



**DESHBANDHU COLLEGE**  
**(UNIVERSITY OF DELHI)**  
**KALKAJI, NEW DELHI - 110019**  
**Faculty Details Proforma for College Website**

Title	Dr.	First Name	Monika	Last Name	Sharma	Photograph
Designation	Assistant Professor					
Address	Physics Department, Deshbandhu College, University of Delhi, Kalkaji, New Delhi, INDIA-110019					
Phone No. Office						
Residence	H-45, 1 <sup>st</sup> Floor, Kalkaji, New Delhi-110019					
Mobile	8383811692					
Email	monikasharma1604@gmail.com					
Web-Page	<a href="https://sites.google.com/db.du.ac.in/monikasharma/home">https://sites.google.com/db.du.ac.in/monikasharma/home</a> Orcid ID - 0000-0001-9656-9792 <a href="https://scholar.google.com/citations?user=LHjEdS UAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=LHjEdS UAAAAJ&amp;hl=en</a>					
<b>Educational Qualifications</b>						
Degree	Institution				Year	
Ph.D.	Indian Institute of Technology Delhi				2015	
M.Phil. /M.Tech	National Institute of Technology, Kurukshetra				2009	
PG	University of Delhi				2005	
UG	University of Delhi				2003	
Any other qualification	B.Ed (Kurukshetra University)				2006	
<b>Career Profile</b>						
Assistant Professor (Ad-Hoc)			14 August 2014 – Till Now			
Deshbandhu College, University of Delhi.						
<b>Administrative Assignments</b>						
<ul style="list-style-type: none"> <li>• Organizing Member of International conference on Human Rights, 2020 organized by Deshbandhu College.</li> <li>• Subject Evaluator for the Vidyarthi Vigyan Manthan State Level Examination organized by Deshbandhu College on 19th January, 2020.</li> <li>• National Workshop on “Skill Development to build a clean India” organized by Botany Deptt. of Deshbandhu College, University of Delhi from 07-08 June 2018.</li> <li>• Participated as resource person in the Inspire Internship program organized by Deshbandhu College in the years 2020, 2019, 2017, and 2014.</li> <li>• Organizing Member of International conference on Bhartiya Women: Past, Present and Future, 2019 organized by Deshbandhu College.</li> <li>• Organizing Member of International conference on Physics, Society and Technology 2019 organized by department of physics, Deshbandhu College.</li> <li>• National Workshop on Skill Development to Build Clean India, Organised by Deshbandhu College in Association with ONGC New Delhi, June 7 – 8, 2018.</li> <li>• Member of Cultural Committee in Sabrang 2015 organized by Deshbandhu College.</li> <li>• Member of Physics Society of Deshbandhu College.</li> </ul>						
<b>Research Projects (Major Grants/Research Collaboration)</b>						
Project Investigator of Innovation Project granted by University of Delhi, titled – “Spintronic Devices for Data Storage Applications,” 2015 with a grant of 4.5 Lacs.						
<b>Areas of Interest/Specialization</b>						
Nano-electronics: Spintronics, MMIC-Microwave monolithic Integrated Circuits based nano devices, magnetic materials.						
<b>Subjects Taught</b>						

Digital Electronics	Solid State Physics	Mechanics	Elements of Modern Physics
Communication System	Waves and Oscillations	Electricity and Magnetism	Scilab, C++

### E-Teaching Based Videos

- <https://drive.google.com/file/d/1AD5XywLpZmqR9iHWfujn4ClJZG7WYnz/view?usp=drivesdk>
- <https://drive.google.com/file/d/127F4qOieet90JTM3IRxVGo86p5NIVR0k/view?usp=drivesdk>
- [https://drive.google.com/file/d/1lp\\_tVG7A\\_bQv6wfGmj9CWnQlsp3oSTm/view?usp=drivesdk](https://drive.google.com/file/d/1lp_tVG7A_bQv6wfGmj9CWnQlsp3oSTm/view?usp=drivesdk)
- [https://us02web.zoom.us/rec/share/THb0A3RqohdchkUj9KLH\\_1YdlmxA1Wk3OJuDvTk-bY1qoLRxXhxYUthWcAYNLwbk.oKGCJxZa7OhAtwsi](https://us02web.zoom.us/rec/share/THb0A3RqohdchkUj9KLH_1YdlmxA1Wk3OJuDvTk-bY1qoLRxXhxYUthWcAYNLwbk.oKGCJxZa7OhAtwsi)  
Passcode: Da3x5n=a

