

Dr. GARIMA JAIN

Principal
D.A.V. (PG) College,
Muzaffarnagar
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Position held at University level

- ❖ **Dean**, Faculty of Science M.S. University, Saharanpur
- ❖ **Convenor**, Board of Studies-Physics, M.S. University, Saharanpur
- ❖ Member of Academic Council, M.S.U., Saharanpur
- ❖ Member of B.O.S-CCSU, Meerut 2020-22, up to March 2022

Academic Credentials

- ❖ **Doctor of Philosophy in Material Science** : **1991**
Meerut University Campus, Meerut
- ❖ **Master of Philosophy in Physics** : **1986**
*Institute of Advance Studies, Meerut University
Campus, Meerut, securing **1st Rank in University***
- ❖ **Master of Science in Physics(Electronics)** : **1985**
*Institute of Advance Studies, Meerut University ,Meerut, 2nd Position in
University*
- ❖ **Bachelor of Science in (PCM) ,Meerut University with 1st class: 1983**
- ❖ **Intermediate , U.P.Board ,Allahabad with 1st class** : **1981**
- ❖ **U.P.Board ,Allahabad 1979, with 1st class** : **1979**
Distinction in English

Thesis Title:Electrical and Optical Properties of Polycrystalline Materials

Field of Specialization: Electronics and Material Science

Academic Awards

- (i) Meerut University Merit Scholarship during M.Phil.in the session 1985-86
- (ii) Meerut University Certificate of Merit for securing 1st position in M.Phil. in 1986

Employment Experience

- **Teaching Experience** :36 years (B.Sc. and M.Sc. Physics)
- **Research Experience** :38 years (as JRF/SRF, Teaching faculty and Supervisor)
(Developed Material Science Research Lab in department with facility of Thin Film Coating Unit and electrical characterization)
- **Research Guidance**
 - a) No. of candidates awarded Ph.D. - **05**
 - b) No. of candidate awarded M.Phil. - **03**
 - c) No. of M.Sc. projects supervised - **30**
- **Research Publication**
(In International Journals & Conference proceedings) **33**
- **Research Project**
One (UGC sponsored Minor Project) **March 2004 –March 2006**
“Study of Tin Selenide Sintered Films”
- **Invited Talks/Resource person** **15**
- **Paper reviewed** **08**
(For International Journals & International Conference Proceedings)
Member of Editorial Board of International Conference on Frontiers of Science Technology (ICFST-17, ICFST-21).
- **Participation in seminars and conferences** **20**
(National and International)
- **Refresher / Teaching methodology programme attended** **04**
(More than 2 weeks)
- **Academic programme attended (1 or 2 days)** **06**

➤ **Books Co-authored (for UG classes)**

46

➤ **Subject expert/Member**

- Academic Council, M.S.U., Saharanpur
- B.O.S-CCSU, Meerut 2021-22, MSU up to March 2022
- Panel for Ph.D. thesis & synopsis evaluation
- RDC of Aided / Private Universities
- University panels for affiliation.
- Reputed 10+2 schools, colleges and university departments.

Administrative and co-curricular contribution

- (i) Coordinator, NAAC Steering Committee of the college, January 2017 (2nd cycle)
- (ii) Course Coordinator of 8 days Faculty Development program on “Effective Implementation of NEP-2020 ,Challenges and Possibilities” in collaboration with EICT Academy, IITR, 8-16 September 2023.
- (iii) Deputy Controller (2020), Assistant Controller (2007) at University Evaluation Center.
- (iv) Addl. Superintendent and Asst. Superintendent in University Examination.
- (v) Organizing Secretary of National Seminar on “Condensed Matter Physics” and “Science & Technology: In context of Human Welfare” in 2013 and 2016 .
- (vi) Member, Internal Quality Assurance Cell (IQAC), 2007-2018.
- (vii) Represented Department for DST-FIST proposal at SBNCBS, Kolkata, 2008.
- (viii) Co-ordinator of Career Guidance and Placement Cell.
- (ix) Managing Editor / Dy. Editor / Member of CollegeMagzine Editorial Board
- (x) Coordinator / Member of various committees e.g., Research Committee, Cultural Committee, Women’s Cell, Proctorial Board, Sports Council, Admission Committee, etc.

