CURRICULUM-VITAE

Dr. Sajjan Dahiya

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Sajjan Dahiya

Professor of Physics,
M.D. University Rohtak

Ion-Conducting Oxide Glasses
UV Detectors
Multiferroics
EMI Shielding
Supercapacitors

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EDUCATIONAL QUALIFICATIONS

Degree	Year of Passing	University/Institute
Ph.D. (Physics)	**2014**	**M. D. University Rohtak**
M.Tech. (Solid State Materials)	**2009**	**I.I.T. Delhi**
M.Sc. (Physics)	**2005**	**M. D. University Rohtak**

CAREER PROFILE

- Worked as Assistant Professor, Department of Physics, Maharshi Dayanand University, Rohtak from 21st September 2010-20th September 2022
- Worked as Associate Professor, Department of Physics, Maharshi Dayanand University, Rohtak, from 21st September 2022 -20th September 2025
- Working as Professor, Department of Physics, Maharshi Dayanand University, Rohtak, from 21st September 2025 onwards

ACADEMIC/RESEARCH EXPERIENCE: 15+ Years

AREA OF RESEARCH

Materials Science, Ion Conducting materials, Materials for Dye degradation and UV Detection.

ACHIEVEMENTS

- Qualified **"CSIR-UGC NET"** for the **JRF** in **Dec. 2006** (***Within the top 20% of Awardees***)
- Qualified "GATE – Physics (2007)", **AIR- 45**

RESEARCH GUIDANCE:

No. of Students Supervised	**Ph.D. Completed**	**Ph.D. Thesis Submitted**	**Ph.D. Ongoing**
	06	**00**	**06**

PROJECTS UNDERTAKEN & LIST OF PUBLICATIONS

Projects Undertaken

- UGC Minor Research Project**: Reference No.: F. No. 41-1312/2012(SR) "**Synthesis and Characterization of Sm, Bi, and Fe Modified Pb-based Solid Solutions for Multiferroics Properties". **Duration:** 2 years (July 2012 – June 2014)
- One ongoing innovative project under MDU Innovation and Startup Policy is the "Development of Highly Sensitive and fully automated Gas Sensing System for Hazardous Gases and Chemical Vapors" **(Co-PI).**
- One ongoing innovative project under MDU Innovation and Startup Policy is the "Designing and Fabrication of Ultraviolet Photodetector Measurement Set-up" **(PI).**

RESEARCH PUBLICATIONS

A. ***Patent***

- Indian Patent entitled **"Highly Pure Red Color Emitting Eu^{3+} -Doped Ternary Nanocomposite with Enhanced Luminescence and Thermal Stability"** has been published vide Patent issue no. 42/2024 dated 18/10/2024.

B. ***Book Chapters***

- Neha Sehrawat, Manju Bala, Preeti Sharma, **Sajjan Dahiya**, Rajesh Punia; "**Developments in Sodium-Ion Based Cathode Materials for Energy Storage Applications. Materials for Boosting Energy Storage", Volume 1:** Advances in Sustainable Energy Technologies 2024, Pages 293-321 (Publisher: American Chemical Society).

- Sukhbir Singh, **Sajjan Dahiya,** Anil Ohlan, Rahul Tripathi; **"Magnetic and Ferroelectric Properties of Sr-Based Z Hexaferrites with La Substitution: Towards Multiferroic Materials for Futuristic Technologies in Nanomaterials: Synthesis and Applications"** Nanomaterials: Synthesis and Applications. Newcastle UK, 2024, (Publisher: Cambridge Scholars).

C. ***List of Publications***

S. No.	Publication	Impact Factor
110.	Perovskite decorated reduced graphene oxide nanocomposites: Enhanced electromagnetic shielding in 12.4-18 GHz, Malik, Sanket, Chahal, Ritu, **Dahiya Sajjan**, Punia, Rajesh, Maan A.S., Nain, Abhimanyu, Singh, Kuldeep, Tripathi, Rahul, Ohlan, Anil, Journal of Physics and Chemistry of Solids, **215** (2026) **113696**	**4.9**
109.	Effect of sodium/vanadium molecular ratio on mixed ionic-electronic conduction and relaxation in sodium vanadophosphate glasses for their use as electrode materials for sodium-ion batteries, Sehrawat, Neha, Sharma, Preeti, Kumar, Vipin Bala, Manju, Dahiya, Sajjan Punia, Rajesh, **Journal of Non-Crystalline Solids 684** (2026) 124107 **(Publisher: North-Holland).**	**3.5**
108.	Kamlesh Jangra, Anjli Sharma, Anisha Bhardwaj, Ojas Garg, Sapana Garg, Rajesh Punia, **Sajjan Dahiya,** Structural evolution and enhanced photocatalytic degradation of methylene blue by $LaAlO_3/Bi_2O_3$ (LABO) nanocomposites: Insights from Rietveld refinement and charge transport analysis **Ceramics International** (2026) **(Publisher: Elsevier).**	**5.6**
107.	Manju Bala, Neha Sherawat, Preeti Sharma, Jaswant K Yadav, **Sajjan Dahiya,** R Punia; Correlative analysis of electrical-structural properties of $60B_2O_3$. 15ZnO. xLi_2O.(25-x) Bi_2O_3 glass system, **Journal of Non-Crystalline Solids 672** (2026) 123854 **(Publisher: North-Holland).**	**3.5**
106.	Antim, Aman Kumar, Varsha, Jaswant K Yadav, **Sajjan Dahiya**, Rajesh Punia, Vinod Kumar, Amit Kumar; Phenyl-Flanked N-Substituted Diketopyrrolopyrrole: Synthesis, Characterization, and Application in Self-Powered Hybrid Photodetectors, **Journal of Electronic Materials,** 54(2025) 11490**(Publisher: Springer US).**	**2.5**
105.	Latisha Gaba a, Priya Siwach, Ishu Khatri, **Sajjan Dahiya**, Rajesh Punia, A.S. Maan, M. Aslam Manthrammel, Mohd. Shkir, Kuldeep Singh, Anil Ohlan; Towards durable and sustainable energy storage devices: Zinc nickel hexacyanoferrate supported by rGO/g-C_3N_4 coupled with Vachellia niloticabiomass-derived carbon for advanced asymmetric supercapacitors, **Chemical Engineering Journal 521** (2025) 166667 **(Publisher: Elsevier).**	**13.2**
104.	Ritu Chahal, Rashika Rathee, **Sajjan Dahiya,** Rajesh Punia, A.S. Maan, Kuldeep Singh, Rahul Tripathi, M. Aslam Manthrammel, Mohd Shkir, Anil Ohlan; *Mesoporous Ni0.5Cu0.5Co2O4@Co3O4 nanostructures: Template-assisted synthesis and RGO hybridization for high-performance electromagnetic shielding.* **Chemical Engineering Journal,** *520* (2025) 165715 **(Publisher: Elsevier).**	**13.2**
103.	Shubham Saurabh, Bhavesh Kumar, Neeraj Chauhan, V Dwivedi, Hari Tamang, **S Dahiya**, A Singh, Ashwani Kumar, SK Srivastava, Amit Kumar	**5.4**