### Research Guidance

List against each head (If applicable):

1. Supervision of awarded M.Tech. dissertations
  - **Harsimrat Kaur (2018-2019), Indraprastha University**
  - **Aditi Sharma (2019-2020), Indraprastha University – Study of Magnetization Dynamics in Yttrium Iron Garnet/Barium Titanate Multiferroic Composites**
  - **Akash (2021), JNU – Synthesis and Characterization of NiFe<sub>2</sub>O<sub>4</sub>/NiFe<sub>2</sub>O<sub>4</sub> multiferroic nanocomposites**

### Publications Profile

List against each head (If applicable) (as illustrated with examples)

1. Books/Monographs (Authored/Edited)

#### 2015

- **Monika Sharma** and Bijoy K. Kuanr, “Electrodeposition of Ferromagnetic Nanostructures,” Electroplating of Nanostructures, InTech, 2015, ISBN 978-953-51-43444. DOI: 10.5772/61226

#### 2013

- Manish Sharma, Sachin Pathak, **Monika Sharma**, “FMR Measurements of Magnetic Nanostructures”, Ferromagnetic Resonance – Theory and Applications, ISBN 978-953-511186-3, InTech, 2013. DOI: 10.5772/56615

2. Research papers published in Refereed/Peer Reviewed Journals

- a) Research papers published in Academic Journals other than Refereed/Peer Reviewed Journals
- b) Research papers published in Refereed/Peer Reviewed Conferences

#### 2021

- 1) **Monika Sharma**, Kakoli Bera, Ruby Mishra, and Alka V. Kuanr, “Structural, Magnetic, and Optical Properties of Mn<sup>2+</sup> Doping in ZnO Thin Films,” Surfaces, 2021, 4, 268–278, ISSN: 2571-9637, DOI: 10.3390/surfaces4040022.
- 2) Jyoti Saini, **Monika Sharma**, and Bijoy K. Kuanr, “Role of Ce Concentration on the Structural and Magnetic properties of Functional Magnetic Oxide particles,” RSC Nanoscale Advances, 3, 6074, 2021, IF – 4.553, ISSN: 2516-0230, DOI: 10.1039/D1NA00227A.
- 3) Saroj Kumar Jha, **Monika Sharma**, Nitin Puri and Bijoy K. Kuanr, “Effect of oxygen growth-pressure on microstructural and magnetic properties of pulse laser deposited epitaxial YIG thin films,” Journal of Alloys and Compounds, 889, 161741, 2021, IF – 5.316, ISSN: 0925-8388, DOI: [10.1016/j.jallcom.2021.161741](https://doi.org/10.1016/j.jallcom.2021.161741)
- 4) Jyoti Saini, Aditi Sharma, **Monika Sharma** and Bijoy K. Kuanr, “Yttrium Iron Garnet (YIG)/Barium Titanate (BTO) an engineered multiferroic nano-composite,” Journal of Alloys

and Compounds, 279, 160422, 2021. **IF – 5.316**, ISSN: 0925-8388. DOI: 10.1016/j.jallcom.2021.160422.

#### **2020**

- 5) Jyoti Saini, **Monika Sharma** and Bijoy K. Kuanr, “Magneto-dynamic Properties of Rare-earth Doped Permalloy Nanowires,” IEEE Transactions on Magnetics. DOI: 10.1109/TMAG.2020.3023161. Volume: 57, Issue: 2, 4300705, Feb. 2021. ISSN: 0018-9464. **IF-1.7**
- 6) Jyoti Saini, Deepak Yadav, Vinay Sharma, **Monika Sharma** and Bijoy K. Kuanr, “Effect of Aliovalent Substitution in Y<sub>2</sub>9BiO<sub>12</sub>1Fe5O12: Magnetization Dynamic Study,” IEEE Transactions on Magnetics, DOI: 10.1109/TMAG.2020.3014890. **IF-1.7**, Volume: 57, Issue: 2, 2200405, Feb. 2021. ISSN: 0018-9464.
- 7) Harsimrat Kaur, **Monika Sharma**, Ramkrishna Ghosh, Satyabrata Mohopatra, and Bijoy K. Kuanr, “Magnetic bipolar transistor based on ZnO/NiO/Si heterostructure using pulsed laser deposition,” AIP Advances, 10, 015119, 2020. ISSN: 2158-3226. DOI: 10.1063/1.5130046. **IF – 1.548**
- 8) **Monika Sharma**, and Bijoy K. Kuanr, “Microwave devices based on template-assisted NiFe nanowires: Fabrication and characterization,” Journal of Physics D: Applied Physics, 53, pp. 065001, 2020, ISSN: 022-2207. DOI: 10.1088/1361-6463/ab55a4. **IF – 3.207**

