

Miranda House
University of Delhi

ANNUAL REPORT
2024-2025

1. Name of the College- Miranda House

2. Major Activities and Achievements

Miranda House upholds its legacy of academic excellence, innovation, and social commitment through numerous achievements. Ranked 2nd in the NIRF Rankings 2024 and India Today's rankings in Sciences and Humanities, it also received the University of Delhi's Centenary Prize for sustainable practices. It became the first DU college to receive the CURIE Core Grant for Women Postgraduate Colleges (₹60 lakh) from the DST. The college conducted the INSPIRE Internship Programme, hosting 262 students from 30 schools for hands-on science sessions and expert talks. Advancing Indian knowledge systems, the Center for Palaeography and Manuscript Studies launched a course in ancient scripts and transcription. As an institutional partner, it hosted the first BRICS Run-Up Event with the Ministry of Youth Affairs on "Building the Future with Youth and Sustainability." The college facilitated the Pehel Foundation's CSR initiative by PNB Housing Finance, offering ₹99 lakh in need-based scholarships. Celebrating its heritage, it published *The Miranda House Chronicles: Daughters of Independence*, edited by Dr. Devjani Ray. In cultural pursuits, the college staged *Aur Kitne Tukde*, inspired by *The Other Side of Silence*, and hosted a lecture-demonstration by Pandit Hariprasad Chaurasia under SPIC MACAY. These milestones reflect Miranda House's commitment to excellence and inclusive progress.

3. Honours/Distinctions

- a.** Monika Tomar Received "SMC Silver Medal – 2024" at ISMC-2024 held at DAE-Convention Centre, Mumbai, from Dec 4-7, 2024.
- b.** Ms. Madhu, Department of History Received Travel cum Accommodation Grant from University of Massachusetts, Dartmouth, USA, for participation in the conference entitled 'The Carnation Revolution: Global Perspectives', from 04-06 April, 2024.
- c.** Priyamvada Singh selected as Visiting Assistant Professor, the University of Cyberjaya, Malaysia.

4. Students with Distinctions:

- 1. Ankita Choudhary student of MA Sanskrit was awarded with Dr. C. D. Deshmukh Memorial Gold Medal by University of Delhi
- 2. Ankita Choudhary student of MA Sanskrit was awarded with Shrimati Sivakamamma Radhakrishnan Medal by University of Delhi

3. Ankita Choudhary student of MA Sanskrit was awarded with Pandit Raghubar Dayal Memorial Medal by University of Delhi
4. Harsimar Kaur student of M.Sc. Chemistry was awarded with Prof. R.P. Mitra Gold Medal by University of Delhi
5. Shefali Kohli student of M.A. English was awarded with Principal B.B. Gupta Memorial Medal by University of Delhi
6. Habiba Haroon student of M.Sc. Anthropology was awarded with University Medal for M.Sc. Anthropology by University of Delhi
7. Sunayana Santra student of B.A. (Honours) Bengali was awarded with University Medal for B.A. (Honours) Bengali by University of Delhi
8. Malavika V. student of B.Sc. (Honours) Zoology was awarded with University Medal for B.Sc. (Honours) Zoology by University of Delhi
9. Shambhavi Krishna student of B.Sc. Life Science was awarded with University Medal for B.Sc. Life Science by University of Delhi

5. **Research Publications: Organize the faculty names in alphabetical order and list each faculty member's publications under their respective names.**

S.No.	Journal Publication in APA Format
1.	Deepali, Kumar, S., Elangbam, G., Shakya, R., Kumari,R., Nath,G., &Asthana, R.K. (2025). Antarctic cyanobacterium <i>Nostoc</i> CCC537: A treasure trove of synergistically active antibacterials. <i>Afr.J.Bio.Sc.</i> (Scopus Index) 7(1) (2025) ISSN: 2663-2187.
2.	Shakya, R., Kumari, R., Verma, D. & Elangbam, G. 2024. Morphological and Biochemical Profiles of Pollen Allergens from Asteraceae: a Pilot Study. <i>The Botanical Review</i>
3.	Sonkar, S.M., Sengupta, S., Sonkar, A., Bahri, S. & Sinha Roy, S. (2025). Osazone Formation of Sugars: A Green Chemistry Strategy for the Undergraduate Laboratory. <i>Asian Journal of Green Chemistry</i> , 9(3):246-254.
4.	Raj Kumar Thakur, Niraj Kumar Sharma, Sandeep Kumar, Mahinder Singh, Taruna Singh, Anita Kumari*, Radiation-Induced Graft Copolymerization of Methyl Acrylate onto Poly(Tetrafluoroethylene-Co-Ethylene) Film By Discontinuous Method. <i>African Journal of Biological Science</i> ,508-523, 6 (3) (2024) ISSN number 2663-2187.
5.	Taruna Singh, Yashika Thakran, Sweta, Sandeep Kumar, Raj Kumar Thakur, Niraj Kumar Sharma, Anita Kumari*, Harnessing the Power of Indian Medicinal Plants: Traditional Knowledge and Modern Applications in Herbal Medicine. <i>Journal of Chemical Health Risk</i> , 261-270 14(4), (2024) ISSN:2251-6727.
6.	Anita Kumari*, Taruna Singh, Sandeep Kumar, Raj Kumar Thakur, Experimental and Surface Morphological Studies of Imidazolium-based Ionic Liquid as Corrosion Inhibitor for Mild Steel in Sulphuric Acid Medium, <i>Asian Journal of Chemistry</i> 2946-2950, 12 (2024), ISSN: 0970-7077.
7.	Saha, R., Neha; Thukral, A., Pal, A. & Saini, P. A Facile Waste-to-Wealth Approach for Synthesis of Functionalized Silica Nanoparticles from End-of-Life Solar Panel Waste for Technological Applications. (2025) <i>Resour. Conserv. Recycl.</i> , 215, 108059.
8.	Thukral, A., Thulasiraman, A. V., Vuppaladadiyam, A. K., Patel, S. K., Jena, M. K., Shah, K., Gupta, N., Saha, R., Pal, A. & Saini, P. Hybrid Kinetic Analysis of FR-2 and FR-4 Type Printed Circuit Boards: A Thermogravimetric Analysis. (2025) <i>Circ. Econ.</i> , 4 (1), 100125.
9.	Saha, R.,Neha, Thukral, A. Pal, A. & Saini, P. (2025). Sunlight responsive superhydrophilic rGO-TiO2 nanocomposite coatings for photovoltaic applications, <i>Diamond and Related Materials</i> , 49, 111603.
10.	Gupta, A., Yadav, S., Rani N., Gupta, K., Saini, K. (2024). Degradation of toxic methylene blue dye with Zinc oxide (ZnO) nanoparticles

	synthesized by leaf extract of <i>Madagascar periwinkle</i> . <i>Biomass conversion and Biorefinery</i> .
11.	Rani, N., Khan, Y., Yadav, S., Kalawati Saini, K. & Maity, D. (2024). Application of Metal Oxide Nanoparticles in Different Carcinomas. <i>Journal of Nanotheranostics</i> , 5(4), 253-272.
12.	Yadav, S., Rani, N., Aarti, Saini, K. (2024). Photocatalytic degradation of toxic organic dye (Methylene blue) using ZnO nanoparticles synthesized with petals extract of <i>Rosa rubiginosa</i> plant. <i>Biomass conversion and Biorefinery</i> .
13.	Vaishali, Sharma, S., Ensaaf, S., Verma, N., Johari, S., Zaharani, L., Salami, S.A., Rachna, Rani, N. & Rani, S. (2025). Magnetic nanoparticle-catalyzed synthesis of indole derivatives: a green and sustainable method. <i>Monatshefte für Chemie-Chemical Monthly</i> , 1-31.
14.	Nain, A. K., Droliya, P. (2025). Temperature and composition dependence of viscosity, refractive index and thermodynamics of viscous flow for benzonitrile + methyl/ethyl/butyl methacrylate binary systems: Experimental and theoretical study. <i>Chemical Thermodynamics and Thermal Analysis</i> , 17, 100157
15.	Nain, A.K., Chaudhary, N, Droliya, P. Manchanda, P.K., Khurana, A., Nayak, D. (2024) Probing the Physicochemical Behavior of Acidum Aceticum Homoeopathic Dilutions at Ambient Temperatures by using Volumetric, Acoustic and Viscometric Methods, <i>Organic and Medicinal Chemistry</i> , 13 (5) 1-20
16.	Nain, A.K., Chaudhary, N, Droliya, P. Manchanda, P.K., Khurana, A., Nayak, D. (2024) Ultrasonic investigation on the physicochemical behaviour of acidum lacticum homoeopathic dilutions at different temperatures by using acoustic, volumetric and viscometric methods, <i>The J. Acoustical Society of India</i> 51 (4) 238-260
17.	Kumar, R., Panwar, L., Panchal, D., Jaglan, A., Verma, S., Kumar, M., Singh, P., Rathi, B. (2025). Hydro- and deuterio-dehalogenation reactions: an overview of principles and practices. <i>Molecular catalysis</i> , 572, 114789
18.	Upadhyay, C., Bhattacharya, S., Kumar, S., Vashist, K., Zhang, X., Gagnon, D., Singh, P., Zhan, P., Richard, D., Rathi, B., Singh, A. P., Singh, P. (2024) Fluorinated piperazine hydroxyethylamine analogs as potential antiparasitic candidates: Synthesis, biological assays and pharmacological studies. <i>ChemMedChem</i> , e202400616
19.	Kumar, S., Kumar, D., Upadhyay, C., Bansal, M., Rathi, B., Singh, P. (2024) Functionalization of cellulose nanocrystals with bioactive scaffold: Synthesis, characterization, and biological studies. <i>International Journal of Biological Macromolecules</i> 282, 136660.
20.	Sharma, H., Kumar, M., Bhatt, P. R., Singh, P., Rathi, B. (2024) Metal-free diversification of unprotected amino acid drugs via tandem reaction

	of 2-(2-oxo-2-aryl/alkylethyl)benzonitrile in aqueous medium. <i>Chemistry-A European Journal</i> , e202402214.
21.	Sonkar, S.M., Sengupta, S., Sonkar, A., Bahri, S., Sinha Roy, S. (2025). Osazone Formation of Sugars: A Green Chemistry Strategy for the Undergraduate Laboratory. <i>Asian Journal of Green Chemistry</i> , 9, 246-254
22.	Sengupta, S., Sonkar, S.M., Sonkar, A. (2025) Facile Green Transesterification: An Undergraduate Laboratory Approach to Synthesize 3,5-dinitrobenzoates. <i>World Journal of Chemical Education</i> , 13(1), 17-18
23.	Raj Kumar Thakur, Niraj Kumar Sharma, Sandeep Kumar, Mahinder Singh, Taruna Singh, Anita Kumari, Radiation-Induced Graft Copolymerization of Methyl Acrylate onto Poly(Tetrafluoroethylene-Co-Ethylene) Film By Discontinuous Method. <i>African Journal of Biological Science</i> , 508-523, 6 (3) (2024) ISSN number 2663-2187
24.	Taruna Singh, Yashika Thakran, Sweta, Sandeep Kumar, Raj Kumar Thakur, Niraj Kumar Sharma, Anita Kumari, Harnessing the Power of Indian Medicinal Plants: Traditional Knowledge and Modern Applications in Herbal Medicine. <i>Journal of Chemical Health Risk</i> , 261-270 14(4), (2024) ISSN:2251-6727
25.	Anita Kumari, Taruna Singh, Sandeep Kumar, Raj Kumar Thakur, Experimental and Surface Morphological Studies of Imidazolium-based Ionic Liquid as Corrosion Inhibitor for Mild Steel in Sulphuric Acid Medium, <i>Asian Journal of Chemistry</i> 2946-2950, 12 (2024), ISSN: 0975-427X (Online) ISSN: 0970-7077
26.	Anita Kumari, Taruna Singh, Shinjinee Bhattacharyya, Sandeep Kumar, Raj Kumar Thakur, A Review of Biological and Nutritional Significance of Lutein derived from Indian Cultivars of <i>Tagetes patula</i> L, <i>International Journal for Innovative Research in Multidisciplinary Field</i> ISSN:2455-0620.
27.	Rana, S., Kumar, Y., Kaushik, R., & Kumar, L. S. (2024). Recent Developments in Metal-Organic Frameworks for Water Purification: A Mini Review. <i>ChemistrySelect</i> , 9(35), e202403309.
28.	Aggarwal Seema, Aggarwal Geeta & Bansal Manisha (2024). Effect of Different MCDM Techniques and Weighting Mechanisms on Women Vulnerability Index <i>International journal of intelligent systems and applications in engineering</i> , 12 (21s), 3291-3299
29.	Bansal Manisha, Aggarwal Geeta & Aggarwal Seema. (2024). A3-approximation algorithm for uniform capacitated facility location problem with penalties. <i>Journal of Electrical Systems</i> , 20(7s), 461-468.
30.	Aggarwal Geeta & Aggarwal Seema. (2024). Digital payment fraud: Detection and Prediction. <i>International Journal of Innovation and Multidisciplinary Research</i> , 4(2), 47-53.
31.	Gupta Bashabi, Aggarwal Seema, Jose, M., Milu. (2024). Long-Term Seasonal and Annual Rainfall Trend Analysis of Giridih District,