Extension Activities

- (i) As N.S.S. programme officer – w.e.f. Sept. 2011 to Nov. 2012
- (ii) Has been actively engaged in various Social Awakening programmes
- (iii) Associated with National Children Science Congress, as resource. person/Judge
- (iv) Has been volunteering for SPIC MACAY.

Publications in Journals

1. Impact of elemental composition on the $S_nS_{1-x}Se_x$ Phase formation and its absorber layer properties.
Deepti Jain, Garima Jain, Sanjeev Kumar, S Agrawal, A Pal
Materials Science and Engineering B313(2025)117961
<https://doi.org/10.1016/j.mseb.2024.117961>
2. Exploration of thioacetamide molar concentration on the physical properties of chemically deposited tin sulfide thin films
Deepti Jain, Garima Jain, Anand Pal, Saurav Chaudhary, R. K. Saini, Journal of Materials, Nov. 2023, DOI:10.1557/s43578-023-01232-1
3. Mixed Phase Formation of SnS-SnO₂ on Air-Annealed Thermally Evaporated SnS Thin Films
D Jain, G Jain, A Pal, et.al., Thin Solid Films, Vol. 780, p. 139973, Sep. 2023, doi: 10.1016/j.tsf.2023.139973
4. A Review on Polymeric Photoluminescent Nanofibers: Inorganic, Organic and Perovskites Additives for Solid-State Lighting Application.
Sanjeev Kumar, Garima Jain, Kuldeep Kumar, B.P. Singh and S. R. Dhakate. *Polymer Science, series A*. 2022, vol.64, no.5, pp 367-392.
5. Stress-Induced Structural Phase Transition in Polystyrene/NaYF₄:Eu³⁺ Photoluminescent Electrospun Nanofibers.
Sanjeev Kumar, Garima Jain, Kuldeep Kumar, Ashish Gupta, J.S.Tawale, B.P. Singh, S. R. Dhakate and P.D.Sahare, *Journal of Nanomaterials*, vol. 2022, Article ID 2173629, 10 pages. <https://doi.org/10.1155/2022/2173629>
6. A facile fabrication of poly(methyl methacrylate)/ α -NaYF₄:Eu³⁺ tunable electrospun photoluminescent nanofibers
Sanjeev Kumar, Garima Jain, Kuldeep Kumar, Ashish Gupta B.P. Singh and S. R. Dhakate, *Applied Nanoscience*, July 2020, Vol. 10, Issue 10, p 3857-3864
7. A novel fabrication of electrospun polyacrylonitrile/NaYF₄:Eu³⁺ light emitting nanofibers
Sanjeev Kumar, Garima Jain, Kuldeep Kumar, Ashish Gupta B.P. Singh and S. R. Dhakate, *RSC Advances*, 2020, 10, 24855-24861.

8. Doping effect on SnS thin films: A Review
Deepti Jain, Garima Jain, R.Kumar, *IRJMST*, Vol. 11, Issue 6,2020.
9. Tunable Photoluminescence of Polyvinyl Alcohol Electrospun Nanofibers by Doping of NaYF₄: Eu⁺³ Nanophosphor
Sanjeev Kumar, Garima Jain, B.P. Singh and S. R. Dhakate, *Journal of Nanomaterials*, **2020**, Article ID 1023589,1-8.
10. Temperature dependence of some thermo-physical properties PbTe pellets
Vichitra Kumar, Garima Jain, V.Kishor, et.al., *Advanced Science Engg and medicine*, Vol. 11, Number 7, July **2019**, p 659-661, **ISSN-2164-6635 (online)**
11. Advance Carbon materials and their applications.
Sanjeev Kumar, Garima Jain, et.al.. “*ISST J. of Applied Physics*”, Vol. 8, Number 2, Dec **2017**, p 63-70, **ISSN-09769031**
12. Effect of Structural changes on Mechanical Properties of Sintered Films.
R.K.Saini, Garima Jain, et.al.. “*Journal of Advances in Physics*”, Vol. 12, Number 1, July **2016**, p.4141-4144, **ISSN-2344-3487**
13. Synthesis of Multiwalled Carbon Nanotubes (MWCNTs) by Chemical Vapour Deposition (CVD) Technique.
Sanjeev Kumar, S.R.Dhakate, B.P.Singh & Garima Jain “*ISST Journal of Applied Chemistry*”, Vol. 5, No.2, December **2014**, p.76-78 (**ISSN 0976-7335**)
14. Design and Analysis of a Novel Low Actuated Voltage Rf MEMS shunt Capacitive Switch.
Prashant Kumar Gupta, Tejbir Singh, Garima Jain, D.K.Awasthi. “*International Journal for Research in Applied Science and Engineering Technology*”, Vol. 2, **2014**, p.50-54
15. Structural and electrical characterization of sintered SnTe films
R.K.Saini, R.Kumar, G.Jain et.al. “*Chalcogenide Letters*” Vol.7, No. 3, **2010**, p.197 – 202.
16. Composition effects on properties on PbS_{1-x}Se_x thin films
R.Kumar, G. Jain, R.K.Saini, “*Chalcogenide Letters*” Vol. 7, No. 4, **2010**, p.233-240.
17. Active-C current mode biquad filter