#### **2019**

- 9) **Monika Sharma**, Anindita Das and Bijoy K. Kuanr, “Co-based Full Heusler Alloy Nanowires: Modulation of static and dynamic properties through deposition parameters,” AIP Advances, 9, 125054, 2019, ISSN: 2158-3226, DOI: [10.1063/1.5130036](https://doi.org/10.1063/1.5130036). **IF – 1.548**
- 10) **Monika Sharma**, Ananjan Basu, and Bijoy K. Kuanr, “Magnetization reversal switching in nanocylinders using dynamic techniques,” *Journal of Magnetism and Magnetic Materials*, 476, 2019, pp. 234-242. ISSN: 0304-8853. DOI: 10.1016/j.jmmm.2018.12.074. **IF - 2.993**.

#### **2014**

- 11) **Monika Sharma**, Bijoy K. Kuanr, V. Veerakumar, Ananjan Basu, and Z. Celinski, “Magnetization dynamics and reversal mechanisms in Ni nanowire and nanotube arrays,” IEEE Transactions on Magnetics, vol. 50, No. 11, 2014, pp. 2801404. ISSN: 0018-9464. **IF-1.7**. [10.1109/TMAG.2014.2319580](https://doi.org/10.1109/TMAG.2014.2319580)
- 12) **Monika Sharma**, Bijoy K. Kuanr, Manish Sharma and Ananjan Basu, “Tunable EMI noise suppressor based on Ni nanowire arrays,” Physica B, vol. 448, 2014, pp. 316-319. ISSN: 09214526. <http://dx.doi.org/10.1016/j.physb.2014.02.026>. **IF – 2.436**.
- 13) **Monika Sharma**, Bijoy K. Kuanr, Manish Sharma and Ananjan Basu, “New Opportunities in microwave electronics with ferromagnetic nanowires,” Journal of Applied Physics, vol. 115, 2014, pp. 17A518. ISSN (printed): 0021-8979, ISSN (electronics): 1089-7550. <http://dx.doi.org/10.1063/1.4866235>. **IF - 2.546**.
- 14) **Monika Sharma**, Bijoy K. Kuanr, Manish Sharma and Ananjan Basu, “Relation between static and dynamic magnetization effects and resonance behaviour in Ni nanowire arrays,” IEEE Transaction on Magnetics, vol. 50, No. 4, 2014, pp. 4300110. ISSN: 0018-9464. DOI: 10.1109/TMAG.2013.2287223. **IF-1.7**
- 15) **Monika Sharma**, Bijoy K. Kuanr, Manish Sharma and Ananjan Basu, “Tunable coplanar waveguide microwave devices on ferromagnetic nanowires,” Journal of Materials, Mechanics and Manufacturing, vol. 2, no. 1, 2014, pp. 88. ISSN: 1793-8198, DOI: 10.7763/IJMMM.2014.V2.88.

#### **2009**

- 16) Nitu Kumar, Vinod Kumar, Manju Arora, **Monika Sharma**, Bhikham Singh and R.P. Pant, “Synthesis of Mn<sub>0.2</sub>Zn<sub>0.8</sub>Fe<sub>2</sub>O<sub>4</sub> particles by high energy ball milling and their applications”,

Indian Journal of Engineering and Material Sciences, vol.16, 2009, pp. 410-414. ISSN: 0975-1017. IF – 0.881.

c) *Research papers Published in Conferences/Seminar other than Refereed/Peer Reviewed Conferences*  
**2017**

- Sameeksha Bhatnagar, Ravi Kumar, **Monika Sharma**, and Bijoy K. Kuanr, “Reduced Graphene Oxide/ZnO nanostructures based rectifier diode,” AIP conference Proceedings, vol. 1832, 2017, pp. 050060. doi: 10.1063/1.4980293. ISSN: 0094-243X

**2011**

- **Monika Sharma**, Sachin Pathak, Sukhvinder Singh, Manish Sharma and Ananjan Basu, “Highly Ordered Magnetic Nickel Nanowires: Structural Properties and Ferromagnetic Resonance Measurements,” AIP Conference Proceedings, vol. 1347, 2011, pp. 153-156. ISSN: 0094-243X. <http://dx.doi.org/10.1063/1.3601807>.

