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1. Name : Dr. Raminder Kaur
 2. Designation : Assistant Professor
 3. Department : Physics
 4. Date of Birth : 09-03-1979
 5. Correspondence address: : Department of Physics, Punjabi University, Patiala Punjab, PIN- 147 002, INDIA.



- E-mail : raminder_k_saini@yahoo.com
 6 Areas of Specialisation : Materials science and nanotechnology

7. Academic Qualifications:

Sr. no.	Degree Held	Year	Board/Univ./Inst.	% of marks	Div./Rank	Subjects Taken
1	B.Sc.	1999	Pondicherry University, Pondicherry.	70.24	NA	Physics, Chemistry, Maths
2	M.Sc.	2001	Guru Nanak Dev University, Amritsar.	67.05	NA	Physics
3	Ph.D.	2008	Thapar University, Patiala	N.A.	NA	Materials Sciences and Nanotechnology

8. Membership of Professional Bodies/Organisations

- i) Life Member, MRSI
 ii) Life Member, IPA

9. Medals/Awards/Honours/Received

10. Scholarships:

11. Details of Experience:

S. No.	Name of the Inst./Employer	Position Held	Duration	Major Job Responsibilities and Nature of Experience
1.	Punjabi University	Assistant Professor	Jan.2009 till date	Lectures

12. Published Work (Please specify numbers only) :

- a. Research Papers i) National =
 ii) International: 18
 b. Conference/Seminar Presentation: 18
 c. Book chapters: 02

11. R & D Projects

- i) DST, New Delhi funded project: 01

12. Invited Talks/Articles

13. Ph.D. Students guided/under guidance (Details) :03

Ph.D. students guided :02
 Ph.D. students under guidance :03
 M.Phil. students guided :01

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

S. No.	Paper	Class
1.	Physics 1	B.Tech. 1year
2.	Physics11	B.Tech. 1year
3.	Carbon nanotubes	M.Sc
4.	Atomic and molecular spectra	M.Sc and B.Sc
5.	Electromagnetic theory	B.Sc
6.	Nanomaterials	B.Sc
7.	Solid state Physics	M.Sc
8.	Materials Science	Ph.D. Course Work
9.	Analog systems and applications	B.Sc

15. Technical Proficiency

Proficient working in Microsoft Word and Microsoft Excel

16. List of Papers Published

(a) International Journals

Published

1. Navneet Kaur, Apoorva Katoch, Satyendra Singh and **Raminder Kaur**, “Study of Structural, “Properties of zirconium ferrite nanoparticles prepared by hydrothermal process”, *Materials Letters* 330, 133236 (2023).
2. Apoorva Katoch, Navneet Kaur, Vandana Shinde and **Raminder Kaur**, “Advanced Morphological, Structural, and Optical Study of Pure and Doped Zinc Oxide Thin Films for Transparent Electronics Applications, *Brazilian Journal of Physics* 53:61 (2023).
3. Meenakshi Patyal, Kirandeep Kaur, Nidhi Gupta, **Raminder Kaur**, and Ashok Kumar Malik, “Optical and Antimicrobial Activity of Nanostructured Mn(II) and Cu(II) Macrocyclic Complexes Derived from Aspartic Acid”, *Protection of Metals and Physical Chemistry of Surfaces*, 59, (2023).
4. Davinder Kumar, Avtar Singh, Vandana Shinde and **Raminder Kaur**, “Sol-Ageing Effect on the Structural and Optical Properties of Undoped and Doped ZrO₂ Thin Films”, *Protection of Metals and Physical Chemistry of Surfaces*, 58, 999–1010 (2022).
5. Avtar Singh, Davinder Kumar, Balraj Singh, Vandana Shinde and **Raminder Kaur**, “Fractal Analysis of Pure and Fe-Doped Manganese Oxide Supercapacitor Electrodes”, *Protection of Metals and Physical Chemistry of Surfaces*, 58, 991–998 (2022).
6. Avtar Singh, Davinder Kumar, Jasveer Kaur and **Raminder Kaur**, “Study of Structural, “Morphological and Electrochemical Properties of Multilayer Nanowires”, *Trends in Sciences* 19, 16-5617 (2022).
7. Davinder Kumar, Avtar Singh, Navneet Kaur, Apoorva Katoch and **Raminder Kaur**, “Effect of Annealing Temperature on the Structural and Optical Properties of ZrO₂ Thin Films”, *Korean J. Mater. Res.* 32, 5 (2022).
8. Avtar Singh, Davinder Kumar, Anup Thakur, Balraj Singh Saini, Nidhi Gupta, Vandana Shinde and **Raminder Kaur**; “Galvanostatic Deposition of Manganese Oxide Films for Supercapacitive Application and their Fractal Analysis”, *Ionics*, 27:2193 (2021).
9. Davinder Kumar, Avtar Singh, B.S. Saini, B.C. Choudhary, Vandana Shinde and **Raminder Kaur**, “Effect of Ni Doping on the Structural and Optical Properties of ZrO₂ Thin Films”, *Journal of Electronic Materials*, 50 : 65 (2020).
10. Avtar Singh, Davinder Kumar, Anup Thakur, Balraj Singh Saini and **Raminder Kaur**, “Enhanced performance of Fe-doped manganese oxide films as supercapacitor electrodes”, *Bulletin of Materials Science*, 43: 165 (2020).
11. Davinder Kumar, Avtar Singh, Navneet Kaur, Anup Thakur, and **Raminder Kaur**, “Tailoring structural and optical properties of ZrO₂ with nickel doping”, *SN Applied Sciences*, 2 (4): 1-8 (2020).
12. Avtar Singh , Davinder Kumar, AnupThakur and **Raminder Kaur**, “*Morphology controlled electrochemical capacitive behaviour of manganese oxide films*”, *Functional Materials Letters*, Vol. 12, No. 1(1850099), 2019.
13. Avtar Singh , Davinder Kumar, AnupThakur and **Raminder Kaur**, “Effect of mass density on surface morphology of electrodeposited manganese oxide films”, *AIP conference proceedings*, 1953, 030088, doi:10.1063/1.5032423, 2018

