

Miranda House, University of Delhi

ANNUAL REPORT 2023-24

- **Name of the College**

Miranda House

- **Major Activities and Achievements**

Consecutively Ranked as seventh time the number one among colleges by the NIRF of 2023. MH has achieved second position in sciences and third in Humanities and Social Sciences in India Today rankings, awarded Best Education Brand by The Economic Times in 2023 and has won DU's Centenary Prize for sustainable practices. MH celebrated its Platinum Jubilee year with luminaries delivering the Platinum Jubilee lecture series - Vice President of India Shri Jagdeep Dhankhar, Minister, MEA, Dr. S. Jaishankar, Minister WCD and Minority Affairs, Smt. Smriti Z Irani and Vice Chancellor, University of Delhi, Prof Yogesh Singh. MH felicitated 75 illustrious alumnae- PadmaShree, Kiran Nadar and Ila Singh, Deputy CGA. Urban Studies and Research Centre was set up for creating inclusive, sustainable and resilient cities, inaugurated by the MoHUA, Shri Hardeep Singh Puri. Celebrating India's G20 presidency, MH and DU collaborated to organise Cultural Council programme, under India-EU aegis on "Advancing Sustainable Development: Building a Resilient Future Focusing on India-EU Collaboration". An interactive Session with Prof. Morten P. Meldal, Nobel laureate in Chemistry 2022 and Dr. Phaedria Marie St. Hilarie, Life Science Business Leader emphasized sustainability practices and promoting more women scientists in STEM.

- **Honours/Distinctions**

1. Dr. Priyamvada Singh received SERB International Research Experience (SIRE) Fellow, SERB, DST, Government of India, 2023.
2. Ms. Madhu received travel and Accommodation Grant by the Centre for Portuguese Studies and Culture, University of Massachusetts Dartmouth. (2024)
3. Ms. Madhu received travel and Accommodation Grant from Centre for the Studies of Global Development and David F. Musto Centre for Drug Policy Studies at Shanghai University, China. (2023)
4. Professor Monika Tomar recognized amongst the top 2% scientists of the world in the ranking released by Stanford, 2023.
5. Professor Sadhna Sharma received Reviewer Recognition For Elsevier Journals April 2023- March 2024.

- **Publications**

(a.) Research Articles

Scopus

SN.	Title	Author List	Year	Issue	Volume	Page nos.	Digital Object Identifier (DOI)	Publisher
1		Author List	Year	Issue	Volume	Page nos.	Digital Object Identifier (DOI)	Publisher
2	Phenotypic screening reveals a highly selective phthalimide-based compound with antileishmanial activity- PLoS Neglected Tropical Diseases	Zahedifard, Farnaz; Bansal, Meenakshi; Sharma, Neha; Kumar, Sumit; Shen, Siqi; Priyamvada Singh; Rathi, Brijesh; Zoltner, Martin	2024		18(3)	e0012050	10.1371/journal.pntd.0012050	Public Library of Science
3	Structural features of carbon dots and their agricultural potentials.	Monika Chaudhary, Priyamvada Singh*, Gajendra Pratap Singh, Brijesh Rathi*	2024		9(4)	4166--4185	10.1021/acsomega.3c04638	American Chemical Society
4	signaling and molecular pathways implied in oral cancer development: A concise review	Monika Kumari, Bhupendra Singh Chhikara, Priyamvada Singh, Brijesh Rathi, Geeta Singh	2024		11	652--652		Chemical Biology Letters