	Singh, *Impact of sintering temperature on the structural, ferroelectric, dielectric, and electrochemical properties of $BiFeO_3$ nanoparticles*, **Inorganic Chemistry Communications 176** (2025) 114262 **(Publisher: Elsevier).**	
102.	Shriya Subramanyam, Lakshita Phor, Amanpreet Singh, **Sajjan Dahiya**, Gurpreet Singh Selopal, Ashok Kumar, Parveen Kumar, Surjeet Chahal, *Textile wastewater treatment using ternary hybrid nanocomposites of hexagonal NiO with MWCNT/GO.* **Journal of Water Process Engineering 71** (2025) 107149 **(Publisher: Elsevier).**	**6.7**
101.	Vanshika, Tunish, Rinki Dahiya, Ashima Makhija, Ravita, **Sajjan Dahiya,** R. Punia; *Physical, thermal, structural and optical properties of Dy3+-doped Lithium Calcium Alumino Borate (LCAB) glasses for photonic device applications.* **Journal of Molecular Structure, 1345** (2025) 143127 **(Publisher: Elsevier).**	**4.7**
100.	Aarti Rajpal, Ishpal Rawal, Anita Sharma, **Sajjan Dahiya,** Vijay Kumar, Parveen K Goyal; *Mott's variable range hopping conduction mechanism in polypyrrole/molybdenum disulphide-reduced graphene oxide nanocomposites.* **Journal of Materials Science: Materials in Electronics, 36** (2025) 899 **(Publisher: Springer US).**	**2.8**
99.	Aarti Rajpal, Ishpal Rawal, Anita Sharma, **Sajjan Dahiya,** Vijay Kumar, Parveen Kumar Goyal; *Polypyrrole/Molybdenum Disulfide/Reduced Graphene Oxide Ternary Nanocomposites: A Potential Material for EMI Shielding Applications.* **Journal of Inorganic and Organometallic Polymers and Materials, 36** (2025) 1-16 (**Publisher: Springer US).**	**4.9**
98.	Rinki Dahiya, Jyoti Ahlawat, Manju Bala, Anil Ohlan, **Sajjan Dahiya**, Rajesh Punia, AS Maan; *Unveiling the Potential of NiO on the Structural, Optical Properties and Ligand Field Parameters of Sodium Borate Glasses for Optoelectronics Applications.* **Journal of Molecular Structure, 1345** (2025) 142951 **(Publisher: Elsevier).**	**4.7**
97.	Deepika Yadav, Anjli Sharma, Anil Ohlan, **Sajjan Dahiya,** R Punia, AS Maan; *Study of crystal structure, morphological, optical and photocatalytic dye degradation properties of $BiVO_4$-Bi_2S_3 nanocomposites synthesized in-situ using facile and cost-effective hydrothermal method.* **Journal of the Taiwan Institute of Chemical Engineers, 174** (2025) 106199 **(Publisher: Elsevier).**	**6.3**
96.	Manju Nain, Sangeeta Kadyan, Ashima Makhija, Anil Ohlan, **Sajjan Dahiya**, Rajesh Punia, Anup Singh Maan; *Enhanced Luminescent and Thermally Stable in Situ Synthesis of Eu3+-Doped CaO/Y2O3/ZnO Nanocomposite for High Pure Red Colour Emitting and Latent Fingerprint Applications*. **Materials Research Bulletin**, **192** (2025) 113572 **(Publisher: Pergamon).**	**5.7**
95.	Sangeeta Kadyan, Manju Nain, Ashima Makhija, Anil Ohlan, **Sajjan Dahiya,** R Punia, AS Maan*; In-situ synthesis, structural and photoluminescence characterizations of Sm^{3+} doped Gd_2O_3/MgO nanocomposites.* **Journal of Molecular Structure, 1342**(2025) 142649 **(Publisher: Elsevier).**	**4.7**
94.	Ritu Chahal, Shivani Sheoran, **Sajjan Dahiya**, Rajesh Punia, AS Maan, Kuldeep Singh, IM Ashraf, Mohd Shkir, Anil Ohlan; *Spherical mesoporous NiCo2O4@ SrFe12O19 nanocomposites decorated on reduced graphene*	**9.2**