14. Davinder Kumar, Avtar Singh, Manpreet Kaur, Vikrant Singh Rana and **Raminder Kaur**, "Structural and Morphological Study of ZrO₂ thin films", AIP conference proceedings, 1953, 030246, doi:10.1063/1.5032581, 2018.
15. Davinder Kumar, Avtar Singh, Manpreet Kaur, Vikrant Singh Rana and **Raminder Kaur**, "Investigation of phase transition properties of ZrO₂ thin films", AIP conference proceedings, 1953, 030074, doi:10.1063/1.5032409, 2018.
16. Manpreet Kaur, Avtar Singh, Davinder Kumar, Jagmeet Singh, and Raminder Kaur, "Morphological comparison of two etching techniques for multicrystalline silicon wafers," in AIP Conference Proceedings, vol. 2006, no.1, p. 030030, 2018.
17. Jasveer Kaur, Avtar Singh, Davinder Kumar, Anup Thakur, and Raminder Kaur, "Fabrication of multilayer nanowires", AIP Conference Proceedings, 1728, 020677; doi: 10.1063/1.4946728, 2016.
18. Raminder Kaur, "Effect of ultraviolet radiation on structural properties of nanowires", International Journal on Organic Electronics, 4: 1-8, 2015.
19. Raminder Kaur, "Fabrication and characterization of nickel nanowires", International Journal on Organic Electronics, 3: 1-8, 2014.
20. Raminder Kaur, N.K. Verma and S.K. Chakarvarti, "Synthesis and characterisation of chromium nanostructures", Atti della Fondazione Giorgio Ronchi, 745-750, 2009.
21. Raminder Kaur, N.K. Verma and S.K. Chakarvarti, "Morphological, structural and optical characterization of nickel nanostructures fabricated through electrochemical template synthesis", Journal of Materials Science, 42: 8083-8087, 2007.
22. Raminder Kaur, N.K. Verma and S.K. Chakarvarti, "Morphological, structural and optical characterization of nickel nanostructures", Journal of Materials Science, 42: 5629-5631, 2007.
23. Raminder Kaur, N.K. Verma and S.K. Chakarvarti, "Structural analysis of electrodeposited copper microstructures fabricated through template synthesis", Journal of Materials Science, 42: 3588-3591, 2007.
24. Raminder Kaur, N.K. Verma, S.K. Chakarvarti and S. Kumar, "Fabrication of copper microcylinders in polycarbonate membranes and their characterization", Journal of Materials Science, 41: 3723-3728, 2006.
25. G.S. Sekhon, N.K. Verma, S.K. Chakarvarti, Sunil Kumar and Raminder Kaur, "Fabrication of microstructures by using improved version of Template Synthesis Cell", Atti della Fondazione Giorgio Ronchi, 59 (4): 529-534, 2004.

17. Books Published/ Edited/ Book Chapters Contributed

1. B.S. Saini and Raminder Kaur (Under review), "X-Ray Diffraction (XRD)", Chapter in Handbook of Modern Coatings Technologies, Vol.2: Characterization of modern coatings (Ed.-Mahmood Aliofkhaeaei), Elsevier, (2017): Project URL: <http://booksite.elsevier.com/9780444632401/>.
2. Raminder Kaur, Jobanpreet Singh and Balraj Singh Saini, "Frugal Techniques for Depositing Nanofilms", Chapter in Advances in Nanotechnology, Nova Science Publishers, Inc., Hauppauge, NY 11788, USA, Vol.20: 119-148, 2017.

Date: __/__/____

(Signature of the Teacher)