SN.	Title	Author List	Year	Issue	Volume	Page nos.	Digital Object Identifier (DOI)	Publisher
5	Metal-Catalysed Synthesis of Benzofused Five-Membered N/O/S-Heterocycles, a Progressive Area in Synthetic Organic Chemistry	Kumar, Manoj and Verma, Shalini and Sharma, Mukul and Poonam and Rathi, Brijesh	2023		26	e202300877		Wiley Online Library
6	In vitro and in vivo antiplasmodial evaluation of sugar-modified nucleoside analogues	Miklós Bege, Vigyasa Singh, Neha Sharma, Nóra Debreczeni, Ilona Bereczki, Poonam, Pál, Herczegh, Brijesh Rathi, Shailja Singh, Anikó Borbás	2023		13	12228		Nature Publishing Group UK London
7	A Systematic Review on Pesticide-loaded Nanocapsules: A Sustainable Route for Pesticide Management to Enhance Crop Productivity	Kumar, Sumit and Bhuvaneshwari, R and Jain, Sejal and Nirwan, Shweta and Fatima, Zainab and Kumar, Dharmender and Chhikara, Bhupendra S and Rathi, Brijesh and others	2024		20	280--297		Bentham Science Publishers
8	Recent Advances on the Discovery of Plants Derived Bioactive Scaffolds/Extracts Against Parasitic Diseases	Upadhyay, Charu and Kumar, Sumit and Poonam	2023			07--22		springer
9	The women of Miranda House: Building archival collections, digital humanities and feminist digital history	Shweta Sachdeva Jha	2023		21	279--289	10.1080/14746689.2023.2271273	South Asian Popular Culture
10	Role of Extreme Climate Events in Amplification of Plant Invasion	Laishram, Sundari Devi and Shakya, Rashmi	2023			77--97		Springer
11	Effect of two biostimulants, based on <i>Ascophyllum nodosum</i> extracts, on strawberry performance under mild drought stress	Shakya R, Capilla E, Pagan NT, Muñoz M, Boscaiu M, Lupu? I, Vicente O and Verdeguer M	2023		13	2108	10.3390/agriculture13112108	mild drought stress
12	Phyto-fabrication and characterization of <i>Alternanthera sessilis</i> leaf extracts-mediated silver nanoparticles and evaluation of larvicidal potential	Kumar D, Singh B, Kumar G, Shakya R, Vikram K, Rani A and Singh H	2023			07--16	10.1007/s13399-023-04948-6	Springer
13	Efficient Anticorrosion Coatings Based on Waste Tea Bags-Derived Nanocrystalline Cellulose-Incorporated Polyaniline Nanocomposites	Neha, Rahul Saha, Anuj, Anuushka Pal, Parveen Saini	2024			1--7		springer

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14	Fabrication of ?-Fe ₂ O ₃ /rGO nanocomposite and its study for electrochemical glucose sensor and supercapacitor application	Sapna Yadav, Nutan Rani, Kalawati Saini	2024		142	110707	10.1016/j.diamond.2023.110707	Elsevier
15	Azadirachta indica peel extract-mediated synthesis of ZnO nanoparticles for antimicrobial, supercapacitor and photocatalytic applications	Nutan Rani, Sapna Yadav, Asifa Mushtaq, Swati Rani, Mona Saini, Seema Rawat, Kalpna Gupta, Kalawati Saini	2024			1--18	10.1007/s11696-024-03340-6	springer
16	Comparative In Vitro Anticancer Study of Cisplatin Drug with Green Synthesized ZnO Nanoparticles on Cervical Squamous Carcinoma (SiHa) Cell Lines	Rani, N., Rawat, K. Saini, M., Yadav, S., Saima Syeda, Shrivastava, A*, Saini, K.*	2023		8	14509-14519	10.1021/acsomega.2c08302	ACS Publications
17	Characterization and investigation of antioxidant and antimicrobial activity of zinc oxide nanoparticles prepared using leaves extract of Nyctanthes arbor-tristis	Rani, N., Mona Saini, M., Rani, S., Yadava, S., Rawat, S. Saini, K	2023		150	110516	10.1016/j.inoche.2023.110516	Elsevier
18	Density functional theory study of the antioxidant activity of glutathione: Reaction with alloxan and its derivatives	Rita kakkar, Bharti Badhani & Mamta Bhandari	2023		1230	114374		Elsevier
19	Template-assisted mesoporous SnO ₂ based gas sensor for NO ₂ detection at low temperature	Singh, Alka and Vats, Mansi and Mohapatra, Satyabrata and Tomar, Monika and Chowdhuri, Arijit and Singh, Vaishali	2023			1--11		Springer
20	Metal oxide based carbon nanocomposite as sensing platform for electrochemical detection of cadmium-computational and experimental approach	Lochab, Amit and Jindal, Kajal and Chowdhuri, Arijit and Tomar, Monika and Saxena, Reena Kumari, Manisha and Jindal, Kajal and Munjal, Sandeep and Tomar, Monika and Jha, Pradip K	2024			110125		Elsevier
21	Analog resistive switching behavior in BiCoO ₃ thin film	Lochab, Amit and Jindal, Kajal and Munjal, Sandeep and Tomar, Monika and Jha, Pradip K	2024		212	108831		Elsevier
22	EMI Shielding Properties of Sub-micron Polymer Composite of Barium Strontium Titanate Loaded with Polystyrene, Graphite Powder, and Carbon Fibre	Miglani, Rohit and Gupta, Reema and Kumar, Amit and Sachdev, VK and Tomar, Monika and Chowdhuri, Arijit	2024		49	1037--1045		springer