	Jharkhand, India. <i>Asian journal of water environment and pollution</i> , 21(4), 73-81.
32.	Aggarwal Geeta, Aggarwal Seema, Ahuja Harita, Narang Sunita. (2024). Flood Vulnerability Index to aid Decision Making. <i>TELKOMNIKA (Telecommunication, Computing, Electronics and Control)</i> , 22(6), 1431-1442.
33.	Gupta Bashabi, Aggarwal Seema, Jose, M., Milu. (2024). A Comprehensive Analysis of Long-term Trends in Temperature and Rainfall Patterns in Sikkim, India. <i>Journal of Climate change</i> , 10 (4), 1-8.
34.	Grover M. B., Gupta R., Jain P.R., Aggarwal S., Aggarwal G., Khattar A.. Evaluating Online Education in India: Insights from Teachers <i>Journal of Computational Analysis and Applications</i> , 13(7), 374-382
35.	Grover, M. B., Gupta, R., Jain, P. R., Aggarwal, S., Aggarwal, G., & Khattar, A. (2024). Evaluating Online Education in India: Insights from Teachers. <i>Journal of Computational Analysis and Applications</i> , 33(7), 374–382.
36.	Jain, P. R., Quadri, S. M. K., & Khattar, A. (2024). EM-UDA: Emotion Detection using Unsupervised Domain Adaptation for Classification of Facial Images. <i>IEEE Access</i> .
37.	Saleem, S., Hasan, N., Khattar, A., Jain, P. R., Gupta, T. K., & Mehrotra, M. (2024). DeLTran15: A Deep Lightweight Transformer-based Framework for Multiclass Classification of Disaster posts on X. <i>IEEE Access</i> .
38.	Saleem, S., Khattar, A., & Mehrotra, M. (2024). ADA-DR: An Adversarial Domain Adaptation Framework for Disaster Response to Address Cold-Start Issue for Multiclass Classification of Disaster Images. <i>SN Computer Science</i> , 5(8), 1007.
39.	Jain, P. R., Quadri, S. M. K., & Khattar, A. (2025). PM-ViT a Framework for the Recognition of Emotions and Proclivity toward Mental Illness Using Facial Expressions. <i>Journal of Computer Science</i> , 21(3), 479–493.
40.	Pandey, V. K., Prakash, S., Gupta, T. K., Yang, T., Singh, A., & Rathore, R. S. (2024, December). A Computational Intelligence Inspired Framework for Intrusion Detection in WSN. In <i>2024 International Conference on Decision Aid Sciences and Applications (DASA)</i> (pp. 1-4). IEEE.s
41.	Pandey, V. K., Prakash, S., Gupta, T. K., Rathore, V., Singh, A., Yang, T., & Rathore, R. S. (2024, December). An Efficient and Secure Framework for Smart Healthcare Using IoT and Machine Learning. In <i>2024 International Conference on Decision Aid Sciences and Applications (DASA)</i> (pp. 1-5). IEEE.
42.	Jain, P. R., Quadri, S. M. K., Khattar, A., & Khattar, A. (2025). PM-ViT a Framework for the Recognition of Emotions and Proclivity toward Mental Illness Using Facial Expressions. <i>Journal of Computer Science</i> , 21(3), 479–493.
43.	Saleem, S., Hasan, N., Khattar, A., Jain, P. R., Gupta, T. K., & Mehrotra, M. (2024). DeLTran15: A Deep Lightweight Transformer-Based

	Framework for Multiclass Classification of Disaster Posts on X. IEEE Access, 12, 153676–153693.
44.	Grover, M. B., Gupta, R., Jain, P. R., Aggarwal, S., Aggarwal, G., & Khattar, A. (2024). Evaluating Online Education in India: Insights from Teachers. <i>Journal of Computational Analysis and Applications</i> (JoCAAA), 33(7), 374–382.
45.	Jain, P. R., Quadri, S. M. K., & Khattar, A. (2024). EM-UDA: Emotion Detection using Unsupervised Domain Adaptation for Classification of Facial Images. <i>IEEE Access</i> .
46.	Bhatia, R., M. Kumar (2024). Shifting Margins: Visibility & Invisibility of Peri- Urban Yamuna Farmers. <i>HRC Journal of Economics and Finance</i> 2(2), 1-16.
47.	Navpreet Kaur and Amanpreet Kaur (2024), “Dynamics of class and labour: Evidence from a longitudinal study in Rajasthan (India),” <i>Journal of Agrarian Change</i> . Vol. 24, no 4.
48.	Malhotra, A.T. Developing Reflective Practitioners in Pre-Service Teachers. In <i>Revitalising Teacher Education in India: NEP 2020 Prospects and Challenges</i> (ed. Jasim Ahmad, Aerum Khan, Ansar Ahmad), 97-103, Shipra Publications, Delhi. ISBN 978-93-91978-73-0
49.	Malhotra, A.T. Towards a Reflective Mathematics Pedagogy: Revisiting and Reimagining Discourse in a Mathematics Classroom on Foregrounding Teacher Education in the Light of Policy Perspectives (ed. Kaushal Kishore, Harjeet Kaur Bhatia, Arshad Ikram Ahmad, Sameer Babu M., Ali Haider):218-224, Naamak Publications. ISBN:978-81-985215-0-7
50.	Malhotra, A.T.&Kaur, J. Ganit ke Khel se Ganitiya Samvad ko Bhadahava: Ek Khojpuran Adhyayan In <i>Ganit aur Uski Shiksha</i> (ed. Hriday Kant Diwan, Haneet Gandhi, Richa Goswami):324-336, Vani Prakashan. ISBN: 978-93-5775-736-2
51.	Yadav, G & Dubey, J.P. (2024). Locating Concepts, Practices and Policies of Environmental Concern in Reports. <i>Current World Environment</i> ; 19(2).
52.	NEP 2020: Social Issues in Teacher Education in ‘Indian e-Journal on Teacher Education’, Special Issue, Oct. 2024, pg. 526-536
53.	Kaushik,B. & Rajeshwari,S.(2024).Resource Room (RR) in an Inclusive School -What, Why and How?EduInspire -An International E-Journal Council for Teacher Education,(5)1.33-38
54.	Kaushik,B. & Rajeshwari,S.(2024).UDL-Based accessible e-Content for Inclusive Classrooms: End User Experiences. <i>International Journal of Intellectual Disability</i> ,
55.	Nixon, Ngoru. Tapa, Kevilenuo. Sangtam, Salikyu (2024). Between Resistance and Participation: Decoding the Shifting Dynamics of Electoral Politics in Nagaland. <i>Economic and Political Weekly</i> . Vol. 59, Issue No. 41, 12 Oct, 2024

56.	Gupta B, Aggarwal S, Jose MM (2024) Long-Term Seasonal and Annual Rainfall Trend Analysis of Giridih District, Jharkhand, India. <i>Asian Journal of Water, Environment and Pollution</i> 21:73–81.
57.	Gupta, B., Jose, M. M., Aggarwal, S., & Ranjan, O. (2024). A Comprehensive Analysis of Long-term Trends in Temperature and Rainfall Patterns in Sikkim, India. <i>Journal of Climate Change</i> , 10(4), 1-8.
58.	Puri, P.(2025)- <i>Emerging Field of Geoethics- But Is It New to Us?</i> , ACADEMICIA- An International Multidisciplinary Research Journal, South Asian Academic Research Journals (SAARJ), CDL College of Education, Jagadhri, Affiliated to Kurukshetra University, Kurukshetra, Haryana, India,15(1), Jan.'25, Pg. 16-26, ISSN-2249-7137.
59.	Puri, P. (2024)- <i>Notable November- Geographical Behaviour of 2015 and 2021 Flooding In Tamil Nadu (INDIA)</i> , ACADEMICIA- An International Multidisciplinary Research Journal, South Asian Academic Research Journals (SAARJ), CDL College of Education, Jagadhri, Affiliated to Kurukshetra University, Kurukshetra, Haryana, India,14 (12),Dec.'24 Pg. 81-90, ISSN-2249-7137.
60.	Puri, P. and Puri, P. (2024)- <i>Bio- resource potential of Duckweed in Aquacultural Practices: An Updated Bibliometric Analysis through Scopus Database</i> , ACADEMICIA- An International Multidisciplinary Research Journal, South Asian Academic Research Journals (SAARJ), CDL College of Education, Jagadhri, Affiliated to Kurukshetra University, Kurukshetra, Haryana, India, 14 (11), Nov.'24, Pg. 15-28, ISSN-2249-7137.
61.	Puri, P. (2024). Delhi-Geographical Patterning of Ozone and Nitrogen Dioxide Gas (2019–2021) with Specific Reference to the Covid-19 Lockdown Periods. In: Kumar, M., Kumar, P., Anand, S., Verma, N.K., Tripathi, D.K. (eds) <i>Geographical Dimensions of Environmental Sustainability</i> . IGUTC 2022. <i>Advances in Geographical and Environmental Sciences</i> . Springer, Singapore.
62.	Puri, P. (2024). Pfafstetter Code Based Watershed Delimitation, Geological Observations, Land Cover, and Population Density Analysis for Mizoram Through Remote Sensing: Aiding and/or Improvising the Digital Watershed Atlas of India. In: Rai, P.K., Singh, A., Beingachhi, B., Singh, S.K. (eds) <i>Natural Resources Management and Sustainable Livelihoods in the Mountainous Region</i> . <i>Advances in Geographical and Environmental Sciences</i> . Springer, Singapore.
63.	Puri, P. – Geographical Insights into Diabetes among Urban and Rural Women in India: Exploring NFHS-4 and NFHS-5 Database, in Mishra, M., Sharma, V.R., Chakrabarti, A. (eds) <i>Political Economy of Emerging Urban and Peri-urban Spaces in India</i> . <i>New Frontiers in Regional Science: Asian Perspectives</i> , vol 81. Springer, Singapore.
64.	Puri, P. (2024). COVID-19 Lockdown and Forest Fires in the Times of Climate Change for the Mountainous States of Himachal Pradesh, Uttarakhand, and Seven Sister States of India: A Spatio-Temporal