	oxide for efficient electromagnetic shielding performance. **Sustainable Materials and Technologies, 44**(2025) e01416 **(Publisher: Elsevier).**	
93	Priya Siwach, Latisha Gaba, **Sajjan Dahiya,** Rajesh Punia, AS Maan, Kuldeep Singh, Mohd Shkir, Anil Ohlan; *Advances in MXene-based composites for next-generation flexible supercapacitors: From design and development to applications*. **Advances in Colloid and Interface Science, 342**(2025)103526 **(Publisher: Elsevier).**	**19.3**
92.	Kamlesh Jangra, Anjli Sharma, Anisha Bhardwaj, Sapana Garg, Rajesh Punia**, Sajjan Dahiya**; *Impact of pH variation and radical scavenger on photocatalytic dye degradation of Rhodamine B dye using LaAlO3/ZnO nanocomposites synthesized by sol gel method.* **Materials Chemistry and Physics, 334**(2025) 130500 **(Publisher: Elsevier).**	**4.7**
91.	Ishu Khatri, Priya Siwach, Latisha Gaba, **Sajjan Dahiya**, Rajesh Punia, AS Maan, Kuldeep Singh, IM Ashraf, Mohd Shkir, Anil Ohlan; *Designing of novel hexamine-phenylenediamine covalent organic framework-metal oxide composites as electrode materials for supercapacitors.* **FlatChem, 50**(2025) 100835 **(Publisher: Elsevier).**	**6.2**
90.	Ritu Chahal, Sanket Malik, **Sajjan Dahiya,** Rajesh Punia, AS Maan, IM Ashraf, Mohd Shkir, Kuldeep Singh, Anil Ohlan; *Thermally Conducting Polyaniline Reinforced Expanded Graphite/TiO2/BaFe12O19 Nanocomposites: Electromagnetic Shielding Performance in Ku-Frequency Band.* **Ceramics International 51** (2025) 20303-20315 **(Publisher: Elsevier).**	**5.6**
89.	Ashima Makhija, Sangeeta Kadyan, Manju Nain, Anil Ohlan, **Sajjan Dahiya,** R Punia, AS Maan; *Energy Transfer in Ce-Sm co-doped in-situ synthesized Nanocomposites: Unveiling Structural, Morphological and Photoluminescent Properties for Enhanced Luminescence*. **Materials Research Bulletin,** 186 (2025) 113350 **(Publisher: Pergamon).**	**5.7**
88.	Jyoti Ahlawat, Suman Pawaria, Rinki Dahiya, Anil Ohlan, **Sajjan Dahiya**, Rajesh Punia, AS Maan; *Broadband Dielectric Spectroscopy: Unraveling Na+ Diffusion and Mixed Conduction in Na_2O- Modified Zinc Phosphate Glasses for Electrode Material Applications.* **Journal of Physics and Chemistry of Solids, 196**(2025) 112367 **(Publisher: Pergamon).**	**4.9**
87.	Amit Kumar, Rajesh Punia, **Sajjan Dahiya**, Nisha Deopa, Anand Kumar; *Investigating the influence of Sm3+ ions on the Optical and Photoluminescence behavior of BaAlPbB Glasses for Laser Applications.* **Journal of Molecular Structure 1327** (2024) 141203 **(Publisher: Elsevier).**	**4.7**
86.	Sanket Malik, Ritu Chahal, **Sajjan Dahiya**, Rajesh Punia, AS Maan, Abhimanyu Nain, Anil Ohlan; *Synergy of Reduced Graphene Oxide Composites with Cerium Doped Lanthanum Ferrite for High Frequency (12.4-18 GHz) Electromagnetic Shielding Application.* **Ceramics International** 50(2024) 52595 **(Publisher: Elsevier).**	**5.6**
85.	Priya Siwach, Latisha Gaba, Kanika Aggarwal, **Sajjan Dahiya**, Rajesh Punia, AS Maan, Kuldeep Singh, Yedluri Anil Kumar, Ayman A Ghfar, Anil Ohlan; *Nanostructured nickel doped manganese oxide/polypyrrole/graphitic carbon nitride hydrogel as high-performance supercapacitor electrodes.* **FlatChem**	**6.2**

	48(2024) 100778 **(Publisher: Elsevier).**	
84.	Ravinder Singh, Sunil Agrohiya, Ishpal Rawal, Anil Ohlan, **Sajjan Dahiya**, R Punia, AS Maan; *Polypyrrole nanofibers/phosphorus-doped graphene nanocomposite for efficient room temperature real-time monitoring of ammonia.* **Polymer Bulletin, 81**(2024) 14999-15017**(Publisher: Springer Berlin Heidelberg).**	**4.0**
83.	Anjli Sharma, Deepika Yadav, Anil Ohlan, **Sajjan Dahiya**, R Punia, AS Maan; *Hydrothermally synthesized Sr-doped In_2S_3 microspheres for efficient degradation of noxious RhB pollutants in visible light exposure.* **Journal of Industrial and Engineering Chemistry, 145**(2024) 360 **(Publisher: Elsevier).**	**6.0**
82.	Priya Siwach, Latisha Gaba, Kanika Aggarwal, **Sajjan Dahiya**, Rajesh Punia, AS Maan, Kuldeep Singh, Anil Ohlan; *Novel three-dimensional architectured ZnMgAl ternary layered double hydroxide@ reduced graphene oxide nanocomposites as electrode material for high-performance supercapacitor.* **Journal of Energy Storage, 98**(2024) 113055 **(Publisher: Elsevier).**	**9.8**
81.	Neha Sehrawat, Preeti Sharma, Manju Bala, Anil Ohlan, **Sajjan Dahiya**, Rajesh Punia, AS Maan; *Deciphering the thermal, physical, structural, and optical characteristics of sodium-doped vanadophosphate glasses.* **Optical Materials,** 155(2024) 115811 **(Publisher: Elsevier).**	**4.2**
80.	Latisha Gaba, Priya Siwach, Kanika Aggarwal, **Sajjan Dahiya**, Rajesh Punia, AS Maan, Kuldeep Singh, Anil Ohlan; *Hybridization of metal-organic frameworks and MXenes: Expanding horizons in supercapacitor applications.* **Advances in Colloid and Interface Science, 332**(2024) 103268 **(Publisher: Elsevier).**	**19.3**
79.	Ashima Makhija, Anjli Sharma, Sangeeta Kadyan, Anil Ohlan, **Sajjan Dahiya**, R Punia, AS Maan; *In-situ synthesis of samarium activated MgO–LaAlO3 nanocomposite for enhanced and prolonged phosphorescence.* **Ceramics International,** 51 (2025) 16758 **(Publisher: Elsevier).**	**5.6**
78.	Ritu Chahal, Shivani Sheoran, **Sajjan Dahiya**, Rajesh Punia, AS Maan, Kuldeep Singh, Anil Ohlan; *Lightweight carbon foam composites embedded with RGO/SrFe12O19 hybrid: Fabrication, structural and electromagnetic shielding performance in 8.2 to 12.4 GHz.* **Materials Research Bulletin,** 178 (2024)112906 **(Publisher: Pergamon).**	**5.7**
77.	Ravinder Singh, Sunil Agrohiya, Ishpal Rawal, Anil Ohlan, **Sajjan Dahiya**, R Punia**,** AS Maan; *Multifunctional porous polyaniline/phosphorus-nitrogen co-doped graphene nanocomposite for efficient room temperature ammonia sensing and high-performance supercapacitor applications.* **Applied Surface Science,** 160368 (2024) **(Publisher: North-Holland).**	**6.9**
76.	Anjli Sharma, Ashima Makhija, Lalita Saini, Anil Ohlan, **Sajjan Dahiya**, R Punia, AS Maan; *Cost-effective and eco-friendly synthesis of thermally stable Sr2+ doped Bi2S3 nanoflowers for efficient adsorption and visible-light-driven photocatalytic degradation of Rhodamine-B pollutant.* **Journal of the Taiwan Institute of Chemical Engineer,** 105534 (2024) **(Publisher: Elsevier).**	**6.3**