SN.	Title	Author List	Year	Issue	Volume	Page nos.	Digital Object Identifier (DOI)	Publisher
23	Conductive polymer based MWCNTs nanocomposite as electrochemical sensing platform to detect chloramphenicol	Lochab, Amit and Jindal, Kajal and Chowdhuri, Arijit and Tomar, Monika and Saxena, Reena	2023		297	117397		Elsevier
24	Effect of 3d transition metal doping on the structural, electronic, & magnetic properties of BiCoO ₃ using first principles study	Kumari, Manisha and Jindal, Kajal and Tomar, Monika and Jha, Pradip K	2023		588	171383		Elsevier
25	Effect of codoping of rare earth elements and Cr on multiferroic, optical and photocatalytic properties of BiFeO ₃	Ahmad, Tahir and Jindal, Kajal and Tomar, Monika and Jha, Pradip K	2023		37	107516		Elsevier
26	Nanofilm-enhanced electrochemical DNA sensing: a breakthrough for yellow rust detection in wheat	Rehsawla, Rizwana and Dhull, Nidhi and Tomar, Monika and Sharma, Savita and Yadav, Neelam R	2023		10	116402		IOP Publisher
27	Studies on photovoltaic properties of BFO/WO ₃ bilayer thin films for solar energy harvesting applications	Lamichhane, Shiva and Sharma, Savita and Tomar, Monika and Chowdhuri, Arijit	2023		13	100539		Elsevier
28	Effect of low sintering temperature on the structural and magnetic properties of M-type strontium hexaferrite	Rana, Kush and Thakur, Shalini and Tomar, Monika and Gupta, Vinay and Thakur, Atul	2023		587	171289		Elsevier
29	Electromagnetic shielding effectiveness and dielectric study of polystyrene/aluminum composite by addition of graphite and carbon nanofiber powder	Kumar, Amit and Sachdev, VK and Chowdhuri, Arijit and Tomar, Monika and Singh, Mahipal	2023		34	1857		springer
30	Ba _{1-x} Sr _x TiO ₃ thin-film-based X-band selective coplanar waveguide microwave resonator using SiO ₂ as buffer layer	Miglani, Rohit and Gupta, Reema and Sharma, Anjali and Tomar, Monika and Chowdhuri, Arijit	2023		38	4009--4021		springer
31	Thermal and mechanical energy harvester based on flexible PVDF/PLZT polymer-ceramic composites	Vandana and Tomar, Monika and Gupta, Reema	2023		30	330		springer
32	Fabrication of Surface Acoustic wave resonator as Acousto-optic Modulator	Bharati, Manisha and Rana, Lokesh and Gupta, Reema and Sharma, Anjali and Jha, Pradip	2023		142	114088		Elsevier

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33	Conductive polymer based MWCNTs nanocomposite as electrochemical sensing platform to detect chloramphenicol	K and Tomar, Monika Lochab, Amit and Jindal, Kajal and Chowdhuri, Arijit and Tomar, Monika and Saxena, Reena	2023		297	117397		Elsevier
34	EMI Shielding Properties of Sub-micron Polymer Composite of Barium Strontium Titanate Loaded with Polystyrene, Graphite Powder, and Carbon Fibre	Miglani, Rohit and Gupta, Reema and Kumar, Amit and Sachdev, VK and Tomar, Monika and Chowdhuri, Arijit	2024		49	1037-1045		springer
35	Fabrication of Surface Acoustic wave resonator as Acousto-optic Modulator	Bharati, Manisha and Rana, Lokesh and Gupta, Reema and Sharma, Anjali and Jha, Pradip K and Tomar, Monika	2023		142	114088		Elsevier
36	Development of CdS-SnO ₂ hybrid nanocomposite thin films for trace level detection of NO ₂ gas	Sao, Ajay K and Sharma, Anjali and Verma, Mallika and Tomar, Monika and Chowdhuri, Arijit	2023		393	134198		Elsevier
37	Fabrication of GaN-based MSM droplet triboelectric nanogenerator by the conjunction of photovoltaic and triboelectric effect	Yadav, Gunjan and Jindal, Kajal and Tomar, Monika	2023		944	169178		Elsevier
38	Impact of top metal electrodes on current conduction in WO ₃ thin films	Sharma, Savita and Tomar, Monika and Gulati, Sudha	2023		114	634--640		De Gruyter
39	Lamb Wave Resonator for UV Photodetection and Impact of Induced Piezopotential on Schottky Barrier Height towards Enhanced Sensitivity	Bharati, Manisha and Rana, Lokesh and Jindal, Kajal and Gupta, Reema and Sharma, Anjali and Tomar, Monika	2023					IEEE
40	Realization of a DNA biosensor using inverted Lamb wave MEMS resonator based on ZnO/SiO ₂ /Si/ZnO membrane	Bharati, Manisha and Rana, Lokesh and Gupta, Reema and Sharma, Anjali and Jha, Pradip K and Tomar, Monika	2023		1249	340929		Elsevier
41	Studies on energy storage properties of BFO/WO ₃ bilayer thin film capacitor	Lamichhane, Shiva and Sharma, Savita and Tomar, Monika and	2023		5	e342		Wiley Online Library