	Interpretation (2012–2022). In: Mishra, M., de Lucena, A.J., Maharaj, B. (eds) Climate Change and Regional Socio-Economic Systems in the Global South. Springer, Singapore.
65.	Kumar P, Deka D, Husain MA, Kumar M, Choudhari P, Singh S, Kamil A and Banerjee A. (2025). Trend analysis of precipitation and temperature in Lahaul-Spiti district, Himachal Pradesh, India. <i>Front. Clim.</i> 6:1348132.
66.	Nag Nisha, Svatva ki Ladai aur pratibandhit sahitya Peer Review ,Vidya Varta,Issue 51,Vol. 05,July-Sep,2024 Page No.120-125,ISSN-2319 9315
67.	Nag Nisha, Kranti Ki Avdharna aur Gandhi ji, PrintingArea, Issue – 117, Vol.-02,2024, Peer Review International MultilingualResearch Journal,Paper No. 129-134.
68.	Nag Nisha, Soochna Sanchetna aur Internet Vigyapan, Samvad Path,UGC Care List,ISSN-2581-7353,Khand 7,ank – 2 July -December 24,Page No.102-106.
69.	Nag Nisha, Himachal ke Parmparagat khel , Kala Vasudha,Peer Reviewed,ISSN-2348-3660,October-November,2024,Page No. 153-156.
70.	ब्लैक होल में स्त्री: भारतीय समाज के अंधेरे पक्ष का उद्घाटन-जनकृति जनवरी 2025, वर्ष-10,अंक 17, पृष्ठ 33-53, ISSN 2454-2725 International multidisciplinary peer reviewed Journal
71.	Snigdha Singh (2023), ‘Gender Roles in the <i>Pañchatantra</i> : Representation and Construction’, <i>South India Journal of Social Sciences</i> , vol. XXI/ 8:167-175. ISSN: 0972–8945.
72.	Snigdha Singh (2023), ‘Interlinkages between Property and Matronage in the Patriarchal Society: A Peep in Early Historic and Early Medieval India’ <i>Journal of the Asiatic Society of Mumbai</i> , vol. XCVI/ 16: 139-143. ISSN: 0972-0766.
73.	Banerjee, Sushmita (2024). Persian literati, Islam and politics: Being a Muslim in Abd al-Haqq Dehlawi’s texts. <i>South Asia: Journal of South Asian Studies</i> , 46(6), 1115-1133.
74.	Bikram Singh and Ravi Kumar, FLOW VISUALIZATION TECHNIQUES FOR TURBULENT FLOW IN AIR AND WATER, International Journal of Multidisciplinary Educational Research (IJMER), Volume:13, Issue:11(3), November: 2024, pages 80-88.
75.	Bikram Singh and Gaurav Gupta, EFFECTS OF FLUID PROPERTIES ON FLOW RESISTANCE IN MICROFLUIDIC DEVICES, International Journal of Multidisciplinary Educational Research (IJMER), Volume:13, Issue:11(3), November: 2024, pages 208-215.
76.	Mohd Sarik Idrisi, Arvind Yadav & Rajeev Kumar, PNTRU: A generalized NTRU encryption scheme on product ring. In: <i>AIP Conf. Proc.</i> 3283, 030006 (2025)
77.	Grover, M.B., Gupta, R., Jain, P.R., Aggarwal, S., Aggarwal, G., Khattar, A. (2024). Evaluating Online Education in India: Insights from Teachers. <i>Journal of Computational Analysis and Applications</i> , 33 (7), 374-382.

78.	Grover, M. B., Gupta, R., Jain, P. R., Aggarwal, S., Aggarwal, G., & Khattar, A. (2024). Evaluating Online Education in India: Insights from Teachers. <i>Journal of Computational Analysis & Applications</i> , 33(7).
79.	Curto, R. E., Datt, G., Gupta & B. B. (2024). Commutativity of Hankel and Toeplitz operators on the Hardy space of n-torus. <i>Bulletin des Sciences Mathematiques</i> , 194
80.	Datt, G., Gupta & B. B. (2024). Operator Equations Inducing Some Generalizations of Slant Hankel Operators. <i>Acta Mathematica Sinica, English Series</i> , 40(8), 2017-2036
81.	Kannojiya, Reena. 2025. An analysis of the nature of soul (Consciousness) in Hegel's Philosophy. In book 'Dimensions of Philosophy Festschrift to Professor Raghwendra Pratap Singh : 149-162, DK Print world, New Delhi. ISBN:978-81-246-1307-8
82.	Kannojiya, Reena. 2024. The Vedic Literature and its Innovative Contributions. In book 'Innovative Applications of Vedic Knowledge in Modern Times: 29-36, Pratibha Prakashan, Delhi. ISBN- 978-81-7702-523-1
83.	Sinha, R.V. (2024). Ethical Teachings of Bodhipathapradeep: Some Reflections. <i>Journal of Foundational Research</i> . 32(2), 126-134.
84.	Sinha, R.V. (2025). Ethical and Philosophical Perspective on the Issue of Female Foeticide. <i>Vidyawarta</i> . 53 (9), 50-54.
85.	Sinha, R.V. (2025). The Ecological Thinking in the Vedic Philosophy. <i>Printing Area</i> . 123 (2), 48-52.
86.	Sinha, R.V. (2025). Vivekananda ki Drishti Mein Dharma ka Svarupa aur Marg. <i>Vaaksudha</i> . 43, 117-122.
87.	Motilal, S. & Kapoor, T. (2024) 'Juvenile Crime, Juvenile Justice and the Collective Social Good', <i>Journal of Ethics, Economics and Common Goods</i> , 21 (2), p. 63-71.
88.	Dr. Amita Rana, Dr. Abhinash Mohapatra, Dr. Gunjan Deolal, Dr. Parminder Kaur & Prof. (Dr.) Seema Kaushik Sharma. <i>The Psychological Impact of Social Media on Adolescent Mental Healths</i> . VOL.10 NO. 1 (2025): International Journal of Humanities and Social Science, ISSN: 2208-2174.
89.	Dr. Anju Luthra, Dr. Amita Rana, Dr. Seema Kaushik Sharma. <i>Understanding The Landscape of Doping Violations Among Female India Athletes and their Health Implication</i> . UGC Care Listed - Shrivaishnavi (Yearly Publication): Part 4, ISSN: 7552-2779.
90.	Naorem, B.D., Singh, J.P., Sharma, B., Garg, S., Athira C, Sherin, H., Momaliya, M., Muskan, Sahu, S., Chowdhuri, A., Verma M., Tomar, M., Batra, N. (2025) Mn-doped ZnO thin films as a platform for reagentless uric acid biosensor. <i>Chemical Physics Impact</i> , 10, 100823.

91.	Devi, L.R., Naorem, B.D., Chowdhuri, A., Sharma, H.B. (2024) Flexible PVDF/BST nanocomposites for mechanical energy harvesting application. <i>Journal of Alloys and Compounds</i> , 1004, 175762.
92.	Devi, L.R., Naorem, B.D., Chowdhuri, A., Sharma, H.B. (2024) Influence of Sr ²⁺ ion content on the structural and electrical properties of Ba _{1-x} Sr _x TiO ₃ nanopowders, <i>Journal of Materials Science: Materials in Electronics</i> , 35, 2089.
93.	Aalam, S. M., Sarvar, M., Bhat, M. N., Tomar, M., & Ali, J. (2024). High performance chemiresistive carbon-nanotube ammonia gas sensor surface modified by tantalum oxide (Ta ₂ O ₅) metal nanoparticles. <i>MRS Advances</i> , 9(18), 1454-1459
94.	Tyagi, M., Raj, V. B., & Tomar, M. (2024). High gain NiO/ZnO heterojunction photodiodes operated in deep-ultraviolet region. <i>Thin Solid Films</i> , 798, 140389.
95.	Lochab, A., Baweja, S., Jindal, K., Chowdhuri, A., Tomar, M., & Saxena, R. (2025). Electrochemical sensing of paracetamol using functionalized MWCNTs: Integrating computational and experimental methods. <i>Analysis and Sensing</i> , 5(2), e202400098
96.	Jeengar, C., Jindal, K., Tomar, M., & Jha, P. K. (2025). Fabrication of NO ₂ gas sensor based on α -In ₂ Se ₃ thin films grown using PLD technique. <i>Journal of Electronic Materials</i> , 135379
97.	Ahmad, T., Jindal, K., Tomar, M., & Jha, P. K. (2024). Enhanced electro-optic properties by Ca substitution in SBN60 thin films grown by pulsed laser deposition technique. <i>Optical Materials</i> , 157, 116364
98.	Padha, B., Ahmed, Z., Dutta, S., Pandey, A., Padha, N., Tomar, M., Sharma, A., Yadav, I., & Arya, S. (2025). Ultrasensitive NO ₂ gas detection using ALD-grown ZnO-SiO ₂ /Si thin film-based UV sensors. <i>Journal of Alloys and Compounds</i> , 1010, 177673
99.	Chanchal, N., Jindal, K., Tomar, M., & Jha, P. K. (2024). A self-selector and self-rectifying charge-trap-based resistive switching device using In ₂ Se ₃ thin films. <i>ACS Applied Electronic Materials</i> , 6(5), 3742-3753
100.	Singh, A., Mohapatra, S., Tomar, M., Chowdhuri, A., & Singh, V. (2025). Low temperature NO ₂ gas sensing achieved by mesoporous SnO ₂ . <i>Journal of Alloys and Compounds</i> , 1013, 178592
101.	Jyotsna, K., Tomar, M., & Phanjoubam, S. (2024). Strong magnetoelectric coupling in novel Na _{0.5} Bi _{0.5} TiO ₃ -BaFe _{12-2x} CoxTixO ₁₉ multiferroic composite. <i>Ceramics International</i> , 50(18), 33189-33202
102.	Singh, J. P., Sharma, A., Verma, M., Tomar, M., & Chowdhuri, A. (2025). Mechanism of trace-level detection of dibutyl sulfide (DBS) at room temperature using UV-activated MoO ₃ coated quartz crystal microbalance (QCM) sensor. <i>Sensors and Actuators B: Chemical</i> , 426, 137102

103.	Jyotsna, K., Tomar, M., & Phanjoubam, S. (2025). Magnetoelectric and energy harvesting capabilities of PVDF-Na _{0.5} Bi _{0.5} TiO ₃ -BaFe ₁₂ O ₁₉ composites. <i>Ceramics International</i>
104.	Lochab, A., Baweja, S., Jindal, K., Chowdhuri, A., Tomar, M., & Saxena, R. (2025). Experimental and computational insights on the electrochemical detection of diclofenac in the presence of paracetamol using Asparagine-Modified MWCNTs. <i>Microchemical Journal</i> , 208, 112430
105.	Choudhary, J. S., Dhariwal, N., Grover, K., Tomar, M., Jha, R., & Sharma, A. (2025). Enhanced energy harvesting with a flexible PEDOT:PSS-based photo-thermoelectric generator. <i>ACS Applied Energy Materials</i> , 8(1), 611-622
106.	Singh, A., Vats, M., Mohapatra, S., Tomar, M., Chowdhuri, A., & Singh, V. (2024). Template-assisted mesoporous SnO ₂ based gas sensor for NO ₂ detection at low temperature. <i>Journal of Porous Materials</i> , 31(2), 545-555
107.	Singh, J. P., Sharma, A., Tomar, M., & Chowdhuri, A. (2024). WO ₃ and WO ₃ -SnO ₂ composite-based sensors for low-temperature detection of NO ₂ gas. <i>Journal of Electronic Materials</i> , 53(11), 6688-6699
108.	Sharma, B., Gupta, R., Sharma, A., Chowdhuri, A., & Tomar, M. (2025). Power in motion: KNN-PDMS self-biased flexible piezoelectric nanogenerators. <i>Materials Today Communications</i> , 44, 112140
109.	Lamichhane, S., Tomar, M., Chowdhuri, A., & Sharma, S. (2025). Role of laser energy variation on energy storage capacity of bilayer BFO/WO ₃ thin film structure. <i>Materials Science in Semiconductor Processing</i> , 188, 109218
110.	Aalam, S. M., Sarvar, M., Sadiq, M., Bhat, M. N., Tomar, M., & Ali, J. (2025). Enhanced ammonia gas sensing properties in porous multiwalled carbon nanotubes decorated with metal nanoparticles: The impact of concentration of Mn. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 16(1), 015003
111.	Sharma, B., Sharma, A., Gupta, R., Chowdhuri, A., Verma, M., & Tomar, M. (2024). Flexible sheets of lead free KNN-PVDF composite: A sustainable pyroelectric energy harvester. <i>Ceramics International</i> , 50(22), 46982-46992
112.	Gupta, R., Rana, L., Verma, M., Sharma, A., Tomar, M., & Chowdhuri, A. (2024). PZT-based dual energy harvester using chemical solution deposition technique. <i>Journal of Magnetism and Magnetic Materials</i> , 600, 172152
113.	Sharma, B., Gupta, R., Chowdhuri, A., & Tomar, M. (2024). Investigating mechanism of photo refractivity in Mg substituted ZnO thin films using pump and probe technique. <i>Materials Chemistry and Physics</i> , 319, 129375