75.	Ashima Makhija, Anjli Sharma, Anil Ohlan, **Sajjan Dahiya**, Rajesh Malik, R Punia**,** AS Maan; *Enhanced luminescence of Dy-activated in-situ synthesized LaAlO3/MgO nanocomposites for cool wLED and latent finger printing applications.* **Journal of Luminescence,** 120625 (2024) **(Publisher: North-Holland).**	**3.6**
74.	Suman Pawaria, Jyoti Ahlawat, Nisha Deopa, Anil Ohlan, **Sajjan Dahiya**, R Punia**,** AS Maan; *Optimized growth of LiZnBO3 monoclinic phase in lithium zinc borate glass ceramics for electrode material.* **Ceramics International,** 23825-23838 (2024) **(Publisher: Elsevier).**	**5.6**
73.	Suman Pawaria, Jyoti Ahlawat, Preeti Sharma, Anil Ohlan, **Sajjan Dahiya**, Rajesh Punia**,** Anup Singh Maan*; Effect of Hold Time on Electrical Properties of Lithium Zinc Borate Glass Ceramics for Energy Storage Applications.* **Journal of Electronic Materials,** 1-14 (2024) **(Publisher: Springer US).**	**2.5**
72.	Ravinder Singh, Sunil Agrohiya, Ishpal Rawal, Anil Ohlan, **Sajjan Dahiya**, R Punia, AS Maan; *Porous polyaniline/flower-like hybrid phase MoS2/phosphorus-doped graphene ternary nanocomposite for efficient room temperature ammonia sensors.* **Synthetic Metals,** 117676 (2024) **(Publisher: Elsevier).**	**4.6**
71.	Sangeeta Kadyan, Manju Nain, Ashima Makhija, Poonam Punia, Anil Ohlan, **Sajjan Dahiya,** R Punia, AS Maan; *A bibliometric analysis of global research trend and progress on Dy doped materials.* **Journal of Alloys and Compounds Communications,** 100006 (2024) **(Publisher: Elsevier).**	**--**
70.	Latisha Gaba, Priya Siwach, Kanika Aggarwal, **Sajjan Dahiya**, Rajesh Punia, AS Maan, Kuldeep Singh, Anil Ohlan; *Synergetic effect of trimetallic double hydroxide nanospikes embraced N-doped graphene nanosheets as electrode material for supercapacitors.* **Carbon,** 119176 (2024) **(Publisher: Pergamon).**	**11.6**
69.	Ishpal Rawal, Parveen Kumar Goyal, **Sajjan Dahiya**; *Highly sensitive self-powered solar-blind ultraviolet photodetectors based on n-Zn1-xFexO/p-Si heterojunctions.* **Sensors and Actuators A: Physical,** 115268 (2024) **(Publisher: Elsevier).**	**4.9**
68.	Jyoti Ahlawat, Suman Pawaria, Anil Ohlan, **Sajjan Dahiya**, Rajesh Punia, AS Maan; *Correlation between Structural and Optical Characterizations of IR transparent Sodium Modified Zinc Phosphate Oxide Glasses.* **Journal of Molecular Structure,** 138794 (2024) **(Publisher: Elsevier).**	**4.7**
67.	Ravinder Singh, Sunil Agrohiya, Ishpal Rawal, Anil Ohlan, **Sajjan Dahiya**, R Punia, AS Maan; *PEDOT/flower-like 1 T-2H MoS2/nitrogen-doped graphene ternary nanocomposite for efficient room temperature real-time monitoring of ammonia.* **Journal of Materials Science: Materials in Electronics,** 921 (2024) **(Publisher: Springer US).**	**2.8**
66.	Priya Siwach, Latisha Gaba, **Sajjan Dahiya**, Rajesh Punia, AS Maan, Kuldeep Singh, Anil Ohlan*; Recent progress in conjugated polymers composites with metal-organic frameworks as electrode materials for supercapacitors.* **Applied Surface Science Advances** 100555 (2024) **Publisher: Elsevier).**	**8.7**
65.	Ritu Chahal, Yamini Dalal, **Sajjan Dahiya**, Rajesh Punia, AS Maan, Kuldeep	**8.7**

	Singh, Anil Ohlan; *Insitu assembly of Fe3O4@ FeNi3 spherical mesoporous nanoparticles embedded on 2D reduced graphene oxide (RGO) layers as protective barrier for EMI pollution.* **Applied Surface Science Advances,** 100545 (2024) **(Publisher: Elsevier).**	
64.	Anjli Sharma, Ashima Makhija, Deepika Yadav, **Sajjan Dahiya**, Anil Ohlan, R Punia, AS Maan; *Effect of Sr doping on electronic transport properties of SnS2 hexagonal nanoplates.* **Journal of Physics and Chemistry of Solids,** 111678 (2023) **(Publisher: Elsevier).**	**4.9**
63.	Ravinder Singh, Sunil Agrohiya, **Sajjan Dahiya**, Ishpal Rawal, Anil Ohlan, Rajesh Punia, AS Maan; *Room Temperature Ammonia (NH3) Gas Sensor based on Molybdenum Disulfide and Reduced Graphene Oxide (MoS2/rGO) Heterojunction.* **Journal of Physics: Conference Series,** 012022 (2023) **(Publisher: IOP).**	**-**
62.	Sukhbir Singh, **Sajjan Dahiya**, Rajesh Punia, AS Maan, PK Saini, Srinibas Satapathy, Rahul Tripathi, Anil Ohlan; *Investigation of the Structural, Dielectric, Magnetic, and Magnetoelectric Properties of Nd-Substituted Sr3Co2Fe24O41 Z-Hexaferrite.* **ECS Journal of Solid State Science and Technology,** 093012 (2023) **(Publisher: ECS).**	
61.	Kanishk Poria, Mukesh K Sahu, A Kumar, **Sajjan Dahiya**, Nisha Deopa, AS Rao; *Energy transfer mechanisms and color-tunable luminescence of $Tm^{3+}/Tb^{3+}/Eu^{3+}$ co-doped $Sr_4Nb_2O_9$ phosphors for high-quality white light-emitting diodes*, **RSC advances** 13 (2023) 33675-33687	**4.6**
60.	Sunil Agrohiya, Ravinder Singh, **Sajjan Dahiya**, Ishpal Rawal, Amit Kumar, Anil Ohlan, R Punia, AS Maan*; Fabrication of p-ZnCo2O4/n-Si spinel heterojunction devices for self-powered ultraviolet photodetectors: Effect of Zn2+ concentration.* **Journal of Alloys and Compounds,** 171855 (2023) **(Publisher: Elsevier).**	**6.3**
59.	Sanket Malik, Silki Sardana, **Sajjan Dahiya**, Rajesh Punia**,** AS Maan, Anil Ohlan*; Template based synthesis of mesoporous ferrite composites with reduced graphene oxide for Electromagnetic shielding application.* **Applied Surface Science Advances,** 00463 (2023) **(Publisher: Elsevier).**	**8.7**
58.	A Sharma, A Makhija, **S Dahiya**, A Ohlan, R Punia, AS Maan; *Rietveld refinement, Morphological, Optical and Photocatalytic Dye Degradation Studies of Pristine and Sr-Doped SnS2 Hexagonal Nanoplates.* **Materials Research Bulletin,** 112464 (2023) **(Publisher: Pergamon).**	**5.7**
57.	Silki Sardana, **Sajjan Dahiya,** Rajesh Punia, A. S. Maan, Kuldeep Singh and Anil Ohlan; *Hierarchical flower-like MoS2/reduced graphene oxide nanohybrids supported on nickel foam as a high-performance electrode material for supercapacitor applications.* **Journal of Materials Chemistry A** (2023) **(Publisher: Royal Society of Chemistry).**	**9.5**
56.	A Makhija, A Sharma, **S Dahiya**, N Deopa, R Malik, R Punia, AS Maan; *Green emission from trivalent cerium doped LaAlO 3/MgO nanocomposite for photonic and latent finger printing applications.* **RSC advances 13** (22), 15366-15378 (2023) **(Publisher: Royal Society of Chemistry).**	**4.6**
55.	S Agrohiya, R Singh, **S Dahiya**, I Rawal, A Ohlan, R Punia, AS Maan; *Self-*	**2.8**