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42	Theoretical insight of origin of Rashba-Dresselhaus effect in tetragonal and rhombohedral phases of BiFeO ₃	Chowdhuri, Arijit Ahmad, Tahir, Kajal Jindal, Monika Tomar, and Pradip K. Jha	2023		25	5857--5868		Royal Society of Chemistry
43	Realization of a DNA biosensor using inverted Lamb wave MEMS resonator based on ZnO/SiO ₂ /Si/ZnO membrane	Bharati, Manisha, Lokesh Rana, Reema Gupta, Anjali Sharma, Pradip K. Jha, and Monika Tomar	2023		129	340929		Elsevier
44	Impact of laser energy on resistive switching properties of BiFeO ₃ thin films	Lamichhane S., Sharma S., Tomar M., Chowdhuri A.	2023		293	126824		Elsevier
45	Influence of pulsed laser deposited hafnium oxide thin film as gate dielectric on the fabrication of Al _{0.1} Ga _{0.9} N/GaN MOS-HEMT	Yadav G., Jindal K., Tomar M.	2023		153	107136		Elsevier
46	Influence of post deposition annealing on thermoelectric properties of In ₂ Se ₃ thin films	Jeengar C., Tomar M., Jindal K., Sharma A., Jha P.K.	2023		153	107127		Elsevier
47	Boost in the Electromagnetic Shielding Effectiveness of Polystyrene-Polyaniline Composites by Addition of Carbon Nanofibers	Kumar A., Chowdhuri A., Tomar M., Singh M.	2023		48			springer
48	Simulation and fabrication of higher mode Lamb wave acoustic devices for sensing applications	Bharati, M., Rana, L., Gupta, R., Sharma, A., Jha, P. K., & Tomar, M.	2023		220	2200760		Wiley Online Library
49	BiETech: Biclust Ensemble Techniques Journal - International Journal on Recent and Innovation Trends in Computing and Communication	Geeta Aggarwal, Seema Aggarwal, Manisha Bansal	2023		11	4075--4088		Auricle Global Society of Education and Research
50	Women Vulnerability Index (WVI): Multi Criteria Decision Making Approach	Seema Aggarwal, Geeta Aggarwal, Manisha Bansal	2024		12	1232--1238		Elsevier
51	Enhanced Vegetation Index and Land Use Analysis For Seven Sister States Of India (2000-2022),	Priyanka Puri	2023			167--183	10.1007/978-981-19-6478-7_9	springer
52	Exploring gender approach to climate change and agroecology: Women farmer's search for agency in India	Singh, Pushpa	2023		51	18--24		Elsevier
53	Climate Change, Gender and Traditional Livelihoods: Some Reflections from India	Singh, P., Ao, B., Yadav, A	2023				10.1007/978-3-031-24833-7_5	springer

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54	Pandemic, Resilience and Sustainability: Agroecology and Local Food System as the Way Forward	Singh, P., Milshina, Y., Batalhão, A., Sharma, S., Hanafiah, M.M	2023				10.1007/978-3-031-10437-4_14	springer
55	Climate Change and Displacement in India: A Gendered Perspective	Singh, Pushpa	2023				10.4324/9781003367802	Routledge

UGC

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1	Title	Author List	Year	Issue	Volume	Page nos.	Digital Object Identifier (DOI)	Publisher
2	A Critical Re-engagement with Traditions: Women, Agriculture and Agroecology in India, Indian Studies Review,	Singh, Pushpa	2023	1	4	110-225	ISSN:2583-004X, E-ISSN:2582-7154.	
3	Food Sovereignty Movements and Environmental Justice in India: Critical Insights and Assessments from Uttarakhand and Odisha, Social Action: A quarterly Review of Social Trends	Singh, Pushpa	2023			446-458	ISSN 0037-7627	
4	Women's Vulnerabilities during Flood: Drawing Lessons from Char Chapori Regions of Assam, Inclusive Journal, Kolkata Centre for Contemporary Studies (KCCS)	Singh, Pushpa	2023	23	2	210-222	E-ISSN: 2278-9758	
5	Examining Research on Disasters In India- A Bibliometric Study (1969-2022) Jan.-Jun. 2023 Disaster and Development	Prof. Priyanka Puri	2022	11	2	81-96	ISSN- 0973-6700	
6	Book Review: Consumerist Encounters. Contribution to Indian Sociology	Shivani Rajput	2023	56	3			
7	Persian Literati, Islam and Politics in Early Modern South Asia: Being a Muslim in 'Abd al-Haqq Dehlawi's Texts', South Asia: Journal of South Asian Studies	Dr Sushmita Banerjee	2024				DOI: 10.1080/00856401.2024.2279391	