114.	Choudhary, J. S., Grover, K., Tomar, M., Sharma, A., & Jha, R. (2024). Self-aligned shadow masking for antimony telluride growth: Novel advancements in single-leg thermoelectric array design. <i>Materials Chemistry and Physics</i> , 326, 129752
115.	Mahlawat, V., Tomar, M., & Gupta, R. (2024). Pyroelectric thermal energy harvester based on sol-gel-derived PLZT films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 221(16), 2400041
116.	Chanchal, N., Singh, J. P., Jindal, K., Tomar, M., & Jha, P. K. (2024). A novel photoelectrochemical-based water splitting and uric acid biosensing using PLD grown In ₂ Se ₃ thin films. <i>Electrochimica Acta</i> , 505, 144933
117.	Richa Kundu The VISTA Variables in the Vía Láctea extended (VVVX) ESO public survey: Completion of the observations and legacy
118.	Monica Gambhir, Sumana Devi, Vinod Prasad , <i>Microwave assisted directional and thermal properties of the hindered rotor in external field</i> , Chem. Phys. 591, 112598 (2025).
119.	Sheetal Sharma, Salman K. Malik, Zarina Banoo and Ramni Gupta: Normalized factorial moments of spatial distributions of particles in high multiplicity events: A Toy model study: <i>Nucl.Phys.A</i> 1053 (2025) 122963.
120.	Zarina Banoo ALICE Collaboration: First observation of strange baryon enhancement with effective energy in pp collisions at the LHC: <i>JHEP</i> 03 (2025) 029.
121.	Zarina Banoo, ALICE Collaboration: Particle production as a function of charged-particle flatnecity in collisions at13 TeV: <i>Phys.Rev.D</i> 111 (2025) 1, 012010
122.	Zarina Banoo, ALICE Collaboration: Studying the interaction between charm and light-flavor mesons: <i>Phys.Rev.D</i> 110 (2024) 3, 032004
123.	Zarina Banoo, ALICE Collaboration: Common femtoscopic hadron-emission source in pp collisions at the LHC: <i>Eur.Phys.J.C</i> 85 (2025) 2, 198
124.	Zarina Banoo, ALICE Collaboration: Probing Strangeness Hadronization with Event-by-Event Production of Multistrange Hadrons: <i>Phys.Rev.Lett.</i> 134 (2025) 2, 022303
125.	Zarina Banoo, ALICE Collaboration: Investigating baryon production in - Pb collisions in jets and the underlying event using angular correlations: <i>Phys.Rev.C</i> 111 (2025) 1, 015201
126.	Zarina Banoo, ALICE Collaboration: Measurements of Chemical Potentials in Pb-Pb Collisions at 5.02 TeV: <i>Phys.Rev.Lett.</i> 133 (2024) 9, 092301

127.	Zarina Banoo, ALICE Collaboration: Multiplicity dependence of charged-particle intra-jet properties in pp collisions at 13 TeV: <i>Eur.Phys.J.C</i> 84 (2024) 10, 1079
128.	Singh, Pushpa (2024) Celebrating International Year of Millet 2023: Analysing Sustainable Food Security in India Since Independence to the Amrit Kaal from the Lens of Millets,
129.	Singh, Hena., Surabhi, Singh Chandrachur (2024). Pandita Ramabai: A Pioneer in Challenging Patriarchy and Advocating Women's Right. Society and Politics Vol. 14 / No.1 / 2024, ISSN : 2248-9479, 38-43.
130.	Mishra,Chandan Kumar,(2024).Guptottar kaaleen Abhilekhon men Vakya-vichar. <i>Anvesak</i> , 54,No.2(VI), 92-94.
131.	Mishra, Chandan Kumar,(2024).Uttar Bhartiya Abhilekhon men Ullikhit Kar ke Adhyaksha evam Adhikaari. <i>Shodha Prabha</i> , 49,No.1(VI), 10-12
132.	Mishra,Chandan Kumar,(2024).Smriti Granthon me Kar Vyavastha ka Swaroop. <i>International Journal of Cultural Studies and Social Sciences</i> , 20,No.23(II), 35-36
133.	Bhatia, R. (2024, April). Gender and Humour in Indian Folk Tales- The Pañcatantra. <i>Vantage: Journal of Thematic Analysis</i> , 5(1), 67-77. ISSN: 2582-7391
134.	Bhatia, R. (2024, May 12). An Analysis of Feminist Methodology. <i>International Journal Of Innovative Research In Technology</i> , 10, 1819-1828. ISSN: 2349- 6002
135.	Bhatia, R. (2024, June 29). Humour and Online Feminism in India. <i>SAARC Journal of Social Sciences</i> , 147-162. ISSN: 25839950
136.	Bhatia, R. (2024, July). A Bricoleur Approach to Understanding Gender: Gender and Gender Testing in Sports. <i>International Journal Of Innovative Research In Technology</i> , 106-118. ISSN: 2349- 6002
137.	Bhatia, R., & Kumar, M. (2024, April- June). Shifting Margins: Visibility & Invisibility of Peri- Urban Yamuna Farmers. <i>HRC Journal of Economics and Finance</i> , 2(2), 1-16. ISSN: 2583 – 8814
138.	Bhatia, R., & Kumar, M. (2024, April). ‘Urbanising a River: Twin Tales of Yamuna and Delhi. <i>Explorations, ISS e- journal</i> , 8(1), 127-158. ISSN: 2581-5741
139.	Rajput, S. (2025). Book Review: On Shifting Ground. <i>Exertions</i> .
140.	Nar, R., Sehrawat, N., Kumar, S., Kumar, A., Upadhyat, S. K., Yadav, D., Yadav, M. (2024). Recent Updates on Microbial Naringinase for Debittering of Citrus Juices by Transformation of Flavonoid Naringin. <i>Biosciences Biotechnology Research Asia</i> , 21(4), 1265-1276.
141.	Priyanka, S. Sharma., M. V. Basil., & M. Sharma. (2024).C-terminal region of Rv1039c (PPE15) protein of Mycobacterium tuberculosis targets host mitochondria to induce macrophage apoptosis. <i>Apoptosis</i> , 29,1757–1779

142.	Priyanka, S, Sharma., H. Joshi., C. Kumar., R, Waseem., & M. Sharma. (2024). <i>Mycobacterium tuberculosis</i> protein PPE15 (Rv1039c) possesses eukaryote-like SH3 domain that interferes with NADPH Oxidase assembly and Reactive Oxygen Species production. <i>BBA - Molecular Cell Research</i> . 1871, 119702
143.	Priyanka, S. Sharma., & M. Sharma. (2024). Role of PE/PPE proteins of <i>Mycobacterium tuberculosis</i> in triad of host mitochondria, oxidative stress and cell death. <i>Microbial Pathogenesis</i> , 193, 106757
144.	Priyanka., P. Bhatt., A.K. Bedi., M.V. Basi.l, M. Sharma., & S. Sharma. (2025). Association of Latent Tuberculosis and Vitamin D Levels in Young Individuals: An Exploratory Study, <i>Int. J. Mycobacteriology</i> , 14. 66-72
145.	Vashishta, N., Suman, P., Yadav, Y., Kumari, S., Zachariah, N. and Singh, S.K. (2024) <i>Drosophila melanogaster</i> “a potential model organism” for evaluating the phytochemical effects of medicinal plant. <i>J. Env. Bio-Sci.</i> 38, 1-5.
146.	Sharma ,H., Vashishta,N., Suman, P., Thakur, A., Yadav, Y. (2024).Assessing Cocoon Production by Earthworm in Response to Soil Pesticide Contamination. <i>Current Agri culture Research Journal</i> ,12(2), 836-843
147.	Upadhyay,S.K.,Babita,Singh,M., Sherawat N., Singh,R.,Pandey,Y.P.,Vashishta,N. (2024). Effect of Dissolved Oxygen on Infectivity Pattern of Cestodes <i>Lytocetus haryana</i> in Fish <i>Clarias batrachus</i> L. of River Yamuna, Yamuna Nagar (Haryana), India
148.	Singh,K., Arya P., Vashishta,N.,Rajpati,A., Raina, A., Siag,H.,Baweja,V. (2024). Efficacy Of Curcuma Longa, Withania Somnifera, Ginkgo Biloba Ithania Somnifera, Ginkgo Biloba In Curing Dementia: A Synergistic Pharmacotherapy
149.	Sharma, H., Vashishta N., Suman P., Thakur A., & Yadav Y. (2024). <i>Assessing Cocoon Production by Earthworm in Response to Soil Pesticide Contamination</i> . 12(2), 836-843.
150.	Vashishta N., Suman P., Yadav Y., Kumari S., Zachariah N., and Singh S. K. (2024) <i>Drosophila melanogaster</i> “A Potential Model Organism” for Evaluating the Phytochemical Effects Of Medicinal Plants” 38(2), 165-169.
151.	Ghosh, C., Bisht, K., Shelly, A., & Kumari, R.* (2024). Evaluation of size–segregated bioaerosols concentration, deposition fraction and inhalation dose in individuals of an educational institute: a case study for health risk assessment. <i>Air Quality, Atmosphere & Health</i> , 17(11), 2693-2709.
152.	Vashishta N., Suman P., Yadav Y., Kumari S., Zachariah N., Singh S.K. (2024) <i>Drosophila melanogaster</i> “A Potential Model Organism” for Evaluating the Phytochemical Effects of Medicinal Plants. <i>Journal of Environment and Bio-Sciences Vol. 38 (2), December 2024: 165-169</i>

153.	Saini K., Sharma S., (2024). QSAR Studies of Sodium/Glucose Co-Transporter 2 Inhibitors as Potent Anti-Diabetic Drug Agents. <i>Theoretical Foundations of Chemical Engineering</i> . 57 (Suppl. 1), S51-S56
------	--

6. Research Projects: Organize the faculty names in alphabetical order and list each faculty member's research projects under their respective names.

1. Dr. Priyamvada Singh, Department of Chemistry has been sanctioned ₹ 28.10 Lakhs for a research project entitled "Target based screening and development of hydroxyethylamine derivatives as novel antimalarials" as Co-PI. The grant has been provided by SERB, Govt. of India and covers the duration from April 1, 2024 to March 31, 2026. Proposal ID: CRD/2022/000580
2. Bashabi Gupta, Department of Geography, has been sanctioned ₹2.75 Crores for a research project entitled "Establishment of NER Research and Resource Centre, Miranda House" as Co-PI. The grant has been provided by NEC, Shillong and covers the duration from 2022 to 2025.
3. Bashabi Gupta, Department of Geography, has been sanctioned ₹16 Lakhs for a research project entitled "Expressing the Inexpressible: Madhubani and Warli Folk Art" as Co-PI. The grant has been provided by ICSSR (Major Research Project) and covers the duration from 2025 to 2027.
4. Monika Tomar, Physics Department has been sanctioned ₹181.44743 for a research project entitled "Development of MxOy thin film layers for UV-A, B, and C sensing utilizing Surface Acoustic Waves" as PI. The grant has been provided by DRDO and covers the duration from 17 February 2025 to 16 February 2028.
5. Monika Tomar, Physics Department has been sanctioned ₹41.82 for a research project entitled "Development of hand-held packaged hydrogen gas sensor for the automobile industry" as PI. The grant has been provided by DT-TDP and covers the duration from November 2023 to November 2025.
6. Monika Tomar, Physics Department has been sanctioned ₹27.42 for a research project entitled "Bioassay Development: For the Field Diagnosis of Thrombosis" as Co-PI. The grant has been provided by DRDO and covers the duration from 21 December 2023 to 21 December 2024.
7. Monika Tomar, Physics Department has been sanctioned ₹31.4 for a research project entitled "Embedding ferroelectric hafnium-zirconium oxide (HZO) in gate stack of GaN-based junctionless transistor" as Co-PI. The grant has been provided by DST-SERB and covers the duration from March 2024 to March 2027.
8. Monika Tomar, Physics Department has been sanctioned ₹36.29 for a research project entitled "Fabrication of packaged high-frequency SAW devices of given specification" as PI. The grant has been provided by DRDO and covers the duration from November 2022 to April 2024.
9. Monika Tomar, Physics Department has been sanctioned ₹10.00 for a research project entitled "Growth of crystalline single-phase Ga₂O₃ thin film for Broadband Deep UV Photodetector" as PI. The grant has been provided by CSIR and covers the duration from October 2023 to 2025.