	powered solar-blind UV photodetectors based on Zn: NiO/p-Si heterojunction devices. **Applied Physics A 129** (3), 233 (2023) **(Publisher: Springer Berlin Heidelberg).**	
54.	K Bhatt, S Kumar, **S Dahiya**, A Kumar, R Punia, CC Tripathi; *Graphene ink's processing parameters-controlled temperature coefficient of resistance of printed resistors.* **Indian Journal of Physics, 1-6** (2023) **(Publisher: Springer India).**	**1.7**
53.	A Kumar, Ravina Lohan, Nisha Deopa, Anand Kumar, RP Chahal, **S Dahiya**, R Punia, AS Rao; *Impact of Sm3+ ions on structural, thermal, optical and photoluminescence properties of ZnO–Na2O–PbO–B2O3 glasses for optoelectronics device applications.* **Optical Materials** 139, 113778 (2023) **(Publisher: North-Holland).**	**4.2**
52.	A Sharma, PK Goyal, I Rawal, A Rajpal, A Khokhar, V Kumar, **Sajjan Dahiya;** *Structural characteristics and opto-electrical properties of in-situ synthesized polyaniline films.* **Optical Materials** 131 (2022)112712	**4.2**
51.	Richa Pandey, Naveen Singhal, Parveen Kumar, **Sajjan Dahiya;** *Structural, capacitive and impedance properties of graphene oxide-PVDF composites for flexible electronics.* **IOP Conference Series: Materials Science and Engineering,** 1221 (2022) 012025	
50.	Manjeet Rani, **Sajjan Dahiya**, Neeraj Panwar; *Optical, dielectric and photocatalytic investigation on* $Dy_{1-x}Ho_xCrO_3$ *(x = 0, 0.5) perovskites.* **Ceramics International***,* 48, (2022) 19925-19936	**5.6**
49.	Sukhbir Singh, Pardeep Khichi, **Sajjan Dahiya**, Rajesh Punia, PK Saini, Srinibas Satapathy, Rahul Tripathi, Anil Ohlan; *Enhanced magnetoelectric coupling in novel rare earth metal substituted Sr based Z-hexaferrites/P (VDF-HFP) composites.* **Ceramics International** (2023) **(Publisher: Elsevier)**	**5.6**
48.	S Pawaria, J Ahlawat, P Sharma, **S Dahiya**, A Ohlan, R Punia, AS Maan; *Glass transition and crystallization kinetics of lithium modified zinc borate semiconducting glasses by non-isothermal method.* **Ceramics International 49** (14), 23276-23286 (2023) **(Publisher: Elsevier).**	**5.6**
47.	Seema Thakur, Vanita Thakur, Rajesh Punia, **Sajjan Dahiya**, Lakhwant Singh; *An insight into the temperature-dependent dielectric dispersion and conduction mechanisms in BaTiO3 modified bismuth borate glass-ceramic system.* **Journal of Non-Crystalline Solids 606,** 122184 (2023) **(Publisher: Elsevier).**	**3.5**
46.	Sunil Agrohiya, **Sajjan Dahiya**, Ishpal Rawal, Parveen Kumar Goyal, Anil Ohlan, Rajesh Punia**,** AS Maan; *Fabrication of ZnMn2O4 spinel thin film devices for solar-blind ultraviolet photodetectors: Effect of Zn2+ concentration.* **Journal of Materials Science: Materials in Electronics 34,** 6 1-21 (2023) **(Publisher: Springer International Publishing).**	**2.8**
45.	S Pawaria, J Ahlawat, **Sajjan Dahiya**, A Ohlan, R Punia, S Murugavel; *Investigation of AC conductivity and dielectric relaxation of lithium modified zinc borate semiconducting glasses for energy storage applications.* **Journal of Non-Crystalline Solids** 620 (2023)122592	**3.5**