3. *Other publications (Edited works, Book reviews, Festschrift volumes, etc.)*

Conference Organization/ Presentations

*List against each head (If applicable)*

1. *Organization of a Conference:*

- Member of organizing committee International Conference on Human Rights, to be held on 22-23 February, 2020 organized by Deshbandhu College.
- Member of organizing committee International Conference on Bhartiya Women: Past, Present and Future 2019, to be held on 23-24 February, organized by Deshbandhu College.
- Member of organizing committee International Conference on Physics, Society and Technology (ICPST) 2019, to be held on 17-19 January, organized by Department of Physics, Deshbandhu College.

2. *Participation as Paper/Poster Presenter*

- Invited Speaker in a National Seminar on Recent Trends in Contemporary Physics, 30th – 31st March, 2021 organized by department of Physics, Deshbandhu College, University of Delhi.
- Participated in the 2020 Around the Clock Around the Globe Magnetics Conference organized virtually on 27th August, 2020.
- Jyoti Saini, Deepak Yadav, Vinay Sharma, **Monika Sharma** and Bijoy K. Kuanr, “Effect of Aliovalent Substitution in  $Y_{2.9}Bi_{0.1}Fe_5O_{12}$ : Magnetization Dynamic Study,” IEEE International Magnetics Conference (Intermag) 2020, submitted a full length paper, May 3, 2020.
- Jyoti Saini, **Monika Sharma** and Bijoy K. Kuanr, “Magneto-dynamic Properties of Rare-earth Doped Permalloy Nanowires,” IEEE International Magnetics Conference (Intermag) 2020, submitted a full length paper, May 3, 2020.
- Sonali Soni, Shivani Patel, **Monika Sharma**, and Bijoy K. Kuanr, “Annealing temperature effects on NiO/ITO hetero-junction diodes for transparent electronics,” International Conference on Physics, Society and Technology (ICPST) 2019, presented a poster, January 17-19, Conference Centre, University of Delhi, New Delhi, India.
- Participated in National Workshop on Technical Terminology in Science Teaching by Commission for Scientific and Technical Terminology, Ministry of Human Resource Development, Department of Higher Education held on October 26-27, 2017 in Deshbandhu College, University of Delhi.
- Participated as Member Organizing committee and Resource Person in the INSPIRE Internship Program 2014, 2015, and 2017 organized by Deshbandhu College, University of Delhi.
- “Synthesis and characterization of Mn doped ZnO thin films by sol-gel technique”, Innovation Conclave, Acharya Narendra Dev College, University of Delhi. 25-26 October, 2016.
- Fabrication of diluted magnetic semiconductors and its application in spintronic devices”, International conference on Advances in Nanomaterials and Nanotechnology, Jamia Millia Islamia, 4th – 5th November, 2016.