10. Monika Tomar, Physics Department has been sanctioned ₹32.00 for a research project entitled “Development of thermoelectric energy harvester using Indium selenide thin films” as Co-PI. The grant has been provided by DST and covers the duration from January 2023 to 2026.
11. Dr. M. Kamminthang, Sociology (Miranda House) has been sanctioned Rs 4, 21, 500 for a research project entitled “The Agro-Cultural Complex: Understanding Paddy Farming and the Old *Sakhua* Religion of the Zou Community in Manipur (Northeast India)” as PI. The grant has been provided by Indira Gandhi National Centre for the Arts (IGNCA), New Delhi and covers the duration from 2018 to 2024.
12. Dr. Monika Sharma (PI) and Prof. Sadhna Sharma (Co-PI), Department of Zoology has been sanctioned Rs. 2.39 Crores for a research project entitled “Evaluation of immunogenicity and protective efficacy of an epitope-based vaccine designed from late-stage-specific, antigenic PE/PPE proteins of *Mycobacterium tuberculosis* in human PBMC and mouse model” as PI. The grant has been provided by ICMR and covers the duration from 2024 to 2028.
13. Rekha Kumari has been sanctioned ₹ 6,00,000.00 for a research project entitled “Study of Antimicrobial potential and Spectroscopic characterization of Curcumin Derivatives in Synthesized bile salt Nano-Micellar Assemblies” as Co-PI, in IoE, DU, 2024-25.

7. **Patents Granted (organize the PATENTS under each faculty member's name)**

1. **Patents Granted:** Brijesh Rathi, **Priyamvada Singh**, Neha Sharma. "An Antiparasitic Compound". Indian Patent Application-202311028096. March 20, 2025, National.
2. **Patents Filed:** Brijesh Rathi, **Priyamvada Singh**, Sandeep kumar, Kapil Vashisth, "A biodegradable rapid Diagnostic Test Cassette". **Indian Patent Docket No 84449**, filed on May 24, 2024. National.
3. Amit Kumar, Prof. Mahipal Singh, Dr. V. K. Sachdev, Anjali Sharma, Arijit Chowdhuri, Monika Tomar. A method of fabricating a composite material for EMI shielding. Patent Application No.- 202511005230. Filed on 21-02-2025. National.
4. Jainder Pal Singh, Satyam Garg, Ajay Kumar Sao, Babita Sharma, Kajal Jindal, Reema Gupta, Mallika Verma, Anjali Sharma, Arijit Chowdhuri, Upendra Mittal, A. T. Nimal, Monika Tomar. Method of Preparing Diamond-Like Carbon (DLC) Coated Substrate. Patent Application No.- 202411069825. Filed on 16-09-2024. National.
5. Monika Tomar, Arijit Chowdhuri, Kajal Jindal, Gunjan Yadav. Development of self-powered HfO₂ thin film based low cost solar blind deep UV photodetector. Patent Application No.- 202311010975. Filed on 17-02-2023. National.
6. Pradip K. Jha, Monika Tomar, Kajal Jindal, Chanchal. Photoelectrochemical water splitting based biosensor for detecting uric acid in the biological fluids. Patent Application No.- 202311040935. Filed on 2023. National.
7. Monika Tomar, Anjali Sharma, Lokesh Rana, Reema Gupta, Shweta Sharma. Lithium Doped Potassium Sodium Niobate Thin Film Based MEMS Pressure Sensor. Patent Application No.- 202311023209. Filed on 29-09-2023. National.
8. Monika Tomar, Lokesh Rana, Reema Gupta, Anjali Sharma, Pradip K. Jha, Manisha Bharti, A. T. Nimal, Upendra Mittal. Lamb Wave Resonator Device For Pressure Sensing. Patent Application No.- 202311002112. Filed on 10-01-2023. National.
9. Monika Tomar, Lokesh Rana, Vandana, Reema Gupta, Anjali Sharma, Manisha Bharti, A. T. Nimal, Upendra Mittal, James Ajit Raymond. Integration Of Niobium Lead Zirconium Titanate (PNZT) Thin Film Lamb Wave Acoustic Device. Patent Application No.- 202311036612. Filed on 5-06-2023. National.
10. T. Nimal, Upendra Mittal, Monika Tomar, Lokesh Rana, Reema Gupta, Anjali Sharma, Shweta Sharma, Manisha Bharti. Fabrication of Lamb Wave Acoustic Device using Potassium Sodium Niobate (KNN) thin films. Patent Application No.- 202211070947. Filed on 8-12-2022. National.

8. SEMINARS ORGANIZED

- Nano Jatha Lecture Series Roadshow & Exhibition organized by Department of Chemistry, Miranda House in Collaboration with IIT Delhi on 5 July 2024.
- Training Program on “Enabling Cities for Disaster resilience to Achieve Sustainable Development” from 08-12 July, 2024 at USRC, Miranda House in collaboration with National institute of Disaster Management, National Institute of Urban Affairs and Delhi Disaster Management Authority.
- **Summer Internship Program: Flavors of Research: Investigative Research in Multidisciplinary Contexts**, DS Kothari Centre for Research and Innovation in Science Education, Miranda House, University of Delhi, 13 June- 25 July, 2024.
- **INSPIRE Internship Programme 2024**, sponsored by DST organized by Miranda House, University of Delhi, 8- 12 July, 2024.
- **WISE Orientation in IPR** sponsored by DST organized by Miranda House, University of Delhi in collaboration with Technology Information, Forecasting & Assessment Council, DST.
- **TB awareness programme on India’s 100-Day Intensified Campaign on TB elimination**”, and sponsored by ICMR on 27th January 2025.

9. Conferences Organized

1. Dr. Deepali was the Convener for the three day skill development program based on Terrarium, Hydroponics & Aeroponics, Floriculture & Landscaping held from 18-20 April 2024 at Miranda House, University of Delhi, conducted by MH- Vatika, the Garden Committee and Department of Botany under the aegis of IQAC Miranda House, in collaboration with Indian Agricultural Research Institute (IARI) Pusa, New Delhi.
2. International Conference on Chemical, Biological and Environmental Sciences 2025(IUPAC-ICCBES 2025) organized by Department of Chemistry, Miranda House on 11 and 12 February 2025. Funding from DBT (INR 3,00,000) and DRDO (INR 75,000).
3. Conference entitled, "Nano-Jatha-2024" @ Department of Chemistry, Miranda House, University of Delhi 5 July 2024 , organized in collaboration with Department of Chemistry, IIT, Delhi, and sponsored by The Centre for Nano and Soft Matter Sciences (CeNS) Bangalore, is an autonomous research institute under the Department of Science and Technology (DST), Rs. 50,000/ (July 5, 2024).
4. International Conference on "Indian Diaspora from North East and Other Parts of the Country: Comparative Journeys, Identity, and Challenges of India Connect," organized by the North East Regional Research and Resource Centre, Miranda House, University of Delhi in collaboration with Organisation for Diaspora Initiatives (ODI) India on 24-25 October, 2024
5. two-day International Conference on India's Foreign Policy under Modi 3.0: Challenges and Opportunities, organised by the Department of Political Science, University of Delhi in collaboration with the Delhi School of Transnational Affairs, University of Delhi and sponsored by Indian Council of Social Science Research on 9-10 January 2025.
6. Popular Lecture Series as co-ordinator entitled "Biotechnology: A Catalyst for Human and Environment Development" organized by Department of Zoology, Miranda House and sponsored by Department of Biotechnology (DBT), Ministry of Science & Technology, Government of India on 4th October 2024 and 22nd October 2024.
7. National Capacity Building Workshop as organizing secretary entitled "Emerging Frontiers in Biomedical Research" organized by Department of Zoology, Miranda House and sponsored by Indian National Science Academy (INSA) on 14th - 16th October, 2024.
8. 41st SRBCE Meeting and International Conference as organizing team member entitled "Reproductive Sciences and Molecular Medicine Innovations in Therapeutics and Technologies (ICRSMM-2024)" " organized by Department of Zoology, University of Delhi in collaboration with Department of Zoology, Miranda House and sponsored by DBT, DST and DSIR on 15th - 17th November, 2024.
9. International Conference as organizing Secretary entitled ""Role of Biotechnology in Biological Sciences: Striving for a Sustainable Future" organized by Department of Zoology, Miranda House, University of Delhi in collaboration with INSCR, MMDU, Jamia Hamdard, ISME, SVC, KHALSA, KMC and sponsored by DBT, ANRF (DST), CSIR on 6th - 8th February, 2025.

10. Seminars / Conferences Presentations

1. Elangbam, G. & Deepali presented a paper entitled, Phosphate solubilizing bacteria: A sustainable recovery to fight Arsenic contamination in the food chain' during an International Conference on International Conference on "Global Perspectives of Medicinal Plants: Traditional system of medicine to Nano-medicine" on 20-21st March 2025 at Ramjas College, University of Delhi, Delhi-110007, India.
2. Dr Deepali, presented a paper entitled "Microbes and Organic fertilizers can Coherently Protect our Staple Food from Arsenic Contamination in the Gangetic Basin of Bihar" during 8th International Conference Cutting-edge Research Innovation in Sustainable Education, Environment and Agriculture (CRISEA-2025), Goa University, Goa , INDIA, on 24-26 February, 2025
3. Sneha, Samad D, Bajaj M & Bahri S. 2024. Role of Omics in Agriculture. Poster presented at An International Conference cum Workshop on Making Sense of Omics: Proteomics, Transcriptomics, and Molecular Drug Design (in hybrid mode) organized by Department of Botany, Zakir Husain Delhi College, University of Delhi, 23-24 April 2024.
4. Sejal, S., Rawat, A., Bahri, S., Bajaj, M. & Sinha Roy, S. 2025. Consolation prize awarded to the poster presented on Use of *Withania somnifera* (L.) Dunal as an Insecticide in the National Conference on "Ashwagandha: A Health Promoter-From Fields to Pharmacy" organized by Gargi College, University of Delhi, sponsored by National Medicinal Plants Board (NMPB), Ministry of Ayush, Government of India, 18 October 2024.
5. Sneha, Samad, D., Bajaj, M., Bahri, S., Sinha Roy, S. 2025. Poster presentation on Comparative Genomics of *Withania somnifera* (L.) Dunal and Related Solanaceae Species in the National Conference on "Ashwagandha: A Health Promoter-From Fields to Pharmacy" organized by Gargi College, University of Delhi, sponsored by National Medicinal Plants Board (NMPB), Ministry of Ayush, Government of India, 18 October 2024.
6. Bahri, S. and Bajaj, M. 2025. *Pteris vittata* L.: A Pteridophyte with Phytoremediation Potential. In: Proceedings of International Conference on Recent Trends in Life Sciences and Biotechnology: Bridging Ancient to Recent - Uniting Animal, Plant and Microbial Diversity with Indigenous Knowledge for Developed India, 8th Annual Meeting of IAZ & 5th ICRTLSB-2K24, 12-14 December 2024.
7. Participated as an Invited Delegate and coauthored talk entitled Effect of Insecticide Profen Super on Seed Germination of *Raphanus sativus* L.in International Conference on Recent Trends in Life Sciences and Biotechnology: Bridging Ancient to Recent - Uniting Animal, Plant and Microbial Diversity with Indigenous Knowledge for Developed India, 8th Annual Meeting of IAZ & 5th ICRTLSB-2K24, 12-14 December 2024.
8. Agrawal, R., Bajaj, M., Maheshwari, A., Krishnakumar, A., Sneha, & Rana, N. 2025. Poster presentation on Assessing Herbicide induced root growth inhibition in Onion

(*Allium Cepa L.*) in the International Conference on Chemical, Biological and Environmental Sciences 2025 (ICCBES-2025), organized by Department of Chemistry, Miranda House, University of Delhi, Delhi, 11-12 February 2025 (pg. 64 in the Abstract Book of the Conference).