Web Scienc

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1	Title	Author List	Year	Issue	Volume	Page nos.	Digital Object Identifier (DOI)	Publisher
2	Phytoestrogens of Trifolium pratense L. as therapeutics: A review	Bajaj M, Bahri S, Agrawal R, Sinha Roy S, Riya & Khanna C.	2023	4	13	252-262	ISSN: 2230-9799. DOI: 10.38150/sajeb.13(4)	South Asian Journal of Experimental Biology
3	Empowering reciprocal recommender system using contextual bandits and argumentation based explanations	Tulika Kumari, Dr. Bhavna Gupta, Dr. Ravish Sharma, Sr. Prof. Punam Bedi	2023		26	2969-300	https://doi.org/10.1007/s11280-023-01173-z	springer

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4	Generating Popularity-Aware Reciprocal Recommendations Using Siamese Bi-Directional Gated Recurrent Units Network	Tulika Kumari, Dr. Bhavna Gupta, Dr. Ravish Sharma, Sr. Prof. Punam Bedi	2023	10	3	273-301	https://doi.org/10.1142/S2196888823500045	Vietnam Journal of Computer Science (ESCI, Scopus indexed)

Students with Distinctions

S.No.	Name of Students	Class
1	Anagha K T	B.Sc. (H) Chemistry
2	Skoon Sharma	B.Sc. (H) Botany
3	Kritika Sharma	B.Sc. (H) Zoology
4	Medha Shree	B.Sc. (H) Zoology
5	Bhawana	B.Sc. (H) Mathematics

• Journals

1. NA,(NA) ,NA , NA , NA , NA , NA

• Research Projects(Maximum 5)

1. North Eastern Council, Government of India, Professor Bijayalaxmi Nanda, North Eastern Council, Government of India, 2022-2025, Establishing the Northeastern Regional Research and Resource Centre at Miranda House, 275.40

2. DRDO, Professor Monika Tomar, Fabrication of Lamb Wave Devices on SiO₂/Si Membrane for strategic applications, 428.03

3. DST, Professor Monika Tomar, Realization of MEMS based Dual Energy Harvester using ferroelectric and ferromagnetic thin film layered structures, 51.48

4. DST, Dr. Poonam, Sustainable route for pesticide management using nano based efficient pesticide formulation technique to enhance crop productivity, 46.77

5. SERB, Dr. Poonam, Lead Optimization of Potent Multistage Antimalarials, 46.41

• Patents Filed/Granted

1. 2 International and USA Patent; Patent Holder: Ashok Kumar, Hitesh Borkar, Viabhav Rao, Monika Tomar, Vinay Gupta; Patent granted in: 20/07/2020; Title: "Multi-States Nonvolatile Opto-Ferroelectric Memory Material and Process for preparing the same thereof" (Patent no. US10115456B2, 2018/10/30) (US20170206952A1, 2017/1/13). USA Patent; Patent Holder: Steve Bradfute, Ravi Durvasula, Praksha Kempaiah, Brijesh Rathi, Poonam, Yash Gupta; Patent granted in: 29 April 2022; Title: "Calxinin Compositions and Method of Treating Viral Infections" (Application no. PCT/US22/26943).

2. 11 National and Patent Holder: Brijesh Rathi, Poonam, Neha Sharma; Title of Invention: An Antiparasitic Compound; Indian Patent Docket No 44754, filed on April 18, 2023. Patent Holder: Vinay Gupta, Monika Tomar, Ayushi Paliwal and Surbhi Jain; Patent granted in: 27 August 2020; Title: "A novel highly sensitive and reliable LRSPR biosensor for detecting uric acid and fabrication thereof" (Application no. 201911006783). Patent Holder: Vinay Gupta, Monika Tomar, Anjali Sharma and Avneet Singh; Patent granted in: 27 August 2020; Title: "Electric field assisted low power consuming conducto-metric gas sensor" (201811006329). Patent Holder: Vinay Gupta, Monika Tomar, Anjali Sharma, Avneet Singh, Parivesh Chugh, Jaivinder Singh, Bharthy Subramanian; Patent granted in: 08 March 2019; Title: "A sensitive, selective and rapid fuel gas sensor" (Application no. 201711011941). Patent Holder: Neelam R Yadav, Rizwana Rehsawla, Surbhi Jain, Savita Sharma, Monika Tomar, Vinay Gupta; Patent granted in: 30 May 2020; Title: "SPR based DNA biosensor for the detection of Puccinia striiformis f. tritici, causal agent of yellow rust in wheat" (Application no. TEMP/E-1/24707/2020-DEL) Patent Holder: Rizwana Rehsawla, Neelam R. Yadav, Nidhi Dhull, Savita Sharma, Monika Tomar, Vinay Gupta; Patent granted in: 26 June 2020; Title: "Electrochemical based genosensor for the detection of Puccinia striiformis f. tritici, causal agent of yellow rust in wheat" (Application no. TEMP/E-1/30053/2020-DEL). Patent Holder: Pradip K. Jha, Monika Tomar, Kajal Jindal, Chanchal; Patent granted in: 21 July 2023; Title: "Photoelectrochemical water splitting based biosensor for detecting uric acid in the biological fluids" (Application No.: 202311040935, Publication date: 21/7/2023). Patent Holder: Monika Tomar, Anjali Sharma, Lokesh Rana, Reema Gupta, Shweta Sharma ; Applied on: 29 March 2023; Title: "Lithium Doped Potassium Sodium Niobate Thin Film Based Mems Pressure Sensor" (Application No.- 202311023209). Patent Holder: Monika Tomar, Lokesh Rana, Reema Gupta, Anjali Sharma, Pradip K. Jha, Manisha Bharti, A. T. Nimal, Upendra Mittal; Applied on: 10 January 2023; Title: "Lamb Wave Resonator Device for Pressure Sensing" (Application No.- 202311002112). Patent Applied by: Monika Tomar, Lokesh Rana, Vandana, Reema Gupta, Anjali Sharma, Manisha Bharti, A. T. Nimal, Upendra Mittal, James Ajit Raymond; Applied on: 5 June 2023; Title "Integration of Niobium Lead Zirconium Titanate (PNZT) Thin Film Lamb Wave Acoustic Device" (Application No.- 202311036612). Patent Applied by: A. T. Nimal, Upendra Mittal, Monika Tomar, Lokesh Rana, Reema