44.	Sukhbir Singh, Pardeep Khichi, **Sajjan Dahiya**, Rajesh Punia, AS Maan, Rahul Tripathi, Anil Ohlan; *A systematic study of physical properties of La substituted Sr3Co2Fe24O41 Z-hexaferrites.* **Ceramics International 49,** 3 4599-4606 (2023) (Publisher: Elsevier).	**5.6**
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42.	Silki Sardana, Kanika Aggarwal, Sanket Malik, Ayushi Saini, **Sajjan Dahiya**, Rajesh Punia, AS Maan, Kuldeep Singh, Anil Ohlan; *Unveiling the surface dominated capacitive properties in flexible ternary polyaniline/NiFe2O4/reduced graphene oxide nanocomposites hydrogel electrode for supercapacitor applications.* **Electrochimica Acta 434,** 141324 (2022) **(Publisher: Elsevier).**	**5.6**
41.	Anjli Gupta, Silki Sardana, **Sajjan Dahiya**, Rajesh Punia, AS Maan, Kuldeep Singh, Rahul Tripathi, Anil Ohlan; *Binder-free polypyrrole/fluorinated graphene nanocomposite hydrogel as a novel electrode material for highly efficient supercapacitors.* **Applied Surface Science Advances 11** 100297 (2022) **(Publisher: Elsevier).**	**8.7**
40.	Jyoti Ahlawat, Suman Pawaria, Nisha Deopa, **Sajjan Dahiya**, Rajesh Punia, AS Maan; *Structural and Optical Characterization of IR transparent Semiconducting Sodium Modified Zinc Borate Glassy System.* **Applied Physics A 128 (10),** 1-14 (2022)**. (Publisher: Springer International Publishing).**	**2.8**
39.	Suman Pawaria, Manju Bala, Harshvardhan Duhan, Nisha Deopa, **Sajjan Dahiya**, Anil Ohlan, Rajesh Punia, AS Maan; *Study of crystallization and glass transition kinetics of bismuth-modified zinc vanadate glasses by non-isothermal method.* **Journal of Thermal Analysis and Calorimetry,** 1-12 (2022) **(Publisher: Springer International Publishing).**	**3.1**
38.	Suman Pawaria, Jyoti Ahlawat, Manju Bala, **Sajjan Dahiya**, Anil Ohlan, R Punia, AS Maan; *Structural and Optical Characterization of Semiconducting Lithium Modified Zinc Borate Glassy System for UV Band Reject Filter.* **Journal of Molecular Structure 1270,** 133836 (2022) **(Publisher: Elsevier).**	**4.7**
37.	Sunil Agrohiya, Vipin Kumar, Ishpal Rawal, **Sajjan Dahiya**, Parveen K Goyal, Vinod Kumar, Rajesh Punia**;** *Fabrication of n-TiO2/p-Si Photo-Diodes for Self-Powered Fast Ultraviolet Photodetectors.* **Silicon** 1-11 (2022). **(Publisher: Springer).**	**3.3**
36.	J Ahlawat, Suman Pawaria, Manju Bala, **Sajjan Dahiya**, Anil Ohlan, R Punia, AS Maan; *Study of thermal and physical properties of sodium modified zinc borate glasses.* **Materials Today: Proceedings** (2023) **(Publisher: Elsevier).**	**-**
35.	Ashima Makhija, R Punia, **Sajjan Dahiya**, Anil Ohlan, AS Maan; *Development trends of rare-earth luminescence: A bibliometric analysis.* **Materials Today: Proceedings** (2023) **(Publisher: Elsevier).**	**-**
34.	Anjli Sharma, Poonam Punia, **Sajjan Dahiya**, Anil Ohlan, R Punia, AS Maan; *Bibliometric analysis of tin disulphide nanomaterials.* **Materials Today:**	**-**

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33.	A. Kumar, Nisha Deopa, Anand Kumar, R. P. Chahal, **S. Dahiya**, R Punia, A. S. Rao; *Structural, thermal, optical and luminescence properties of Dy^{3+} ions doped Zinc Potassium Alumino Borate glasses for optoelectronics applications.* **Journal of Non-Crystalline Solids 588**, 121613 (2022). **(Publisher: Elsevier).**	**3.5**
32.	A Kumar, MK Sahu, **S Dahiya**, Nisha Deopa, Anand Malik, R Punia, AS Rao; *Spectral characteristics of Tb^{3+} doped $ZnF_2–K_2O–Al_2O_3–B_2O_3$ glasses for epoxy free tricolor w-LEDs and visible green laser applications.* **Journal of Luminescence 244,** 118676 (2022). **(Publisher: Elsevier).**	**3.6**
31.	Sushma Lather, Sukhbir Singh, **Sajjan Dahiya**, AS Maan, Rahul Singhal, Rahul Tripathi, Anil Ohlan; *Effect of mechanical milling on magnetic, dielectric and magneto-electric properties of Z-type (Ba, Sr) Hexaferrites.* **Journal of Alloys and Compounds** 902 (2022) 163807	**6.3**
30.	Silki Sardana, Anjli Gupta, AS Maan, **Sajjan Dahiya**, Kuldeep Singh, Anil Ohlan; *Design and synthesis of polyaniline/MWCNT composite hydrogel as a binder-free flexible supercapacitor electrode.* **Indian Journal of Physics,** 96, (2022) 433–439	**1.7**
29.	M Tijaria, Y Sharma, V Kumar, **Sajjan Dahiya**, J Dalal; *Effect of Na_2O on physical, structural and electrical properties of borate glasses.* **Materials Today: Proceedings,** 45(2021) 3722-3725	**-**
28.	R Punia, **Sajjan Dahiya**, S Murugavel, N Kishore, R P Tandon; *Understanding the electrode polarization in bismuth zinc vanadate semiconducting glasses from dielectric spectroscopy: A new insight on electrode polarization effect.* **Journal of Non-Crystalline Solids 574**, 121174 (2021). **(Publisher: Elsevier).**	**3.5**
27.	A.Kumar, Anu, M.K.Sahu, Ravita, **Sajjan Dahiya,** Nisha Deopa, Anand Malik, R.Punia, A.S.Rao; *Spectral characteristics of Tb^{3+} doped $ZnF_2–K_2O–Al_2O_3–B_2O_3$ glasses for epoxy free tricolor w-LEDs and visible green laser applications.* **Journal of Luminescence** 229 (2021) 117651	**3.6**
26.	J Dalal, S Malik, **S Dahiya**, R Punia, K Singh, A S Maan, S K Dhawan, Anil Ohlan; *One pot synthesis and electromagnetic interference shielding behavior of reduced graphene oxide nanocomposites decorated with $Ni_{0.5}Co_{0.5}Fe_2O_4$ nanoparticles.* **Journal of Alloys and Compounds, 161472** (2021). **(Publisher: Elsevier).**	**6.3**
25.	M Bala, S Pawaria, N Deopa, **S Dahiya**, A Ohlan, R Punia, A S Maan; *Structural, optical, thermal and other physical properties of Bi_2O_3 modified Lithium Zinc Silicate glasses.* **Journal of Molecular Structure 1234**, 130160 (2021). **(Publisher: Elsevier).**	**4.7**
24.	Sanju, Ravina, Anu, A Kumar, V Kumar, M K Sahu, **S Dahiya**, N Deopa, R Punia, AS Rao; *Physical, structural and optical characterization of Dy3+ doped ZnF_2-WO_2-B_2O_3-TeO_2 glasses for opto-communication applications.* **Optical Materials 114**, 110937 (2021). **(Publisher: Elsevier).**	**3.9**
23.	Ravina, Naveen, Sheetal, V Kumar, **S Dahiya**, N Deopa, R Punia, A S Rao;	**4.2**