Kiran Pal, Garima Jain & Kirat Pal, "Journal of Active and Passive Electronic Devices", USA **2010**, Vol.5 pp, 47-52.

18. High Q grounded capacitor current mode band pass filter using DVCC / I DCC II

Kiran Pal, Garima Jain & Kirat Pal, "Journal of Active and Passive Electronic Devices" USA **2010**, Vol.5 pp, 99-104.

19. Optical studies of $\text{SnTe}_x\text{Se}_{1-x}$ sintered films

R.K.Saini, R.Kumar and G. Jain, "J. of Optical Materials" 32, **2009** p.297- 301.

20. Electrical properties of $\text{SnTe}_x\text{Se}_{1-x}$ sintered films

R.K.Saini, R. Kumar and Garima Jain et.al. "Optoelectronics and Advanced Materials- Rapid Communications" Vol. 3, No. 1, **2009**, p.49-52.

21. Electrical and Optical properties of Tin Oxide and Antimony doped Tin Oxide films

R.Kumar and G.Jain, "Journal of Optical Materials", Vol.26, **2004**, 27-31.

22. Transport properties of chemically prepared PbS films

T.P.Sharma, R.Kumar and G.Jain, "Indian Journal of Pure and Applied Physics", Vol.29, **1991**, 583-585

23. Photoconduction in amorphous selenium alloy films.

S.C.K.Mishra, T.P.Sharma, R.Kumar and G.Jain, "Indian Journal of Technology", Vol. 8, **1990**, 205-207, ISSN **0019-5669**

24. Optical Properties of Indium Selenide Thin Films

T.P.Sharma, R.Kumar, G.Jain et. al., "Indian J. of Pure and Applied Physics", Vol. 28, **1990** 486-489

25. Study of Cu doping on PbS thin films

T.P.Sharma, R.Kumar, G.Jain et al. "Modern Physics Letters B" 3 (11), **1989**, 825.

Research Papers presented / published in National/International Conferences Proceedings

1. Partial Replacement of Aggregates using Coconut Coir in Concrete Manufacturing
Ranjeet Singh, Garima Jain et. al.; **National** Conference on Frontiers in Material Research & Applications (FMRA-2016), Oct. 27-28, **2016** at ShaheedBhagat Singh State Technical Campus, Ferozepur.
2. Enhancing Skills through Skill India Initiative
Garima Jain, R. Kumar, R.K.Saini; Proceedings of Skill India Initiative: Challenges, Opportunities and Strategies, Feb 27-28, **2016** at S.D. College of Management Studies, Muzaffarnagar.
3. Tin Selenide Sintered Films: Nano structured Bulk Material
Garima Jain, R. Kumar, R.K.Saini; **International Conference** on “Frontiers in Materials Research and Applications”, 30-31 October **2014**, ShaheedBhagatSinghState Technical Campus, Ferojpur (Punjab).
4. Mechanical Studies of SnTe sintered nano crystalline films
R.K.Saini, Garima Jain, R.Kumar; Proceedings of **National** workshop on “Advancement of Nano materials and Applications” D.A.V. (PG) College, Kanpur, 9-11 February **2012**
5. Role of SMART Materials in future technology.
Jitendra Gaur, Vipin Kumar, Dharendra Sharma, Garima Jain; Proceedings of **National** Conference on “Recent Drifts, Breaks in Applied Sciences and its Technology”, Krishna Institute of Engineering and Technology, Ghaziabad, 7-9 August **2009**
6. Preparation and characterization of Nano Crystalline SnTe films
R.K.Saini, Garima Jain, R.Kumar, Monika Singh, PallaviAgarwal; Proceedings of **National** Conference on “Recent Drifts, Breaks in Applied Sciences and its Technology”, Krishna Institute of Engineering and Technology, Ghaziabad, 7-9 August **2009**