9. Ankur Maheshwari*, Arshita Kwatra, Haniya Saleem, Renuka Agrawal* (2025). FROM “*Coding to Curing: AI’S Advancement and Challenges*”. Pg. 63. Poster Presentation. 11-12 Feb, 2025. Presented at International Conference on Chemical, Biological and Environmental Sciences 2025 (ICCBES-2025), organized by Department of Chemistry, Miranda House, University of Delhi, Delhi.
10. Renuka Agrawal, Madhu Bajaj, Ankur Maheshwari, Arshia Krishnakumar, Sneha, Nandini Rana. (2025). “*Assessing Herbicide induced root growth inhibition in Onion (Allium Cepa L.)*”. pg. 64. Poster Presentation. 11-12 Feb, 2025. Presented at International Conference on Chemical, Biological and Environmental Sciences 2025 (ICCBES-2025), organized by Department of Chemistry, Miranda House, University of Delhi, Delhi.
11. Sneha, Arshia Krishnakumar, Nandini, Nitin Agrawal, Ankur Maheshwari*, Renuka Agrawal*. (2025). “*Precision Farming 2.0: Integrating AI and Biotechnology for A Greener Future*”. Poster Presentation (P-61), 6-8 Feb, 2025. Presented at International Conference on Biotechnology “Role of Biotechnology in Biological Sciences: Striving for a Sustainable Future”, at Miranda House, University of Delhi, Delhi.
12. Bahri, S. & Beri, V. 2025. Poster presentation on Medicinal Plants for the treatment of Parkinson’s disease in the 1st International Conference on Global Perspectives of Medicinal Plants: Traditional system of medicine to Nanomedicine, ICGPMP-2025 organized by Department of Botany, Ramjas College, University of Delhi, Delhi, 20-21 March 2025.
13. Won first prize in the video making and presentation competition in the National Conference on Urban Waste Management and Sustainable Solutions organized by Environmental Pollution Laboratory (EPL) University of Delhi and Department of Botany, University of Delhi in collaboration with Delhi University Botanical Society and Indian Phycological Society, Delhi, India, 03-04 March 2025.
14. Won first prize for oral presentation on Composting: A Sustainable Waste Management Solution in the International Conference on Chemical, Biological and Environmental Science 2025 (ICCBES-IUPAC 2025) organized by the Department of Chemistry, Miranda House, University of Delhi, 11-12 February 2025.
15. Priya, S., Kumari, K. and Bahri, S. 2025. Poster presentation on Unlocking synergy: The key to innovation and growth, at the International Conference Role of Biotechnology in Biological Sciences: Striving for a Sustainable Future (RBBS-2025) organized by the Department of Zoology, Miranda House, 06-08 February 2025.
16. Sejal, S., Rawat, A., Bahri, S., Jit, S., Sengupta, S., and Sonkar, S.M. Poster presentation on Antimicrobial resistance: Magic Bullets Need Taming at the International Conference Role of Biotechnology in Biological Sciences: Striving for a Sustainable Future (RBBS-2025) organized by the Department of Zoology, Miranda House, 06-08 February 2025.

17. Rawat, A., Sejal, S., Bahri, S., Jit, S., Sengupta, S., and Sonkar, S.M. Poster presentation on Environmental Science and Biotechnology: Tackling Climate Change at the International Conference Role of Biotechnology in Biological Sciences: Striving for a Sustainable Future (RBBS-2025) organized by the Department of Zoology, Miranda House, 06-08 February 2025.
18. Kumari, K., Priya, S. and Bahri, S. 2025. Poster presentation on Synthetic Biology: Engineering life for a Sustainable Future at the International Conference Role of Biotechnology in Biological Sciences: Striving for a Sustainable Future (RBBS-2025) organized by the Department of Zoology, Miranda House, 06-08 February 2025.
19. Sejal, S., Rawat, A., Bahri, S., Bajaj, M. and Sinha Roy, S. 2025. Consolation prize awarded to the poster on Use of *Withania somnifera* (L.) Dunal as an Insecticide in the National Conference on Ashwagandha: A Health Promoter-From Fields to Pharmacy organized by Gargi College, University of Delhi, sponsored by National Medicinal Plants Board (NMPB), Ministry of Ayush, Government of India, 18 October 2024.
20. Sneha, Samad, D., Bajaj, M., Bahri, S. and Sinha Roy, S. 2025. Poster presentation on Comparative Genomics of *Withania somnifera* (L.) Dunal and Related Solanaceae Species in the National Conference on Ashwagandha: A Health Promoter-From Fields to Pharmacy organized by Gargi College, University of Delhi, sponsored by National Medicinal Plants Board (NMPB), Ministry of Ayush, Government of India, 18 October 2024.
21. Sejal, S., Rawat, A., Jit, S., Bahri, S., Sengupta, S. and Sonkar, S. 2024. Poster presentation on Analysis of compost generated in campus at 1st International Interdisciplinary Science Congress-Young Scholar's Meet (HSC-2024) organized by Centre for Interdisciplinary Research in Basic Sciences, Jamia Millia Islamia, New Delhi, India 09 October 2024.
22. Bahri, S. and Bajaj, M. 2025. *Pteris vittata* L.: A Pteridophyte with Phytoremediation Potential. In: Proceedings of International Conference on Recent Trends in Life Sciences and Biotechnology: Bridging Ancient to Recent - Uniting Animal, Plant and Microbial Diversity with Indigenous Knowledge for Developed India, 8th Annual Meeting of IAZ & 5th ICRTLSB-2K24, 12-14 December 2024.
23. Participated as an Invited Delegate and delivered talk entitled Effect of Insecticide Profen Super on Seed Germination of *Raphanus sativus* L. in the International Conference on Recent Trends in Life Sciences and Biotechnology: Bridging Ancient to Recent - Uniting Animal, Plant and Microbial Diversity with Indigenous Knowledge for Developed India, 8th Annual Meeting of IAZ & 5th ICRTLSB-2K24, 12-14 December 2024.
24. Jit, S., Bahri, S., Sengupta, S. and Sonkar, S.M. 2024. Oral presentation on Characterization and analysis of compost generated in campus at Two-day International Conference Contemporary Perspectives on Strategies for Conservation of Biodiversity and Realizing Sustainable Development Goals – 2024 organized by Department of Botany & Horticulture, PRGC (A) in collaboration with Department of Botany, GDC, Ramachandrapuram, AP, 04-05 July 2024.
25. Sneha, Samad, D., Bajaj, M. and Bahri, S. 2024. Poster presentation on Role of Omics in Agriculture in the International Conference cum Workshop on Making Sense of

Omics: Proteomics, Transcriptomics, and Molecular Drug Design (in hybrid mode) organized by Department of Botany, Zakir Husain Delhi College, University of Delhi, 23-24 April 2024.

26. Jit, S., Bahri, S., Sengupta, S. and Sonkar, S.M. 2024. Oral presentation on Mitigation of solid waste generated in campus by compost in 8th International Conference of Indian Network for Soil Contamination Research (INSCR-2024) on Exploring the Microbial World from Human Health to Environmental Sustainability' and 4th International Symposium on Ciliate Biology (ISCB-2024), organised by INSCR and Acharya Narendra Dev College, University of Delhi at Conference Centre, University of Delhi, Delhi, India, 03-05 April 2024.
27. Bahri S. and Beri, V. (2025). Attended and Presented the Poster entitled "Medicinal Plants for the treatment of Parkinson's disease" in two days International Conference on *Medicinal Plants* organized by Department of Botany, Ramjas College, University of Delhi, Delhi, India, March 20-21.
28. Beri, V. And Kumar, D. (2025). Attended and Participated in Video making Competition on Phytoremediation of Yamuna river water in National Conference on "Urban Waste Management and Sustainable Solutions" organized by Environmental Pollution Laboratory (EPL), Department of Environmental Studies, University of Delhi, India and Department of Botany, University of Delhi in collaboration with Delhi University Botanical Society (DUBS) and Indian Phycological Society, Delhi, India under aegis of Spreading Awareness on Emerging Challenges of Air Pollution and Climate change on Human Health in Urban Ecosystem on 3-4 March.
29. Beri, V. (2025). Attended and gave Oral presentation on "Plants as Natural Reservoirs of Acetylcholinesterase Inhibitors: Potential Antidotes for Organophosphate Poisoning" in two days *International Conference on Chemical, Biological and Environmental Sciences (ICCBES, 2025) In Conjunction with IUPAC Global Women's Breakfast* organized by Department of Chemistry, Miranda House, University of Delhi, Delhi, India, February 11-12.
30. Beri, V. (2025). Presented the Poster entitled "Tackling Climate Change Through Sustainable Grey water Management" in three days International Conference on *Role of Biotechnology in Biological Sciences: Striving for Sustainable Future* organized by Department of Zoology, Miranda House, University of Delhi, Delhi, India, February 5-7.
31. Beri, V. (2024). Attended two days virtual International Conference on "*Bioinformatics in Biology: From Pre-requisite to Post-requisite*" organized by Department of Botany, Gargi College, University of Delhi and funded by Department of Biotechnology, Government of India, March 2-3. Dr. Nutan Rani gave oral presentation entitled "Green synthesis, characterization of ZnO nanoparticles and anticancer study on human lung cancer cell lines" in One day National Conference on "Indian Knowledge System: Tradition to Modern Nanotechnology" jointly organized by Special centre for Nano Science, JNU, School of Biotechnology, JNU and Department of Chemistry, Gurukula Kangri deemed University conducted on 13 December 2024.
32. Oral Presentation entitled "Investigation of Antidiabetic potential of biosynthesized ZnO nanoparticles" in 3rd International conference on Advanced Functional Materials

& Devices for sustainable development (AFMD-2025) organised by Department of Physics under the aegis of IQAC, ARSD College, University of Delhi, India during March 3-5, 2025 in hybrid mode.