- Participated in National Seminar on Recent Trends in Nano-Bio interface (2015), December 18, JNU, New Delhi, India.
- **Monika Sharma**, Bijoy K. Kuanr, and Ananjan Basu, "Synthesis and characterization of highly ordered NiFe/Cu multilayer nanowires," International Conference on Recent Advances in Nanoscience and Nanotechnology (ICRANN) 2014, presented a poster and submitted a full length paper, December 15-16, JNU, New Delhi, India.
- **Monika Sharma**, Bijoy K. Kuanr, and Ananjan Basu, "Synthesis and characterization of highly ordered Y-shape Ni nanowires and nanotubes," International Conference on Recent Advances in Nanoscience and Nanotechnology (ICRANN) 2014, presented a poster and submitted a full length paper, December 15-16, JNU, New Delhi, India.
- **Monika Sharma**, Bijoy K. Kuanr, V. Veerakumar, Ananjan Basu, and Z. Celinski, "Magnetization dynamics and reversal mechanisms in Ni nanowire and nanotube arrays," IEEE International Magnetism Conference (Intermag) 2014, presented a poster and submitted a full length paper, May 4-8, Dresden, Germany.
- **Monika Sharma**, Bijoy K. Kuanr, Manish Sharma and Ananjan Basu, "Tunable EMI noise suppressor based on Ni nanowire arrays," International Conference on Magnetic Materials and Applications (MagMA) 2013, presented a poster and submitted a full paper, December 5-7, IIT Guwahati, India.
- **Monika Sharma**, Bijoy K. Kuanr, Manish Sharma and Ananjan Basu, "New Opportunities in microwave electronics with ferromagnetic nanowires," International Conference on Magnetism and Magnetic Materials (MMM) 2013, presented a poster and submitted a full paper, November 4-8, Denver, Colorado, USA.
- **Monika Sharma**, Bijoy K. Kuanr, Manish Sharma and Ananjan Basu, "Tunable coplanar waveguide microwave devices on ferromagnetic nanowires," International Conference on Nano Science and Technology (ICNST) 2013, present an oral talk and submitted a full paper, September 16-17, New Delhi.
- **Monika Sharma**, Bijoy K. Kuanr, Manish Sharma and Ananjan Basu, "Tunable noise suppressor based on Ni nanowire arrays," International Conference on Materials for Advanced Technologies (ICMAT) 2013, presented poster and submitted a full paper, June 30 – July 5, Suntec City, Singapore (2013).
- Sachin Pathak, **Monika Sharma**, and Manish Sharma, "Magnetization dynamics in highly ordered ferromagnetic multilayered nanowires array", IEEE International Magnetism Conference (Intermag) 2012, presented poster and submitted a full paper, May 7-11, Vancouver, Canada (2012).
- **Monika Sharma**, Manish Sharma and Ananjan Basu, "Comparison of ferromagnetic resonance studies in Ni thin films and array nanowires", 16th International Workshop on the Physics of Semiconductor Devices (IWPSD) – 2011, Dec 19-22 held in IIT Kanpur, presented poster.
- Sachin Pathak, **Monika Sharma**, Manish Sharma and Ananjan Basu, "FMR and Electron Spin Resonance Studies in Electrodeposited Multilayered Magnetic Nanowire Arrays", IEEE International Magnetism Conference (Intermag) 2011, presented poster and submitted a full paper, Apr 25-29, Taipei, Taiwan (2011).
- **Monika Sharma**, Sachin Pathak, Manish Sharma and Ananjan Basu, "Planar Magnetic Microwave Devices using Ferromagnetic Nanowires Substrate", IEEE International Magnetism Conference (Intermag) 2011, presented poster and submitted a full paper, Apr 25-29, Taipei, Taiwan (2011).
- **Monika Sharma**, Sachin Pathak, Manish Sharma and Ananjan Basu, "Ferromagnetic Nanowires for Microwave Applications", International Conference on Quantum Effects in Solids of Today (I-ConQuEST – 2010), presented poster in National Physical Laboratory, Dec 20-23, New Delhi (2010).
- **Monika Sharma**, Sachin Pathak, Sukhvinder Singh, Manish Sharma and Ananjan Basu, "Highly Ordered Magnetic Nickel Nanowires: Structural Properties and Ferromagnetic Resonance

Measurements”, International Conference on Magnetic Materials (ICMM – 2010), presented poster and submitted full paper, Oct 25 – 29, Kolkata (2010).

- **Monika Sharma**, Trilok Singh and Rajendra Singh, “Growth and characterization of electrodeposited CdO nanostructures and nanowires”, Proceedings of 15th International Workshop on the Physics of Semiconductor Devices (IWPSD) – 2009, Dec 15 – 19, New Delhi, 2009.

#### **Professional Development Activities and Academic Committees:-**

- **Jury Member**, INSPIRE AWARD 5<sup>th</sup> National Level Exhibition and Project Competition (NLEPC)-2015, December 6-7, 2015 organized by Department of Science and Technology, Government of India.
- **Jury Member**, INSPIRE AWARD 4<sup>th</sup> National Level Exhibition and Project Competition (NLEPC)-2014, October 6-8, 2014 organized by Department of Science and Technology, Government of India.
- **Subject Evaluator** for the Vidyarthi Vigyan Manthan State Level Examination organized by Deshbandhu College on 19th January, 2020.
- Attended **Faculty Development Programme** on “Development and Delivery of Moocs and E-content” being jointly organized by the Central University of Haryana and Deshbandhu College, University of Delhi from 26th June to 1st July, 2020.
- Attended National Level **Faculty Development Programme** on “Scilab” in association with spoken tutorial IIT-Bombay from 15th June to 19th June, 2020 organized by Department of Science & Humanities, St. Peter’s Engineering College.
- Attended National Level **Faculty Development Programme** on “LATEX” in association with spoken tutorial IIT-Bombay from 1st June to 5th June, 2020 organized by Department of Science & Humanities, CMR Engineering College.
- Attended **Faculty Development Programme** on “Quality Assurance in Higher Education: Practices and Issues” being organized by Hansraj College, University of Delhi from 4th May to 8th May, 2020.