7. Optical Studies of Lead Telluride Pellets

V.Kumar, G.Jain, R.Kumaret. al.; Proceedings of **International Conference** on Optics & Optoelectronics, 12-15 December, **2005**, IRDE, Dehradun

8. A High 'Q' Band Pass Filter using Current Conveyors

Kiran Pal, G.Jain&Kirat Pal; Proceedings of **National Conference** on Modern Trends in Electronics and Communication Systems, March 5-6, **2005**, A.M.U., Aligarh

Papers Presented in National / International Conferences

1. Physics Education : Motivation and Reforms

Garima Jain, R.K. Agarwal et. al.; National Symposium on Recent Trends in Physics at different levels" on 29th October, 2017 at G.K.Vishwavidyalaya, Haridwar.

2. Synthesis of MWCNTs by Chemical Vapor Deposition Technique

Sanjeev Kumar, S. R. Dhakate, B.P. Singh, Garima Jain, **National** Conference on "Future Perspectives of Science and Technology in Society and Governance (FPSTSG-2014)", 29-30 November 2014, S.S.V. College, Hapur.

3. Effects of sintering on Tin Selenide Films

R.K.Saini, G.Jain, R.Kumar, **National** seminar on "Recent Advances in Condensed Matter Physics", **19-20 March 2013**, D.A.V. (PG) College, Muzaffarnagar, India

4. Role of Education in Women Empowerment

Garima Jain, R.Kumar, "**National** Conference on Women Empowerment: Vision for 21st century", **March 5-6, 2011**, SSV (PG) College, Hapur, India

5. Interdependence of Mechanical and Structural Properties in Sintered SnTe Films

R.K.Saini, Garima Jain, R.Kumar, Monika, Pallavi, "98th**Indian Science Congress**", **January 3-7, 2011**, SRM University, Chennai, India.

6. Electrical and Optical properties of SnSe thin films

G.Jain, R.K.Agarwal and T.P.Sharma, **International** Conference on advanced materials, **Dec. 26-28, 2000**, C.C.S. University, Meerut, India.

Resource Person / Talks Delivered

1. *“Interaction of electron beam with matter: SEM, TEM”*, Ph.D. Course Work, MSU Saharanpur, **April 22, 2024**
2. “Enlarging Role of Faculty in overall implementation of NEP & Learning Process” in online Faculty Development Programme, J.K.P (PG) College, Muzaffarnagar, **07 October 2023**.
3. “Role of Teachers & Students in NEP-2020 and Multidisciplinary Education” in Faculty Development Programme on “National Education Policy-2020”, S.D. College, Muzaffarnagar, **26-30 December 2022** , in collaboration with E.I.C.T. Academy, IIT, Roorkee.
4. Department of Biosciences, D.A.V. College, Muzaffarnagar, **30.09.2021** on “Nano biotechnology: Basics and applications” , under the aegis of Star Scheme
5. Talk on “Opportunity for Women in Energy Sector” in Webinar on **01.01.2021**, organized by Govt. Raza PG College, Rampur.
6. Department of Biosciences, D.A.V. College, Muzaffarnagar, **11.02.2020** on “Fundamentals of Nanotechnology”, under the aegis of Star Scheme.
7. Subject Expert in Department Research Committee of Physics on **25.11.2017**, at CCS University Campus, Meerut for **2017-18**.
8. Guest lecture in Faculty Development Programme in Banasthali Vidyapeeth, Banasthali, **13.08.2017**.
9. Resource person in **National** Conference on “Convergence of Technology and Management for Advancing India”, **Feb 25, 2017** at S.D. College of Engg & Technology, Muzaffarnagar.
10. **Workshop** on “Role of IQAC in Higher Education”, **18 March 2016**, at J.K.P. (PG) College, Muzaffarnagar