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22.	P Redhu, A Hooda, P Sharma, **S Dahiya**, R Punia, RP Tandon; *Study of energy storage and electrocaloric behavior of lead-free Fe-doped BCT ceramics.* **Ferroelectrics 569** (1), 136-147 (2020). **(Publisher: Taylor & Francis).**)	**0.6**
21.	M Bala, S Agrohiya, **S Dahiya**, A Ohlan, R Punia, AS Maan; *Effect of replacement of Bi2O3 by Li2O on structural, thermal, optical and other physical properties of zinc borate glasses.* **Journal of Molecular Structure 1219**, 128589 (2020). **(Publisher: Elsevier).**	**4.7**
20.	Suman Kumari, Sanket Malik, Sandeep Kumar, Jasvir Dalal, **Sajjan Dahiya**, Anil Ohlan, Rajesh Punia, and A. S. Maan; *Excellent photoelectrical properties of ZnO thin film based on ZnO/epoxy-resin ink for UV-light detectors.* **AIP Conference Proceedings 2142,** 120004 (2019). **(Publisher: American Institute of Physics).**	**-**
19.	Sanket Malik, Suman Kumari, Anil Ohlan, **Sajjan Dahiya**, Rajesh Punia, and A. S. Maan; *Synthesis and structural characterization of light-weight ferrite-reduced graphene oxide composite.* **AIP Conference Proceedings 2142,** 160004 (2019). **(Publisher: American Institute of Physics).**	**-**
18.	Anil Kumar, Jasvir Dalal, **Sajjan Dahiya**, Amal Chowdhury, A. Khandual, Anil Ohlan, Rajesh Punia, and A. S. Maan; *Coating of multi-walled carbon nanotubes on cotton fabric via conventional dyeing for enhanced electrical and mechanical properties.* **AIP Conference Proceedings 2142**, 140019 (2019). **(Publisher: American Institute of Physics).**	**-**
17.	Sheetal Antil, Anil Ohlan,A. S. Maan, S. Lahon, Manoj Malik, R. Punia, **Sajjan Dahiya**; *Influence of hydrostatic pressure and spin orbit interaction on optical properties in quantum wire.* **Physica B: Condensed Matter 552** 202-208 (2019). **(Publisher: Elsevier).**	**2.8**
16.	Anil Kumar, Jasvir Dalal, **Sajjan Dahiya**, Rajesh Punia, K. D. Sharma, Anil Ohlan, A. S. Maan; *In situ Decoration of Silver Nanoparticles on Single-walled Carbon Nanotubes by Microwave Irradiation for Enhanced and Durable Anti-bacterial Finishing on Cotton Fabric* **Ceramics International 45** 1011-1019 (2019). **(Publisher: Elsevier).**	**5.6**
15.	Sushma Lather, Jasvir Dalal, Anjli Gupta, Sukhbir Singh, DP Singh, **Sajjan Dahiya**, AS Maan, Rahul Tripathi, Anil Ohlan; *$PbTiO_3$–$Ni_{0.5}Co_{0.5}Fe_2O_4$ multiferroic nanocomposites: Impact of ball-milling on dielectric, magnetic and ferroelectric properties.* **Ceramics International,** 45(4) 4957-4963(2019)	**5.6**
14.	Karmvir Singh, Neelam Berwal, Ishpal Rawal, **Sajjan Dahiya**, Rajesh Punia, Rakesh Dhar; *Determination of valence and conduction band offsets in $Zn_{0.98}Fe_{0.02}O$/ZnO hetero-junction thin films grown in oxygen environment by pulsed laser deposition technique: A study of efficient UV photodetectors.* **Journal of Alloys and Compounds 768** 978-990 (2018) **(Publisher: Elsevier).**	**6.3**
13.	Sunil Kumar, Jaswinder Pal, Shubhpreet Kaur, Vandana Sharma, **Sajjan**	**6.3**

	Dahiya, PD Babu, Mandeep Singh, Avijeet Ray, Tulika Maitra, Anupinder Singh; *Correlation between multiferroic properties and processing parameters in $NdFeO_3$-$PbTiO_3$ solid solutions.* **Journal of Alloys and Compounds** 764, 824-833(2018)	
12.	Jasvir Dalal, Sushma Lather, Anjli Gupta, **Sajjan Dahiya**, AS Maan, Kuldeep Singh, SK Dhawan, Anil Ohlan; *EMI shielding properties of laminated graphene and $PbTiO_3$ reinforced poly (3, 4-ethylenedioxythiophene) nanocomposites.* **Composites Science and Technology** 165, 222-230(2018)	**9.8**
11.	Vanita Thakur, Anupinder Singh, R. Punia, **S. Dahiya**, and Lakhwant Singh; *Structural properties and electrical transport characteristics of modified lithium borate glass ceramics.* **Journal of Alloys and Compounds 696** 529-537 (2017). **(Publisher: Elsevier).**	**6.3**
10.	**Sajjan Dahiya**, R. Punia, S. Murugavel, and A. S. Maan; *Conductivity and Modulus Formulation in Lithium Modified Bismuth Zinc Borate Glasses.* **Solid State Sciences 55,** 98 – 105 (2016). **(Publisher: Elsevier).**	**3.3**
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8.	**Sajjan Dahiya**, R. Punia, S. Murugavel, and A.S. Maan; *Structural and other physical properties of lithium doped bismuth zinc vanadate semiconducting glassy system*. **Journal of Molecular Structure 1079** 189–193 (2015). **(Publisher: Elsevier).**	**4.7**
7.	**S. Dahiya**, R. Punia, S. Murugavel, and A. S. Maan; *Temperature and frequency dependent conductivity of lithium doped bismuth zinc vanadate semiconducting glassy system.* **Indian Journal of Physics 88(11)** 1169 (2014). **(Publisher: Springer).**	**1.7**
6.	Vandana, Anupinder Singh, Lakhwant Singh, Anumeet Kaur, **Sajjan Dahiya** and Ratnamala Chatterjee; *Structural and dielectric properties of erbium doped $BiFeO_3$−$PbTiO_3$ solid solutions.* **American Institute of Physics Conf. Proc.** 1591, (2014) 110-12	
5.	Susheel Arora, **Sajjan Dahiya,** Virender Kundu, D. R. Goyal and A. S. Maan; *DSC and DC conductivity of $ZnO.LiF.B_2O_3$ glasse*s. **American Institute of Physics Conf. Proc.** 1536, (2013)	**-**
4.	**Sajjan Dahiya**, A. S. Maan, R. Punia, R. S. Kundu, and S. Murugavel; *Physical, optical and structural properties of xNa_2O−$(50−x)Bi_2O_3$−$10ZnO$−$40B_2O_3$ glasses.* **AIP Conference Proceedings 1512**, 566 (2013). **(Publisher: American Institute of Physics).**	-
3.	**Sajjan Dahiya**, A.S Maan, R. Punia, R.S Kundu and S. Murugavel; *Physical, Optical and Structural Properties of xLi_2O- (50-x) Bi_2O_3-$10ZnO$-$40B_2O_3$ Glasses.* **Transactions of the Indian Ceramic Society 71(4)**, 225 (2012). **(Publisher: Taylor & Francis).**	**1.5**
2.	R. Punia, R. S. Kundu, S. Dhankar, J. Hooda, **S. Dahiya** and N. Kishore; *Effect of Bi_2O_3 on structural, optical and other physical properties of semiconducting zinc vanadate glasses.* **Journal of Applied Physics 110,** 033527 (2011).	**2.5**