Gupta, Anjali Sharma, Shweta Sharma, Manisha Bharti; Applied on: 8 December 2022; Title "Fabrication of Lamb Waver Acoustic Device using Potassium Sodium Niobate (KNN) thin films" (Application No.- 202211070947).

• **Seminars Organized(Maximum 5)**

1. Prof Pankaj Arora 2. Prof. Anil Kumar 3. Prof. Sanjay Roy 4. Dr. Amita Mulla Wattal 5. Dr. Manish Jain 6. Dr. Radhika Menon 7. Dr. Sandeep Kumar 8. Prof. Meenakshi Khar, Head- Dean, Central Institute of Education, University of Delhi CEO, Delhi University Foundation, University of Delhi Professor, Department of Social Work, University of Delhi Chairperson & Director, DLF Foundation Schools and Scholarships Program. Professor, School of Education Studies, Ambedkar University of Delhi. Associate Professor, Mata Sundri College, University of Delhi. Associate Professor, Department of Education, University of Delhi. Professor NCERT, New Delhi, ICSSR, NEP 2020- Vision, Possibilities and Challenges, 27-09-2023
2. Prof. Rakesh Bhatnagar, National Science Chair, JNU, Miranda House, Development of genetically engineered vaccine and therapeutic antibodies against anthrax. , Theme: Manasi Memorial lecture, 13-03-2024
3. Mrs. N. Kumutha, Scientist B, Department of Civil and Environmental Engineering, Indian Institute of Technology, Patna, Department of Chemistry, Miranda House, Intellectual Property Rights, IPR Awareness Programme, 06-06-2023
4. Sonalde Desai, Director NCAER, Miranda House, Women and Work, 13-03-2024
5. Dr S Jaishankar, Hon'ble Minister of External Affairs, Miranda House, The Future of Bharat, 24-01-2024

• **Conferences Organized(Maximum 5)**

1. Organizing Secretary for the 3rd International Conference on Integrative Chemistry, Biology and Translational Medicine (ICBTM-2024), 08-03-2024, SERB, CSIR, DBT
2. International Conference on Smart Consumption and Sustainable Living 2024 (ICSMSL) , 24-08-2023, Department of Chemistry, Miranda House
3. Two Day International Conference on Technological Transformation Towards Sustainable Growth, 30-01-2024, KPR College of Arts Science and Research, Coimbatore and Miranda House
4. Economics International Conference (INDIA'S DEVELOPMENT EXPERIENCE: ANALYTICAL PERSPECTIVE, 22-02-2024, ICSSR
5. International Conference cum Continuing Medical Education (CME) on "Novel Insights into Pathogenesis of Tuberculosis for the development of Vaccines, Diagnostics and Therapeutics", 03-05-2023, Department of Science and Technology -Science and Engineering Research Board