#### **Responsibilities and Contribution to Corporate Life:-**

- **Organizing Member**, International Conference on Physics, Society and Technology, Department of Physics, Deshbandhu College, University of Delhi, Delhi, India, 17.01.2019-19.01.2019.
- **Organizing Member**, of International conference on Bhartiya Women: Past, Present and Future, 2019 organized by Deshbandhu College, University of Delhi, Delhi, India, 23.02.2019-24.01.2019.
- **Organizing Member**, of International conference on Human Rights, 2020, organized by Deshbandhu College, University of Delhi, Delhi, India, 22.02.2020-23.01.2020.

#### **Webinar Attended:-**

1. Participated in webinar on Online Teaching and Learning Technology, organized by ARSD College, University of Delhi held on 27th April, 2020.
2. Participated in the webinars on "Women: The Pivotal Point of Health and Wellness of the Family" and "Yoga and Immunity" organized by Department of Physical Education, Bharti College, University of Delhi held on May 18, 2020 and May 20, 2020.
3. Participated in 2 days webinar on "MIMO Antennas for 5G communications using CST Studio Suite" organised by department of electronic science, University of Delhi South Campus, New Delhi held on June 5 - June 6, 2020.

4. Participated in the webinar on “strengthening student support and progression” organised by Keshav Mahavidyalaya and Sri Aurobindo College (Evening), University of Delhi held on 21st April, 2020.
5. Participated in the webinar on hypertension and covid-19: A cardiologist's perspective, organised by department of microbiology, Swami Shraddhanand college, University of Delhi on July 3, 2020
6. Participated in the webinar on cyber security awareness:V organised by bhaskaracharya college of Applied Sciences University of Delhi held on August 29 2020.
7. Participated in the international conference on "drug development, its challenges and role of Nutrition in immunboosting against covid-19" organised by zoology department, Kalindi College, University of Delhi held on 20th May 2020.
8. Participated in the six days webinar on "how to become a successful Entrepreneur - Atamnirbhar" organised by School of Open Learning, University of Delhi from 28th May, 2020 to 8th June, 2020.
9. Participated in the webinar on “cyber security awareness:III” organised by Bhaskaracharya college of Applied Sciences, University of Delhi held on June 14, 2020.
10. Participated in the program of “Hindu Samrajya Diwas” organised by YUVA society of Deshbandhu College, University of Delhi held on June 4, 2020.
11. Participated in the national webinar on “preventive Health Care diagnostic platforms based on micro-nanotechnology” organised by Department of Science, Lady Irwin College held on 30th May, 2020.
12. Participated in the webinar on “cyber security awareness:II” organised by Bhaskaracharya college of Applied Sciences, University of Delhi held on July 3, 2020.
13. Participated in the webinar on "importance of infrastructure and learning resources in HEI" organised by Keshav Mahavidyalaya and Sri Aurobindo College (Evening), University of Delhi held on 2nd May, 2020.
14. Participated in the national webinar on "science society and exponential change: reimagining the future" organised by department of Physics, Kalindi College, University of Delhi held on May 13, 2020.
15. Participated in a webinar on “DNA repair” organised by department of Biochemistry, Shivaji College, University of Delhi on April 30, 2020.
16. Participated in the webinar on gender sensitivity best practices to follow organised by internal complaints committee (ICC) and IQAC, Deshbandhu College and POSHCA on 15th July, 2020.
17. Participated in National Webinar on emerging out a winner in lockdown organised by department of Physics Kalindi College University of Delhi on May 14 2020
18. Participated in Webinar on “higher education in India after covid-19” organised by ARSD College, University of Delhi held on 7th May, 2020.
19. Participated in webinar on “what is light evolution of Quantum theory” organised by department of Physics, Kalindi College, University of Delhi held on May 12, 2020.
20. Participated in 2 days webinar on “material science technology and Society” organised by School of Physical Sciences, Jawaharlal Nehru University, Delhi held on 8<sup>th</sup> – 9<sup>th</sup> May, 2020.
21. Participated in webinar on “strengthening the immune system with naturopathy” held on May 6, 2020 organised by department of Botany, Hansraj College, University of Delhi.
22. Participated in 2 days international workshop on “Rejuvenation through yoga during covid” organised by department of physical education, Dayanand College, Hisar held on 1st and 2nd June, 2020.