11. **International Conference** on “Frontiers in Materials Research and Applications”, **30-31 October 2014**, at ShaheedBhagatSinghState Technical Campus, Ferojpur (Punjab) on “Nano structured Tin Selenide Sintered Films”.
12. **International Conference** on “Role of Technology in Nation Building”, **26-28 April 2013** at Subharti University, Meerut on “Carbon Nano Tubes : Synthesis and Applications”
13. **National Workshop** on “Advancement of Nano Materials and its Applications”, **9-11 Feb. 2012** at D.A.V. PG College, Kanpur on “Rudiments of Nanoscience and Technology”
14. VyaparMandalKanya PG College, Manglore (Haridwar), **11.12.2011** on “Lasers – An important tool of Science to Society”
15. Shri Ram College of Engineering, Muzaffarnagar, **April 2011** on “MOSFET Technology”

Reviewer in the Journals

1. Journal of Alloys and Compounds (Elsevier)
2. Materials Today : Proceedings (Elsevier)
3. Material Science in Semiconductor Processing (Elsevier)
4. Vacuum (Elsevier)
5. Journal of Opto-electronics and Advance materials
6. Material Research Innovations
7. Macro molecular symposia (2021)
8. ICFST-17, ICFST-21 at KIET

Research Guidance

Ph.D. Awardees

S.N.	Name	Year of Award	Subject	Reference No.	University
1	Vichitra Kumar	2008	Physics	Res-2/A-3759	CCS Univ., Meerut
2	Kiran Pal	2009	Physics	Res-2/A-31185	CCS Univ., Meerut
3	Ravindra Kumar Saini	2011	Physics	Res-2/A-4913	CCS Univ., Meerut
4	Sanjeev Kumar	2021	Physics	Res-2/A- 1602409/3950	CCS Univ., Meerut
5	Deepti Jain	2024	Physics	Res-2/A- 1302401/3967	CCS Univ., Meerut

Published Abstracts in Conferences

1. A review on futuristic applications of Carbon Materials
Sanjeev Kumar, S. R. Dhakate, B.P. Singh and Garima Jain, **National** Workshop on “Advanced carbon materials for strategic application”, **April 28, 2017**, National Physical Laboratory New Delhi.
2. Carbon nanotubes (CNTs) prepared from different precursor materials by Chemical Vapor Deposition Technique (CVD)
Sanjeev Kumar, S. R. Dhakate, B.P. Singh and Garima Jain, 5th**National** Conference on “Nanoscience and Instrumentation Technology”, **March 05-06, 2017**, National Institute of Technology Kurukshtra, Haryana.
3. Synthesis of CNTs by CVD and Arc Discharge technique
Sanjeev Kumar, C.Lal, S.R.Dhakate, G.Jain, **National** seminar on “Recent Advances in Condensed Matter Physics”, **19-20 March 2013**, D.A.V. (PG) College, Muzaffarnagar, India
4. Effects of pressure on properties of PbTe Pellets
Vichitra Kumar, G.Jain, R.Kumar, Beer Pal Singh, **National** seminar on “Recent Advances in Condensed Matter Physics”, **19-20 March 2013**, D.A.V. (PG) College, Muzaffarnagar, India
5. A Tunable resistorless current mode all pass filter.
Kiran Pal, G.Jain, Kirat Pal, **National** seminar on “Recent Advances in Condensed Matter Physics”, **19-20 March 2013**, D.A.V. (PG) College, Muzaffarnagar, India
6. Optimized Reconfigurable UWB Monopole with WLAN Band Notch using MEMS switches.
Tejbir Singh, G.Jain, **National** seminar on “Recent Advances in Condensed Matter Physics”, **19-20 March 2013**, D.A.V. (PG) College, Muzaffarnagar, India
7. Impact of Education on changing Scenario of Women
Garima Jain, R.Kumar, “**National** Conference on Women Empowerment”, **Feb 26-27, 2011**, Vijay Singh Pathik (PG) College, Kairana, India.