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1.	Anupinder Singh, Ishan Choudhary, Sunita Mehta, **Sajjan Dahiya**, Chitsimranjit Singh Walia, KK Raina, Ratnamala Chatterjee; *Optimal multiferroic properties and enhanced magnetoelectric coupling in $SmFeO_3$-$PbTiO_3$ solid solutions*, **Journal of Applied Physics** 107 084106 (2010),	**2.5**

Contributed in Conferences/Symposia (Oral, Invited talk and Poster)

1. 15th National Seminar on Ferroelectrics and Dielectrics (NSFD-15) organized by Thapar University, Patiala, Nov.6-8, 2008.
2. 4th International Conference on Electroactive Polymers held in Surajkund, Faridabad, Organized by the Department of Physics and Astrophysics, University of Delhi, Delhi, November 21 -26, 2010.
3. Materials And Processing Symposium, Organized by Bhabha Atomic Research Centre, Trombay, Mumbai-400085, Oct. 10-12, 2012.
4. 57th DAE-Solid State Physics Symposium, Organized by Indian Institute of Technology Bombay, Mumbai, Dec. 3-7, 2012.
5. National Symposium on Electro-ceramics: Materials and Devices, Organized by G. V. M. College, Sonepat, Feb. 21-22, 2014.
6. 2nd National Conference on Photonics & Material Science, Organized by Department of Physics, GJU Hisar, 20-21 March, 2014.
7. National Conference on Recent Developments in Physics, Organized by S. D. (PG) College, Panipat, March 29-30, 2014.
8. National Physics Conference (NPC-01), Organized by P.G. Department of Physics, Khalsa College, Patiala, 30 October 2014.
9. National Conference on Emerging Trends in Physics and Material Science March, Organised by Department of Physics, CDLU Sirsa, 19-20 March, 2016.
10. National Seminar on Innovative Practices in Chemistry, Sponsored by DGHE Haryana, Organised by S.A. Jain P.G. College, Ambala City, 23 February 2017.
11. National Symposium on Technologically Advanced Functional Materials, Organised by Department of Physics, Central University of Rajasthan, March 16-17, 2017.
12. International Conference Molecules and Materials Technology (MMT-2023) organized by Department of Chemistry, National Institute of Technology, Kurukshetra (21st - 22nd April 2023).
13. National Conference on Recent advances in materials and nanotechnology (RAMAN 2023 organized by Materials & Nano Engineering Research Laboratory, DIT University Dehradun in association with SPIE DIT chapter and MRSI Delhi (April 7-8, 2023)
14. Two Days National Conference on Recent Progression in Materials Science organized by Department of Chemistry, Agarwal College, Ballabgrah (March 4-5, 2025).

15. International Conference on Frontier Research in Materials Science and Technology organized by Department of Physics, CCS University, Meerut (March 4-5, 2025).

Refresher/Orientation/Short-term Courses

1. Participated in the 4-week Orientation Programme (3rd - 31st May 2012), organized by UGC-ASC, B.P.S. Mahila Vishwavidyalaya, Khanpur Kalan (Sonepat)
2. Participated in the 4-week Refresher Course in *Physics* (16th Sept. – 11th October 2013), organized by UGC-ASC, J.N.U. New Delhi.
3. Participated in the 4-week Refresher Course in *Physical Science/Nano Science* (27th August – 20th October 2018), organized by HRDC-JNU, New Delhi.
4. Completed Refresher Course under Swayam ARPIT Online Course Certification Scheme of MHRD, INDIA on *Engineering Mechanics, offered by NITTTR Kolkata, proctored examination* held on 30.3.2019.
5. Completed Refresher Course under Swayam ARPIT Online Course Certification Scheme of MHRD, INDIA, on *Physics of Semiconductors and Devices*, offered by IISC Bangalore, proctored examination held on 30.3.2019.
6. Completed Refresher Course under Swayam ARPIT Online Course Certification Scheme of MHRD, INDIA, on *Introduction to Quantum Physics and Its Applications*, offered by Indian Institute of Technology Bombay, proctored examination held on 21.08.2021
7. Participated in the Indian Nanoelectronics Users' Programme - Idea to Innovation (INUP - i2i) Hands-on Training on *Characterization of Solar Cell*, held at IIT DELHI from 5th –10th December 2022.

Other contributions

(1) R & D Coordinator, Faculty of Physical Sciences, MDU, Rohtak
(2) Member of the University-Industry Liaison Cell.
(3) Member PGBOS (Physics) M. D. University Rohtak
(4) Member Faculty of Physical Sciences
(5) Member U.G.B.O.S. (Physics) M. D. University Rohtak
(6) Departmental Co-Ordinator Alumni Association, M. D. University Rohtak.
(7) Member Departmental Research Committee in Physics, M. D. University Rohtak.

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