23. Participated in National webinar on “an introduction to measurement of light” organised by department of Physics, Kalindi College, University of Delhi held on 13th May, 2020.
24. Participated in webinar lecture series on "International yoga festival: Yog mantrana 2020" organised by department of physical education and sports Sciences, Deshbandhu College, University of Delhi from 1st to 21st June, 2020.
25. Participated in international webinar on “Nanostructured materials for controlling the flow of light” organised by department of Physics and department of Electronics, SRI YN College, Andhra Pradesh held on 5th June, 2020.
26. Participated in webinar on “Transformative power of mentoring” organised by Shyama Prasad Mukherji college for women, University of Delhi held on 9th May, 2020.
27. Participated in the webinar on "Graph theory and Petri Nets Applications " organised by Shyama Prasad Mukherji college for women, University of Delhi held on 1st May, 2020.
28. Participated in webinar on “art and science of mentoring” organised by department of Physics, Daulat Ram College, University of Delhi held on June 1, 2020.
29. Participated in the webinar on “Search Research and Publication Ethics” organised by DBC library and IQ AC, Deshbandhu College, University of Delhi held on July 24 2020
30. Participated in 2 days webinar on “Recent advances in Nanoscience and its Applications” organised by special Centre for Nanoscience, Jawaharlal Nehru University, New Delhi held on July 27 - 28, 2020.
31. Participated in 2 days webinar on “Nanoscience and Nanotechnology in the present scenario” organised by SPS and SCNS Jawaharlal Nehru University, New Delhi held on June 9 – 10, 2020.
32. Participated in National level webinar on NAAC Assessment and Accreditation, held on 21st April - 25th April, 2020, organised by Kishinchand Chellaram College, Mumbai.
33. Participated in the webinar plagiarism issues, Polices and Detection Tools, held on 25th June, 2020, organised by Ramlal Anand College, University of Delhi.

#### Awards and Distinctions

- Student Travel Award for attending 58th MMM Conference at Denver, Colorado, USA.
- Awarded excellent paper presentation certificate in International Conference on Nanoscience and Technology (ICNST-2013).
- Awarded “Level B” Proficiency in the operation of Scanning Electron Microscope at IIT Delhi (2012).
- Awarded Academic Certificate in B.Sc. (2002) for getting 2<sup>nd</sup> highest marks in the college.
- HRD Scholarship: A recipient of MHRD scholarship for pursuing M.Tech at NIT Kurukshetra.
- All INDIA GATE rank 260/5239 (Feb-2007). Ref. No. – 304450.
- Qualified CSIR-NET rank – 325/543 (June-2011). Ref. No. – Physical Science 19-06/2011(i) EU-IV, S.No. 3061152971.

#### Association With Professional Bodies

- *Editing*  
**Editorial Board Member of Reviews, Science Publishing Group.**  
[Reviews :: Science Publishing Group](#)
- *Reviewing*
- *Advisory*
- *Committees and Boards*
- *Memberships*
- *Office Bearer*

#### Other Activities



- Awarded 1st Prize in Choreo in M.Tech.(2008).
- Awarded 1st Prize in Apparel Designing in M.Tech.(2008).
- Awarded 3rd Prize in Rangoli in M.Tech.(2008).
- Awarded excellent paper presentation certificate in International Conference on Nanoscience and Technology (ICNST-2013).
- Awarded “Level B” Proficiency in the operation of Scanning Electron Microscope at IIT Delhi (2012).
- Awarded Academic Certificate in B.Sc. (2002) for getting 2<sup>nd</sup> highest marks in the college.
- HRD Scholarship: A recipient of MHRD scholarship for pursuing M.Tech at NIT Kurukshetra.

Monika,

Signature of Faculty  
Member