8. Temperature dependence of Electrical properties Lead Telluride PbTe pellets

V.Kumar, Garima Jain, N.S. Saxena, T.P.Sharma, "2nd **National** Conference on Condensed Matter and Material Physics", **Feb 1-3, 2007**, Rajasthan University, Jaipur, India.

9. Electrical properties of Sn Se_x Te_{1-x} sintered films.

R.K. Saini, G. Jain, R. Kumar, "2nd **National** Conference on Condensed Matter and Material Physics", **Feb 1-3, 2007**, Rajasthan University, Jaipur, India.

10. Electrical and Optical properties of PbS_{1-x}Se_x

R.K.Agarwal, G.Jain and T.P.Sharma, **International** Conference on advanced materials, **Dec. 26-28, 2000**, C.C.S. University, Meerut, India.

11. Selenide thin films

T.P.Sharma, S.K.Sharma, R.Kumar, G.Jain and S.C.K.Mishra, **International** Conference and intensive tutorial Course on semiconductor material, **Dec. 8-16, 1988**, Taj Palace, New Delhi, India.

12. Heavy doping effect on PbS thin films

T.P.Sharma, R.Kumar&G.Jain, Seventh **International** Conference on thin films, 7-11 Dec, 1987, VigyanBhawan, New Delhi, India.

Training / Workshop / Seminars attended

Part-A: Duration 1 or 2 days

1. A guest lecture held at Physics department, CCS university campus, Meerut on the topic “Different approaches to science learning” on **12.09.2017**
2. One day awareness workshop on NPTEL in **Feb 2017** held at SRGC, Muzaffarnagar.
3. Participation in Industry Academia Interaction, (India International Science Festival – 2017), Dec 11, **2016** NPL, New Delhi,
4. **National Seminar** on “Role of Ion Beam in Material Science and Acquaintance programme of Ion Beam facilities at IUAC, New Delhi” at CCS University Campus, Meerut, India, **20 Sept 2013**.
5. Training cum Awareness workshop on “Quality Promotion and NAAC Accreditation” held on **2-3 March 2013** at Ram ManoharLohia National Law University, Lucknow organized by Deptt. of Higher Education, Govt. of Uttar Pradesh and U.P. State Higher Education Council, Lucknow.
6. Training program for NSS Program Officers held on **19-20 Dec., 2011** at C.C.S. University Campus, organized by National Service Scheme, C.C.S. University, Meerut.

Part-B: Duration 2 weeks or more

1. **Refresher Course** in Experimental Physics held from **06.06.2013 to 21.06.13** at Bangalore organized by Indian Science Academy, Bangalore ; National Science Academy, Allahabad and Indian National Science Academy, New Delhi.
2. **Refresher Course** in Physics held from **22.08.2001 to 11.09.2001** organized by Aligarh Muslim University, Aligarh.
3. **Refresher Course** in Physics held from **23.06.2001 to 13.07.2001** organized by Deptt. of Physics, Punjab University, Chandigarh.
4. **Orientation programme** held from **09.05.1994 to 04.06.1994** organized by Academic Staff College, H.P. University, Shimla.