• **Seminar/Conference Presentations(Maximum 10)**

1. Presented on the topic "Climate Crisis and Agriculture: Exploring Agroecology as an Innovative Pathway to Climate Resilience and Sustainability" in an International Conference on Pluralism and Relationality in Contemporary Times: Debating Theory and Praxis organised on 5 September 2023 by Foundation for Creative Social Research, India and International Herbert Marcuse Society, USA
2. "Digitizing Women: A Study of the Miranda House Archiving Project" presented in the conference of IAWS in Calicut University, Kerala from 7-10 September 2023.
3. Talk entitled "Mycobacterium tuberculosis protein PPE15 (Rv1039c) interferes with NADPH Oxidase assembly to inhibit Reactive Oxygen Species production as its survival strategy in host macrophages" at Golden Jubilee conference of IIS, IMMUNOCON-50 is being organized from 5th - 8th October 2023 at the All-India Institute of Medical Sciences, New Delhi, the institute of its genesis in 1972. Prof. Bashabi Gupta was invited for a talk on "Role and Contribution of Indian Diaspora in the Indian Independence Movement: Travel Diaries of Subhas Chandra Bose in Europe and the Remaking of Azad Hind Fauj in Singapore at Contributions of Indian Diaspora in Freedom Struggles of India and the Rise of Global India during Amrit Kaal" at School of Economics, Takshashila Campus, Devi Ahilya University, Indore, Madhya Pradesh on 10-11 January 2023.
4. Presented a paper on Dynamics of Land Use Land Cover Change and its Impact on Land Surface Temperature in Lower Son River Basin, India in International Conference on Climate change, Disaster Management and Environmental Sustainability organised by Jamia milia Islamia, New Delhi on February 21-22, 2024.
5. Presented my paper titled " A study of local multiplicity fluctuations in charged particle production in Xe-Xe collisions at 5.44 TeV using ALICE" at 67th DAE Symposium on Nuclear Physics held from 9th to 13th December 2023 by IIT Indore.
6. International Symposium on Educational Inclusion of Children with Disabilities, organized by National Institute of Education, Sri Lanka, 04 January 2024.
7. Conference Paper Presentation, 'Spiritual Lineages and Role of Memory in Sufism: Religion and Discourse in the Fourteenth Century North India', AJEI conference on Knowledge Production, Ethics and Reflexivity in South Asia, IISER Bhopal, 6th March 2024.
8. Presented paper at the International Conference entitled The Carnation Revolution: Global Perspectives, at University of Massachusetts Dartmouth on 4-6 April 2024. The title of my paper was "Nationalism, Democracy and Identity: The Case of Goa".

9. Presented paper at the International Workshop entitled Integrating Histories of Development: the Good, the Bad, and the Joined, at Shanghai University on 4-5 November, 2023. The title of my paper was "From Plate to Palate: Food, Nutrition and Caste in India".

10. 'Tracing Lives: Baghdadi Jews and the 1947 Partition of the Indian Subcontinent', Paper presented at Remaking the World in the Shadow of the Cold War. Migrants, Workers, Soldiers, Spies in Post-1945 Reconstruction Conference organised by Central European University, Vienna, 1-2 June, 2023 (Travel bursary of 500 Euros and Full Accommodation Support provided by CEU).

- **National/International MoUs Signed**

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

- b. Trumio Inc, USA (International)

- c. CSIR-National Physical Laboratory, Delhi (National)

- d. Delhi Teachers University, Delhi (National)

- e. Rekhi Foundation for Happiness, Delhi (National)

- f. National Institute of Urban Affairs, Delhi (National)

- g. M.O.P. Vaishnav College for Women, University of Madras, Chennai (National)

- h. Chikitsak Samuha's Sir Sitaram and Lady Shantabai Patkar College of Arts and Science and V.P. Varde College of Commerce and Economics and Autonomous College, University of Mumbai (National)

- i. IDP Education India Private Limited, Delhi (National)

- j. ETI Foundation, Delhi (National) QTanalytics India APNE AAP NGO, Delhi (National)

- **Other Inter-Institutional Collaboration**

- Atma Ram Sanatan Dharma College, University of Delhi, Delhi (National) Dyal Singh Evening College, University of Delhi, Delhi (National)

- **Student under Exchange Program(Inbound)**

- Global Business Simulation Game, 20 Students Immersion Program in collaboration with University of Hull, UK - Immersion Program for academic enrichment 16 Students Immersion Programme in collaboration with University of York, UK 22 Students Immersion Program in collaboration with University of Wisconsin, Eau Claire, USA and PCGL 16 Students Celebrating 50 years of India - Korea diplomatic relations 20 Students

- **Student under Exchange Program(Outbound)**

- Global Business Simulation Game, Utrecht Business School, Hogeschool Utrecht University of Applied Sciences, Utrecht, the Netherlands 12 Students

- **Other Inter-Institutional Collaboration**

- Atma Ram Sanatan Dharma College, University of Delhi, Delhi (National) Dyal Singh Evening College, University of Delhi, Delhi (National)

- **Number and percentage of students placed**

- 166

- **Number of Companies visited for campus recruitment**

- 43 companies visited the campus in the year 2022-23. Some of the companies visiting the campus were DE Shaw, Accenture, KPMG Global Services, TresVista, Make my Trip, ZS Associates, ICICI, Tech Mahindra, Barclays, HCL, Aditya Birla, Zomato, etc.