33. Oral Presentation entitled “ Biomedical application of various Carbon based sensors” in the International Conference on “Advances in Nanomaterials and Nanotechnology” (ICANN – 2025) Organized by Department of Physics, Rajdhani College, University of Delhi, New Delhi Sponsored by DRDO, Delhi from 05 to 06 March 2025. Dr. Tarun Kumar Gupta for presented a paper titled “A Computational Intelligence inspired Framework for Intrusion Detection in WSN” at the 2024 International Conference on Decision Aid Sciences and Applications (DASA), held on December 11–12, 2024, at the Applied Science University in the Kingdom of Bahrain.
34. Dr. Tarun Kumar Gupta for presented a paper titled “An Efficient and Secure Framework for Smart Healthcare Using IoT and Machine Learning” at the 2024 International Conference on Decision Aid Sciences and Applications (DASA), held on December 11–12, 2024, at the Applied Science University in the Kingdom of Bahrain.
35. M. Kumar presented a paper entitled, ‘Literally Different? Compulsory Education in Baroda, 1881 – 1931’ at the 19th Annual Conference on Economic Growth and Development, (International Conference), Indian Statistical Institute, New Delhi, 19-21 December 2024
36. *Differentiation in Tenancy Contracts: An Analysis of Land, Labour, and Caste Relations in Punjab (India)*, with Amanpreet Kaur, at IIPPE conference, Istanbul Bilgi University - Santral Campus, Istanbul, Türkiye.
37. *Changing Labour Relations: A Case Study of Gang Canal Region, Rajasthan (India)*, with Amanpreet Kaur at DSA Annual Conference, June 26-28, 2024, SOAS, London (presented online).
38. A.R. Sitalakshmi presented a paper titled ‘Inter and Intra molecular forces - Integrating student generated representations and relative strength of forces to elicit and support understanding’ during an International Conference on ‘Current Advances in Chemical Science Research and Education’, CACSRE organized at University of Mizoram, Aizwal from November 06-08, 2024.
39. A.T. Malhotra presented a paper entitled, ‘Towards a Reflective Mathematics Pedagogy: Revisiting and Reimagining Discourse in a Mathematics Classroom’ during an International Education Conference on Foregrounding Teacher Education in the Light of Policy Perspectives Organized by Department of Educational Studies, Jamia Millia Islamia, New Delhi from February 12-13, 2025
40. A.T. Malhotra presented a paper entitled, ‘Developing Reflective Pre-Service Mathematics Teacher- The Knowledge Quartet in Action’ during National Seminar sponsored by ICSSR on Paradigm Shift in Education: Viksit Bharat@2047 organized by A.G. Teachers College, Ahmedabad, Gujarat, on 26th September 2024
41. Presented paper ‘NEP 2020: Social Issues in Teacher Education’ in National Seminar titled ‘Paradigm Shift in Education: Viksit Bharat 2047’ organised by AG Teachers’ College, Ahmedabad, Gujarat, Sept 26, 2024
42. Rajeshwari S presented a paper entitled, ‘Mental Health Issues of Students with Sensory

- Disability at school level ' during an International Conference on Learning (ICL 2024), Exploring the Indian Knowledge System: Tradition, Modernity and Future Prospects. organized By Lady Irwin College , University of Delhi from Month Nov. 8-9, 2024/.
43. Abhabya Ratnam presented a paper entitled, 'Intersection of Gender and Caste in Chitra Divakaruni's The Forest of Enchantments' during an International Conference on 'Crossroads of Culture: English Studies and Indic Knowledge Systems' organized from December 9-11, 2024.
 44. B. Gupta presented a paper entitled, "*Land Use Land Cover Changes and Their Impact on Land Surface Temperature in Guwahati: A Geospatial Analysis*" during an International Conference on "Urban Development Missions: Restructuring of Spaces and Emergence of New Urbanism," organized by the Department of Geography, Shaheed Bhagat Singh College, University of Delhi, on November 15–16, 2024.
 45. B. Gupta presented a paper entitled, "*Monitoring Land Use and Land Cover Changes in Manas National Park, Assam: A Geospatial Approach*" during a Two-day International Conference on "Geospatial Innovations for Biodiversity Conservation, Climate Resilience, and Sustainable Development Across Multi-Domain Ecosystems," organized by the Department of Geography, Kalindi College, University of Delhi, in association with the Centre for Himalayan Studies, University of Delhi, on April 8–9, 2025.
 46. Priyanka Puri presented paper 'From COP- 8 To 28 - A Bibliometric Perspective', in International Seminar on 'Envisaging Bharat as Voice of Global South: Revisiting COP28 (प्रकृति: रक्षति रक्षितः)' Dept. of Geography, I.P. College, University of Delhi, 27th Aug.'24
 47. Shipra Singh Presented Paper on "Heat action plan through the Interrelationship of Geo-Spatial Indicators in the Realm of Urban planning and Governance: A Case of Gurugram, India" in an International Seminar on "Envisaging Bharat as Voice of Global South: Revisiting COP28 (प्रकृति: रक्षति रक्षितः)" organized by Department of Geography, Indraprastha College for Women in collaboration with ICSSR, from 27th - 28th August 2024.
 48. Dr. Madhu presented a paper entitled, 'Dalit Stri Sangharsh Mein Dr. Ambedkar ka Yogdan' during an International Conference on 'Ambedkar's Perspective on Dynamics of Indian Economy : A Way towards Viksit Bharat @2047' organized by Ambedkar Study circle, Shyamlal College, University Of Delhi, 15/04/2024-16/04/2024.
 49. Madhu delivered Invited Lecture entitled 'Not Just a Housewife: Domesticity and Labour in Nineteenth Century United States' at Department of History, Kalindi College, University of Delhi, March 14, 2024.
 50. Rashi Raman presented a paper entitled, 'The Colonial Quest for Place Making in Purnia: Ecological Constraints and the Consequences of Colonial Intervention (1765-1850)' during a National Conference on 'Interdisciplinary Approaches to South Asian Ecology' organized by School of Humanities and Social Sciences, IIT Mandi in collaboration with the Indian Council of Social Science Research (ICSSR) from 23rd – 25th October, 2024.

51. Rashi Raman presented a paper entitled, 'Colonialism, Women, And Environmental Degradation in the late 19th and Early 20th C. Bihar' during a National Conference on 'From Campus to Community: Women Leading Campaigns within and beyond Academia' organized by Satyawati College (Evening) in collaboration with the Indian Council of Social Science Research (ICSSR) on 27th March, 2025.
52. *Snigdha Singh presented a paper 'Unveiling Gendered Spaces in Early Historical Mathura' at Shiv Nadar University, Delhi, 20th February, 2025.*
53. *Snigdha Singh presented a paper 'Integrating Gender Perspectives: Teaching History Through Hidden Voices and Pedagogical Tools' at Department of History, Janki Devi Memorial College, University of Delhi, Delhi, on 4th February 2025.*
54. *Snigdha Singh presented a paper 'Gender in Early History: Emotions, Traits, and Roles', Epoch Envoys, Delhi, 31st January, 2025.*
55. *Snigdha Singh presented a paper 'Women in the Shadows: Support Systems Behind Male Leaders', TMYS Review, Delhi, 26th January, 2025.*
56. *Snigdha Singh presented a paper 'Hidden in History: The Intellectual Heritage of Ancient India' for MMTTC-IGNOU, New-Delhi, 26 Nov, 2024.*
57. *Snigdha Singh presented a paper 'Teachers, Thinkers, and Innovators: Science and Education in Ancient India' for Malaviya Mission Teacher Training Programme (MMTTP), Ministry of Education, Government of India, New-Delhi, 23 October, 2024.*
58. Sushmita Banerjee presented paper titled 'Textures of Narration: Women Sufis in Sufi Tazkirats of Early Modern South Asia' in Indian History Congress, Patiala, 28-30 November 2024.
59. Sushmita Banerjee presented paper titled 'Genealogy, Memory and Didactics: Studying Historical Imagination in Early Modern South Asia' in 18th ACAS International Conference, 23-24 November 2024. (Presented online)
60. Sushmita Banerjee presented paper entitled 'Gandhian Values, Nationalism and the Making of Mahatma' at Gandhian Week, Gandhi Study Circle lecture, Miranda House, University of Delhi.
61. Vijay Kumar presented a research paper, 'Caste and its Vernacular Lawmakers in the early 20th Century Hindi Public Sphere,' at the British Association for South Asian Studies (BASAS) Annual Conference 2024 held at the King's India Institute and King's College London on 10 Sep 2024 (Online).
62. Mohd Sarik Idrisi presented a paper entitled, 'A New Encryption Scheme Resistant to Quantum Computer-based Attacks' during an International Conference on 'Recent Trends in Mathematics' organized by Hansraj College from February 7-8, 2025.
63. Apeksha presented a paper entitled, 'Neumann Problem for a smooth bounded domain in the Heisenberg Group' during an 'International Conference on Mathematical Sciences and its Applications (ICMSA 2024)' organized by Department of Mathematics, Sri Guru Tegh Bahadur Khalsa College, University of Delhi, Delhi-110007 from October 15-17, 2024.
64. S. Mavi presented a paper entitled, 'MacLane-Vaquin's chains and complete sequences of abstract key polynomials' during an International Conference on '2nd international

Conference on Evolution in Pure & Applied Mathematics (ICEPAM-2024)' organized from November 20-22, 2024.

65. Bhawna Bansal Gupta presented a paper entitled ' λ -Slant Hankel operators of multivariate order' in international conference on Mathematical Sciences and its Applications (ICMSA 2024), during 15-17 October, 2024, organised by Department of Mathematics, Sri Guru Tegh Bahadur Khalsa College, University of Delhi.
66. R.Kannojiya presented a paper entitled, 'Teaching Indian Religions in Philosophy' during workshop on 'Curriculum, Pedagogy and Quality Assurance in Philosophy', Department of Philosophy, DU organized on 23 Feb. 2024.
67. Kapoor, T. has been a speaker in a panel in the conference on Decolonising Feminism: Perspectives from India and the Global South organised by University of Chicago Center in Delhi in collaboration with Miranda House Policy Centre and Gender Lab and North East Regional Research and Resource Centre and Department of Political Science, University of Delhi held from February 24-25, 2025 at the University of Chicago Centre, Delhi
68. Dr. Bilasini Devi Naorem Presented a paper entitled, 'Green-Synthesized Molybdenum Oxide-Based Biosensor for Uric Acid Detection' at the International Conference on Emerging Technologies: Micro to Nano (ETMN-2024) held at Jamia Milia University, New Delhi on 22-23 November, 2024.
69. Dr. Bilasini Devi Naorem Presented a paper entitled, 'Sustainable Uric Acid Detection Using Green-Synthesized MoO_3 Thin Films at the International Conference on Advanced Functional Materials and Devices (AFMD-2025) held at Atma Ram Sanatan Dharma College, University of Delhi, New Delhi on 3-5 March, 2025.
70. Vineeta Presented ORAL TALK entitled 'Enhanced optical emission in chemically exfoliated two-dimensional MoS_2 through mechanical grinding' in International Conference on 'Advanced Functional Materials and Devices' (AFMD 2025) organised by Department of Physics, ARSD College, university of Delhi, during March 03-05, 2025 in hybrid mode.
71. Z. Banoo presented a poster entitled, "Scaling properties of charged particles generated in Xe - Xe collision at $\sqrt{s_{NN}} = 5.44$ TeV with ALICE" in the XXVI DAE BRNS High Energy Physics Symposium held from 19th to 23rd December, 2024 at Banaras Hindu University, Varanas, India.
72. Rashmi Gopi presented at the British International Studies Association (BISA 2024) conference in Birmingham, UK, on 6 June 2024.
73. Rashmi Gopi Presented on Hegemonic Masculinity and Political Parties: Analysing Gender Politics in Contemporary Kerala Since 1996 at three-day International Conference on Reflections on the Past, looking to the Future: Fifty Years of Towards Equality Report by CWDS, 3 March 2025.
74. Rashmi Gopi, presented on India's Foreign Policy in South Asia Since 2014 at the two-day International Conference on India's Foreign Policy under Modi 3.0: Challenges and Opportunities at the University of Delhi, 9 January 2025.
75. Rashmi Gopi, Presented on Public Policy and the University Space at the 5th India Public Policy Network Conference, IIT Powai, 6 December 2024.