Responsibilities held at College level

1. Headed the department of Physics since 1st January 2016 to 14th February 2024.
2. Co-ordinator for NAAC Steering Committee 2012-17 & member (2005-07).
3. Member, Internal Quality Assurance Cell (IQAC) of the college (2007-2018).
4. Course Coordinator, Faculty Development program on “Effective Implementation of NEP2020: Challenges & Possibilities” in collaboration with EICT Academy, IITR, 8-16 September 2023.
5. Organizing secretary of the National Seminar on “Science and Technology in the Context of Human Welfare”, 29 March 2016 and National seminar on “Recent Advances in Condensed matter Physics”, 19-20 March 2013, held at D. A. V. (PG) College, Muzaffarnagar.
6. Presented DST-FIST proposal of the department at SNBNCBS Kolkata on 10 Sept. 2008 & succeeded to get grant of Rs. 28 Lac.
7. Addl. Superintendent in the University Examination in the college in session 2009-10, 12-13, 15-16, 17-18, 20-21. Asst. Superintendent in sessions 2001-02, 04-05, 06-07, 08-09, 11-12, 13-14, 16-17.
8. As Deputy Controller (2020) and Assistant Controller (2007) in University Evaluation Centre at D.A.V. College, Muzaffarnagar
9. NSS Program officer from sept 2011- Nov 12.
10. Co-ordinator, Career guidance and placement cell of the college; 2006-07, 07-08, 08-09.
11. College Magazine Editorial Board: Dy. editor in 2007-08, 18-19, Managing editor in 08-09. Member of the Editorial Board College Magazine, 2005-06, 06-07, 09-10, 11-12, 12-13, 14-15, 15-16, 16-17, 17-18, 20-21,.
12. Member of Proctorial Board during the year 2000-01, 03-04, 08-09 and 16-17.
13. Member of Sports council during the year 2002-03, 07-08, 10-11.
14. Convenor / Member of various committees e.g. Research committee, Admission Committee, Academic Council, Women’s Cell and Alumni Association Committee, etc.
15. Cultural secretary in Golden Jubilee Celebrations of the college in 1999-2000, co-ordinator / member of cultural committee in 09-10, 10-11, 11-12, 14-15, 15-16, 16-17, 17-18, 18-19.
16. Have been associated with various social awakening issues through local NGOs and National Children Science Congress, Uttar Pradesh.
17. Chairperson, Antisexual Harassment committee of the college 07-08, 08-09.
18. Life Member of Indian Association of Physics Teachers

Research Papers in National / International Conferences

1. Sanjeev Kumar, Garima Jain, B. P. Singh and S. R. Dhakate “Brilliant Red Light Emission from Polystyrene/ NaYF₄: Eu⁺³Electrospun Beaded Nanofibers” presented in **International** Webinar (e-Conference) on Prospective of Interdisciplinary Research in Science and Technology in the Present Scenario from **15-16 May, 2020** at Department of Physics, ChaudharyCharan Singh University, Meerut, Uttar Pradesh.
2. Sanjeev Kumar, Garima Jain and S. R. Dhakate “Fabrication of some polymeric photoluminescentnanofibers by Electrospinning” presented in **National** Conference on Carbon Materials-2019 (CCM2019) from **20-22 November, 2019** at India Habitat Centre, Silver Oak, New Delhi.
3. Sanjeev Kumar, Garima Jain and S. R. Dhakate “Preparation of polymeric photoluminescentnanofibers by doping of NaYF₄: Eunanophosphor with polystyrene (PS) via Electrospinning” presented in Young Scientist Award category in 24th**International** Conference of International Academy of Physical Sciences (CONIAPS-XXIV) on **August 9-11, 2019** at ChaudharyCharan Singh University, Meerut, Uttar Pradesh.
4. Sanjeev Kumar, Garima Jain and S. R. Dhakate “Fabrication of photoluminescence polymeric nanofibers by doping of NaYF₄: Eunanophosphor with poly vinyl alcohol (PVA) via Electrospinning” presented in**International** Conference on Energy, Functional Materials and nanotechnology & Sustainable Environment Management (ICEFNSEM) on **May 24-26, 2019** at, Kumaun University, Nainital, Uttarakhand, India.
5. Sanjeev Kumar, S. R. Dhakate, B.P. Singh and Garima Jain “Synthesis of tunable photoluminescence electrospun polymeric nanofibers mat” presented in**International** Conference onmaterials for energy applications ICME on **December 6-8, 2018** at S S Jain Subodh PG (Autonomus) College, Jaipur, Rajasthan.
6. Sanjeev Kumar, Garima Jain, S. R. Dhakate and P D Sahare “Synthesis of photoluminescent polymeric nanofibers via electrospinningtechnique” presented in Indo-Japan Workshop 2018 onhighly conductive CFRP using conductive polymers and nanomaterials for structural applications on **November 26-28, 2018** at CSIR-National Physical Laboratory, Dr. K. S. Krishnan Marg, New Delhi-12.

