degree	Year	Board/Univ./Inst.	%of marks	Div./ Rank	Subjects Taken
1.	Ph.D.	Submitted	Punjabi University, Patiala			Physics
2.	UGC-NET	2009	CSIR, New Delhi			Physics
3.	M.Sc.(H.S.)	2009	Panjab University, Chandigarh	74.70	1st	Physics
4.	B.Sc. (N.M.)	2007	Panjab University, Chandigarh	83.80	1st	Physics, Chemistry, Maths, English and Punjabi
5.	12th	2004	P.S.E.B. Mohali	83.33	1st	Physics, Chemistry, Maths, English and Punjabi
6.	10th	2002	I.C.S.E. New Delhi	81.33	1st	Science, Maths, English, Punjabi, Geography, Social Science, History and Civics

Medals/ Awards/ Honours Received:

1. 2nd Position in K.M.V. College Jalandhar in 6th National Science Olympiad, 2003.
2. 3rd Position in B.Sc. II in Government College, Hoshiarpur Merit List for session 2005-06.
3. 2nd Position in B.Sc. III in Government College, Hoshiarpur Merit List for session 2006-07.

Scholarships:

Prof. Hans Raj Bhatla Scholarship in B.Sc. III for extra-ordinary performance in University exam for session 2007-08.

Details of Experience:

Sr. no.	Name of Inst./Employer	Position Held	Duration	Major Job Responsibilities and Nature of Experience
1.	Punjabi University, Patiala	Assistant Professor	25th July 2013 till present	Teaching and Departmental Responsibilities
2.	Sant Longowal Institute of Engineering and Technology, longowal	Assistant professor	9th August 2010 to 24th July 2013	Teaching and Departmental Responsibilities
3.	Dr. B.R. Ambedkar National Institute of Technology, Jalandhar	Lecturer	28th January 2010 to 6th June 2010	Teaching and Departmental Responsibilities
4.	Doaba College, Jalandhar	Lecturer	4th August 2009 to 27th January 2010	Teaching and Departmental Responsibilities

List of Papers/Courses taught at P.G. and U.G. Level:

Sr. no.	Paper/Course	Class
1.	Mathematical Physics	M.Sc.
2.	Applied Physics-I	B.Tech.
3.	Applied Physics-II	B.Tech.

4.	Materials Science and Engineering	B.Tech.
5.	Analog Electronics	M.Sc.
6.	Digital Electronics	M.Sc.

Administrative/Academic Experience:

1. Member of various Departmental Committees (Admission Committee, Fee Concession Committee, Orientation Committee, Discipline Committee, Anti-Ragging Committee etc) constituted from time to time since 2013 at Punjabi University, Patiala.
2. Member of Syllabus and Ordinance Preparation Committee for Integrated M.Sc. Physics (Honors School), 2019.
3. Member of Decoration Committee for Three Days National Workshop on, "Latex and Technical Writing" organized by the Department of Basic and Applied Sciences, Punjabi University, Patiala from 23rd to 25th November 2018.
4. Member of Decoration Committee for Three Days National Workshop on, "Research Methods and Data Analysis using SPSS" organized by the Department of Basic and Applied Sciences, Punjabi University, Patiala from 29th to 31st March 2019.
5. Centre Superintendent for B. Tech. and FYIP M.Sc. Program in Physics during Feb-June 2022.
6. Member of Syllabus Revision Committee for M.Sc. (Physics), 2023.
7. Member of Venue Committee for One Day National Seminar on Condensed Matter Physics And Materials-CMPM 2023 organized by the Department of Physics, Punjabi University, Patiala on 08 May, 2023.

List of Conferences/Symposiums and Workshops attended/participated:

1. Presented a paper in, **"One Day National Seminar on Condensed Matter Physics and Materials CMPM-2023"** organized by Department of Physics, Punjabi University, Patiala on 8th May, 2023.

2. Presented a paper in, **"12th National Conference on "Chemical and Environmental Sciences: Advanced Innovations -2020"** organized by Department of Chemistry, Punjabi University, Patiala from February 19-20, 2020.
3. Participated in, **"69th Refresher Course in Research Methodology (I.D.)"** organized by UGC-HRDC at Punjabi University, Patiala from 1st December 2018 to 21st December 2018.
4. Presented a paper in International Conference on, **"Emerging Areas of Mathematics for Science and Technology"** organized by Department of Mathematics, Punjabi University, Patiala from 30th January to 1st February 2015.
5. Participated in, **"21st Orientation Programme"** organized by UGC-HRDC at Punjabi University, Patiala from 2nd June to 28th June, 2014.
6. Participated in National Symposium on, **"Emerging Trends in Physics for Ionizing Radiations, Aerosols and Materials Science"** organized by the Department of Physics, Punjabi University, Patiala from 13th to 14th December 2013.
7. Participated in Two days Training Programme in, **"Computational Techniques in Physics"** under, "Technical Education Quality Improvement Programme (TEQUIP) Phase-II" organized by the Department of Physics, Sant Longowal Institute of Engineering and Technology, Longowal from 23rd to 24th March 2013.
8. Participated in 2nd National conference on, **"Advanced Materials and Radiation Physics AMRP-2011"** organized by the Department of Physics, Sant Longowal Institute of Engineering and Technology, Longowal from 4th to 5th November 2011.

List of Papers Published in International Journals:

1. **Sudesh Kumari**, Rameez Ahmad Mir, Sanjay Upadhyay, O. P. Pandey and Anup Thakur, Impact of annealing on charge storage capability of thermally evaporated molybdenum oxide thin films, **Functional Materials Letters** , (2023) –In Press.

2. Thickness dependent structural, morphological and optical properties of molybdenum oxide thin films, ***Sudesh Kumari***, *Kamaljit Singh, Palwinder Singh, Sanjay Kumar, Anup Thakur*, **SN Applied Sciences** 2:1439, 1-6 (2020).

3. Structural and optical properties of thermally induced nanostructures in amorphous molybdenum oxide thin films, ***Sudesh Kumari***, *Palwinder Singh, Harpreet Singh, Kamaljit Singh, Akshay Kumar, Sanjay Kumar, and Anup Thakur*, **Journal of Materials Science: Materials in Electronics** 32, 24990–24996 (2021).

4. Effect of Annealing on Structural, Morphological and Optical properties of InSe thin films, *Harpreet Singh, **Sudesh Kumari**, Palwinder Singh, Akshay Kumar, Anup Thakur*, **Journal of Materials Science: Materials in electronics** 33, 23599–23606 (2022).

5. A review on GeTe thin film-based phase-change materials, *Kamaljit Singh, **Sudesh Kumari**, Harpreet Singh, Neeru Bala, Palwinder Singh, Akshay Kumar, Anup Thakur*, **Applied Nanoscience** 13, 95–110 (2021), ISSN-2190-5517.

Sudesh Kumari

Date : 20th September, 2023 **(Signature)**