76. Dr. Rekha Arora presented a paper entitled, 'Swapnvasavdattam mein naari ki samajik sthiti' during International Sanskrit Vidushi Sammelan at Lal Bahadur Shastri Sanskrit University organized by Sanskrit Sanskriti Vikas Sansthan, Delhi Chapter and Deptt. of Sanskrit, South Delhi Campus on 25th September, 2024.
77. Dr. Rekha Arora presented a paper entitled, 'Yuva Peedhi mein Sanskar Aadhaan mein naari ki bhoomika' in 3 days International seminar held at Satyawati College on 17th November, 2024.
78. Dr. Rekha Arora presented a paper entitled, 'Aadhunik kaal ki Vidushi Pushpa Gupta' in a two day seminar organised by Global Sanskrit Forum, Bharati College and Mata Sundari College on 20th March, 2025.
79. Madhubala Singh Presented a Paper , Vaidik Sanskrit Sanrakshen Rastranirmaane narinaam bhumika On International Sanskrit Vidhushi Sammelan at 15th 16th 17th November 2024.
80. R. Bhatia presented a paper entitled, 'Democracy and Women: Challenging the Rhetoric' organized from 21 September 2024 at the 19th Refresher Course in Women Studies through virtual mode being organized by the UGC-Malaviya Mission Teacher Training Centre, BHU.
81. Shivani Rajput presented a working paper on 'Ethics, Epics and Everyday life: Reflections on Irawati Karve's work at the International Conference, 'Bridging Horizons: Comparative Perspectives in Socio-Political Theory and Philosophy' Organised by the department of Political Science and CGRASS, Miranda House, on 7th to 9th April, 2025.
82. Sumedha Priyadarshini presented a paper entitled, 'The Politics of Risks: A case study of Sanitation System of Gurugram' during a National Conference on 'Sociology, Development and Democracy' organized at BML Munjal University, Gurugram during the 49th All India Sociological Conference of Indian Sociological Society organized from December 22-24, 2024.
83. Sumedha Priyadarshini was invited as a speaker to speak on Gender and the Right to the City during an International Conference on "Decolonizing Feminism: Perspectives from India and the Global South" organized at the University of Chicago Centre, Delhi from February 24-25, 2025.
84. Deepak presented paper orally entitled "Nanopolymeric micelles formulations of Embilica officinalis (Amla) and its antimicrobial evaluation" at the 8th International Conference of Indian Network for Soil Contamination Research (INSCR-2024) on 'Exploring the Microbial World from Human Health to Environmental Sustainability' and 4th International Symposium on Ciliate Biology (ISCB-2024), organised by INSCR and Acharya Narendra Dev College, University of Delhi (UoD) from April 03-05, 2024 at Conference Centre, UoD, Delhi, India.

85. Deepak presented poster entitled “Fabrication of Polymeric Nanoparticle Formulations of Triphala “Nanotriphal” – as an efficient antimicrobial agent” at the 8th International Conference of Indian Network for Soil Contamination Research (INSCR-2024) on ‘Exploring the Microbial World from Human Health to Environmental Sustainability’ and 4th International Symposium on Ciliate Biology (ISCB-2024), organised by INSCR and Acharya Narendra Dev College, University of Delhi (UoD) from April 03-05, 2024 at Conference Centre, UoD, Delhi, India.
86. M. Sharma presented a paper entitled, ‘PE/PPE family proteins of Mycoellorabacterium tuberculosis host mitochondria and modulate host cell death pathways as molecular mimics of host proteins’ during an International Conference on ‘INTERNATIONAL CONFERENCE Role of Biotechnology in Biological Sciences: Striving for a Sustainable Future from February 6 -8 2025.
87. R. Basak presented a poster entitled “Youth - Perspective on Cervical Cancer : Awareness and Vaccination among Delhi University students” during an International Conference on "Reproductive Sciences and Molecular Medicine: Innovations in Therapeutics and Technologies" (ICRSMM-2024) organized from November 15-17, 2024
88. R. Basak presented a poster entitled “Cervical Cancer Awareness and Vaccination Status Among Delhi University Undergraduates: Implications for Policy Reforms” on National Science Day (NSD-2025) under the theme of "Empowering Indian Youth for Global Leadership in Science and Innovation for Viksit Bharat" on February 28, 2025
89. Presented interactive lecture entitled “Gut Microbiome and Human Health: Fine Balance is The Key” at FDP "Science and Technology for Sustainable Future" for training the recruited faculty members, organized by Department of Zoology (CUJ) in collaboration with UGC-Malaviya Mission Teacher Training Centres (MMTTCs) from December 09-14, 2024 at Central University of Jammu (J & K), India.
90. Resource person, in the workshop on "Computational Biology and Functional Genomics; Tools and Applications" for the session “Soil metagenomic DNA isolation” organised by PhiXGen in collaboration with Acharya Narendra Dev College, University of Delhi (UoD) and INSCR from March 21-22, 2025 at ANDC, DU, Delhi, India.
91. S. Zulfiquar delivered a contributory talk on, ‘Application of Herbal Dyes in Hand made paper making: An Ecofriendly Approach’ during an International Conference on Connecting “Ancient Indian Wisdom in Modern Context” ‘organized from June 11-12, 2024.
92. Prof. Pratibha Sharma presented a paper titled 'Myths, Imagination and Truth: A Philosophical Reflection ' during an ICPR Seminar on 'Myths, Mysteries, Signs and Symbols: A Critical Discourse's organized from September 14-16, 2024 at ICPR Academic Centre, Lucknow.
93. Prof. Pratibha Sharma presented a paper titled 'Centrality of Skepticism in Epistemological Inquiry: An Analysis of Ancient Skepticism ' online for Global Forum for Young Philosophers, organized by Sri Shankaracharya Sanskrit University, Kocchi on November 23, 2024.

94. Prof. Pratibha Sharma presented a Buddha Jayanti Endowment Lecture titled: 'An Understanding of the Three Forms of the Buddha in the Context of Buddha Jayanti' in the 98 & 99 Joint Session of IPC at Annamalai University, Tamil Nadu during December 18-21, 2025.

11. National/International MoUs Signed

MoU entails Exchange programme, short -term modules, summer workshops, collaborative research and global networks.

- An MoU was signed with HERS-SA, Cape Town, South Africa, on May 28, 2024. Prof. Hena Singh, from the Department of Political Science, served as the coordinator.
- An MoU was signed with RIKI Institute, New Delhi, on June 19, 2024. Prof. Monika Vij, from the Department of Geography, served as the coordinator.
- An MoU was signed with ASEAN Youth Organization, India Chapter, on June 19, 2024. Prof. Hena Singh, from the Department of Political Science, served as the coordinator.
- An MoU was signed with CGLS Foundation (STEP), New Delhi, on August 30, 2024. Prof. Bashabi Gupta, from the Department of Geography, served as the coordinator.
- An MoU was signed with Manipur University, Imphal, on August 9, 2024. Prof. Monika Tomar, from the Department of Physics, served as the coordinator.
- An MoU was signed with University of Hyderabad, Telangana, on September 23, 2024. Prof. Hena Singh, from the Department of Political Science and Prof. Bashabi Gupta from the Department of Geography, served as the coordinator.
- An MoU was signed with Eat Kind (Startup under Miranda House). Dr. Sonali Chitalkar, from the Department of Political Science, served as the coordinator.
- An MoU was signed with Second Act LLP, on September, 2024. Prof. Hena Singh, from the Department of Political Science and Prof. Bashabi Gupta from the Department of Geography, served as the coordinator.
- An MoU was signed with University of Cyberjaya, on September 3, 2024. Dr. Priyamvada Singh, from the Department of Chemistry, served as the coordinator.
- An MoU was signed with Bharat Soka Gakai, on October 22, 2024. Dr. Mamta Sethi, from the Department of Chemistry, served as the coordinator.
- An MoU was signed with Centre for Himalayan Studies, University of Delhi, on September 17, 2024.
- An MoU was signed with Central Sanskrit University, Delhi, on November 4, 2024. Dr. Madhu Bala Singh, from the Department of Sanskrit, served as the coordinator.
- An MoU was signed with DAV College, Punjab University, Chandigarh, on November 20, 2024.
- An MoU was signed with NRAI School of Mass Communication, on December 18, 2024. Prof. Hena Singh, from the Department of Political Science, served as the coordinator.
- An MoU was signed with National Mission for Manuscripts, Indira Gandhi National Centre for the Arts, on April 4, 2024. Dr. Chandan Kumar Mishra, from the Department of Sanskrit, served as the coordinator.
- An MoU was signed with UNHU Technologies Pvt. Ltd., on January 23, 2025. Prof. Namrata Singh, from the Department of Political Science, served as the coordinator.

- An MoU was signed with Attaware. Prof. Rakhi Parijat, from the Department of Geography, served as the coordinator.
- An MoU was signed with University Islam Riau, Indonesia, on March 21, 2025.

12. Other Collaborations (Maximum Five):

- Collaboration with Kirori Mal College, University of Delhi from May 15, 2024 for research projects.
- Collaboration with Centre for Himalayan Studies, University of Delhi, on September 17, 2024 for joint research initiatives.

13. STUDENTS UNDER EXCHANGE PROGRAM (INBOUND/OUTBOUND)

Student under Exchange Program(Inbound)

- The Policy Centre Gender Lab (PCGL), Miranda House, in collaboration with the University of Wisconsin–Eau Claire, USA, hosted a four-day International Immersion Programme from January 7 to 10, 2025, under the theme “SANSKRITI: The Living Tapestry of India.” Ten students from University of Wisconsin participated in this programme. The programme aimed to showcase India’s vibrant cultural and historical heritage through engaging activities and thematic sessions around history, science and technology, cuisine, and traditions. Highlights included speaker sessions on gender, tradition, and Indian innovations, interactive workshops on folk art, pottery, and saree draping, cultural performances, and discussions on social issues such as reproductive rights. The event fostered cross-cultural exchange, learning, and meaningful dialogue, culminating in a felicitation and reflection session celebrating the participants' journey.

Student under Exchange Program(Outbound)

- **As a part of the ongoing academic collaboration with** Utrecht Business School in Utrecht, the Netherlands, six undergraduate students from Miranda House, University of Delhi, participated in a four day exchange programme from January 20 to January 24, 2025. The students engaged in the Indo-Dutch Collaborative Program International Program – Global Management Game at Utrecht Business School in Utrecht, the Netherlands.

14. Number and percentage of students placed - 252 (100%)

15. Number of Companies visited for campus recruitment - 110

16. sExtension and Outreach Activities

Miranda House fosters innovation, inclusion, and sustainable development through several pioneering centres and initiatives. The North East Regional Research and Resource Centre (NERRRC), funded by the North Eastern Council, empowers

students—especially from the North East—via research, skill development, and entrepreneurial projects like Project Bloom and Utkrisht Miranda. It hosts cultural and academic events such as UnPollute 2024 and *Her Story*, promoting women's voices and regional heritage. The Urban Studies and Research Centre (USRC) aligns with SDG 11, addressing urban challenges through research and collaborations with NIUA, MoHUA, WRI, and more. The Centre for Environmental Studies and Disaster Management (CESDM) promotes sustainability and disaster resilience via training programmes, internships, and publications like *The CESDM Chronicle*. The Unnat Bharat Abhiyan (UBA) Cell connects with partner villages through health camps, awareness drives, self-defense workshops, and events like Global Roti Day, fostering social change. The National Service Scheme (NSS) unit drives civic engagement through blood donation camps, cleanliness drives, educational support, and participation in national integration camps and youth festivals. The Department of Physical Education and Sports promotes well-being and excellence through professional coaching in various sports, fitness facilities, yoga and aerobics sessions, and events like the Annual Sports Festival 'Erobern'. These initiatives reflect Miranda House's commitment to holistic education, empowerment, and nation-building.

17. Library Development

The Miranda House Library is a vital academic hub, supporting the intellectual growth of students and faculty with over 107,861 books and 64 journals. In 2024–25, it added 795 new titles aligned with emerging disciplines. As part of the Delhi University Library System, it offers seamless access to e-books, e-journals, and databases, along with Turnitin for plagiarism checks. The Air-conditioned Digital Resource Centre (DRC) with 30 systems supports digital learning. The Amba Dalmia Digital Resource Centre (ADDRC), now with 25 assistive technology-enabled computers, ensures inclusive access for visually impaired users through screen readers, headsets, a U-Reader device, printer, and centralized management via V Matrix Server. A KIBO device enhances accessibility further. Open from 8:00 AM to 7:30 PM, the library provides a collaborative and quiet environment, including a dedicated faculty section. More than a repository, it is a dynamic, inclusive space fostering innovation, accessibility, and academic excellence.

18. Faculty Strength

- **Senior Professor/Professor/Director.** Professor 31
 - **Associate Professor.** Associate Professor 58
 - **Assistant Professor.** Assistant Professor 93
 - **Ad-hoc.** Ad hoc 7

Guest. Guest 70

19. Financial Allocation and Utilization

- (a) Grant Sanctioned in Rs. **8657.00**
- (b) Utilized in **Rs. 9109.73**