7. Sanjeev Kumar, Garima Jain and S. R. Dhakate “Preparation of photoluminescent polymeric nanofibers by using electrospinning technique” presented in **National Conference on Innovation and Technology for Rural India ITRI-2018 on November 15-16, 2018** at OSIR, Bah, Agra, Uttar Pradesh.
8. Sanjeev Kumar participated in **National Workshop on Materials Metrology for Sustainable Society – 2018 (NWMMSS 2018)** at National Physical Laboratory, New Delhi on **1-2nd November, 2018** organized by CSIR-National Physical Laboratory and Metrology Society of India (MSI), Dr. K. S. Krishnan Marg, New Delhi-12.
9. Photoluminescent Nanofibres (Plas) of Polyvinyl Alcohol by Electrospinning technique. Sanjeev Kumar, Garima Jain, et.al., **4th National Conference on Recent Developments in Science and Technology in Modern Era**” on **15.12.2017** at Arya P.G. College, Panipat.
10. Nanotechnology and its impact on our daily life.
Deepti Jain, Garima Jain, **National Seminar** on “Science and Technology in the Context of Human Welfare”, **29 March 2016**, D.A.V. College, Muzaffarnagar, India.
11. Band Gap Variation of Lead Telluride (PbTe) pellets at different pressures.
V.Kumar&G.Jain, R.K. Aggarwal, **National Seminar** on “Science and Technology in the Context of Human Welfare”, **29 March 2016**, D.A.V. College, Muzaffarnagar, India.
12. Synthesis of multiwalled carbon nano tubes (MWCNTS) from coconut oil
Sanjeev Kumar, S. R. Dhakate, B.P. Singh, Garima Jain, **National Seminar** on “Science and Technology in the Context of Human Welfare”, **29 March 2016**, D.A.V. College, Muzaffarnagar, India.
13. Electrospun photoluminescent nano fibers for solid state lighting: A Review
Sanjeev Kumar, S.R.Dhakate, B.P.Singh, G.Jain, **National Conference** on Carbon materials, **26 -28 November 2015**, India International Centre, New Delhi.
14. Structural and Electrical studies of SnTeSe_{1-x} Sintered Films
R.K.Saini, Garima Jain, R.Kumar, Monika, Pallavi, “**National Conference** on Semiconductor Materials and Technology (NC-SMT)”, **October 6-18, 2008**, Gurukul Kangri University, Haridwar, India.
15. Optical properties of TO and ATO films
G.Jain, R.K.Agarwal, **National Conference** on Physico Chemical Studies of Plant Products, **Dec. 25-26, 1999**, D.A.V. College, Muzaffarnagar, India.

16. Optical Properties of Lead sulphide and Indium selenide thin films

T.P.Sharma, R.Kumar, G.Jain et.al.40th Pittsburgh Conference and exposition, **March 6-10, 1989**, in Atlanta (U.S.A.)

17. Tandem Solar Cells

R.Kumar, G.Jain, T.P.Sharma, **National** Conference on non conventional energy sources, **March, 1989**, M.L.N. College, Yamuna Nagar, India

18. Some aspects of non conventional energy sources

T.P.Sharma, R.Kumar, G.Jain, **National** Conference on non conventional energy sources, **March, 1989**, M.L.N. College, Yamuna Nagar, India

LIST OF BOOKS CO-AUTHORED

B.Sc. Physics Unified Course and NEP-2020

S.N.	Title of the Book	Authors	ISBN NO.	Publication	Year
1	Demonstrative Aspects of electricity and Magnetism	R.K.Agarwal, Garima Jain	978-93-91576-48-6	Divya Lakshmi Publishers & Distributors	2023
2	न्यूटोनियन यांत्रिकी	R.K.Agarwal, Garima Jain, Rekha Sharma	978-93-91152-04-8	Krishna Prakashan, Meerut	2022
3	Thermal Physics and Semiconductor Devices	R.K.Agarwal, Garima Jain	978-93-91576-42-4	Divya Lakshmi Publishers & Distributors	2022
4	ऊष्मीय भौतिकी व अर्द्धचालक युक्तियाँ	R.K.Agarwal, Garima Jain	978-93-91576-51-6	Divya Lakshmi Publishers & Distributors	2022
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