- **Extension and Outreach Activities**

- Unnat Bharat Abhiyan (UBA), a flagship programme under the Ministry of Education (MOE), where the college links with the village partners to contribute to the economic and social betterment of these communities, using their knowledge base. The UBA Cell has taken various initiatives such as Multispecialty health check-up camp, Awareness camp on Cervical Cancer, Anaemia Survey, Blood donation camp, Cardiac health camp where renowned doctors from reputed hospitals were called. In addition to this, other activities like cleanliness drive, anti-drug awareness campaign through nukkad natak in collaboration with Delhi Police, stationary collection drive, putting up stalls of masks and tote bags made by village women. To understand the nuances of community service, teachers and students of MH UBA cell attended "Unnat Bharat: Nurturing Inclusive Development for Amrutkal" conclave at IIT Delhi and 'Grassroot Innovation and Skill Enhancement for Rural Development Conclave' at National Physical Laboratory. Centre for Environmental Studies and Disaster Management (CESDM) is dedicated to fostering multidisciplinary research with a focus on holistic development, it strives to bring together experts and enthusiasts to collaborate, learn, and innovate. CESDM organised capacity workshops, courses and internship programmes on Climate Change Adaptation, Sustainable Pathways and Analysing Household Vulnerability to Environmental Disasters. The college has partnered with professional and institutes of repute notably National Institute of Disaster Management (NIDM), National Disaster Response Force (NDRF) and National Disaster Management Authority (NDMA). North East Regional Research and Resource Centre (NERRRC) has been actively engaged in empowering students, specifically from the North East Region and the community, through diverse initiatives. The Centre recently established a radio setup and offers a Radio Broadcasting Course to 30 students yearly. Throughout 2023-24, NERRRC conducted skill enhancement workshops covering topics like research methodologies, e-learning, and SPSS. Project Bloom, a bamboo-based innovation project, focuses on sustainable

products and women's empowerment. NERRRC offers research internships to 20 students in each session, providing hands-on research experience related to Northeast India. These initiatives collectively contribute to the academic and societal growth of the community. NERRRC actively empowers North East students and communities through radio broadcasting courses, skill workshops, and conferences with notable speakers. The Centre also promotes cultural exchange and activities with prominent artists. The famous Naga Folk Artist Tetseo Sisters also performed as a part of cultural activities. The Department of Physical Education & Sports brought accolades at National and International levels. At International level, Saina Salonika represented India at ASEAN Rapid Chess Championship and clinched Silver Medal and Ishvi Aggarwal bestowed with the title of Women Candidate Master. A total of 12 students participated in National Championships and secured an impressive haul as two students secured I position and two students secured III position. In the fiercely competitive All India Interschool Championships, one student secured I position and two student secured III position. At Zonal Level University Championships, total of eight students participated in which two students secured I Position and two students secured III Position. Furthermore, at the State Championship, seven students secured I position, six students secured II position and one student secured III position showcased our department's dominance in regional sports competitions. In Delhi University Inter College Championships, our teams secured I position in Basketball and Netball and the Taekwondo Team also secured I Position with total 8 medals in 8 weight categories that include 5 Gold Medals, 2 Silver and 1 Bronze Medal. Moreover, Athletics team secured II Position with 15 Medals in total, which include 5 Gold, 4 Silver and 6 Bronze. The college has also set up a Millet corner cum food incubation centre with objective toward holistic health and providing opportunities to students especially from the north east region and women from local communities to collaborate as a start up and earn while learning. Agamyra, is an endeavour to connect with students studying in Government schools located in remote areas of India. Its aim is to conduct mentoring sessions by engaging children in various activities which will help sharpen their competency and aptitude along with imparting life skills. Its motto 'SAMAGRA SHIKSHA' represents the importance of encompassing hard academic curriculum as well as soft skills like team work, time management and channelising creativity.

- **Library Development**

The total sanctioned Library Budget was Rs. 10,15,607/-. In the academic year 2022-2023, 919 volumes of books were added.

- **Faculty Strength**

Senior Professor/Professor/Director. Professor 24

Associate Professor. Associate Professor 66

Assistant Professor. Assistant Professor 102

Ad-hoc. Ad hoc 8

Guest. Guest 67

- **Financial Allocation and Utilization**

(a.) Rs. 108.31 Cr.

(b.) Rs. 108.31 Cr.

- **Other Significant Information**

- **Name of Coordinator**

Prof. Manjari Kiran Srivastava

- **Email of Coordinator**

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- **Contact no of Coordinator**

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