

FACULTY ACHIEVEMENTS

HONORS AND DISTINCTIONS

- **Dr. Anil Kumar Mavi**, Assistant Professor, Department of Botany, was awarded 'Best Oral Presentation' at the 'International Symposium on Global Science for Global Well-being' organized by IMS Ghaziabad on November 27, 2023.
- **Dr. Hemchandra Nameirakpam**, Assistant Professor, Department of English, was awarded Doctoral Degree from Ambedkar University, Delhi on 20th December 2023.
- **Dr. Himanshu Kushwah**, Assistant Professor, Department of Electronics, was awarded Doctoral Degree in the convocation held at Delhi University Conference Hall on 24th February, 2024.
- **Dr. Mahesh Kaushik**, Assistant Professor, Department of Economics was appointed as a 'Research Fellow (Honorary); at CGS, University of Delhi for three years.
- **Prof. Manju M. Gupta**, Professor, Department of Botany, was Inducted as an advisor at SPUN (<https://www.spun.earth/about/team>) in 2024.
- **Dr. Meenakshi Chaudhary**, Associate Professor, Department of Commerce and Dr. Vandana Munjal, Assistant Professor, Department of Commerce were awarded with the 'Best Paper Award' for presenting a research paper titled 'Investigating students' resistance towards adoption of e-learning systems' at the International Conference on 'Envisioning India as a Global Leader - Under G-20 Presidency' organized by the college on February 23-24, 2024.
- **Prof. Namita Rajput**, Professor, Department of Commerce, was awarded the 'Global Gender Sensitization Award' by 'Systemic Diversity and Inclusion Group, United States' on March 1, 2024. This prestigious award recognized her outstanding contribution to advancing gender equality and promoting inclusivity across all spheres of academic and social endeavors.
- **Dr. Parul Jain**, Assistant Professor, Department of Economics, completed her PhD from Jawaharlal Nehru University. She attended 'Nurturing Future Leadership Program' organised by the 'Ministry of Education, GOI' at IIT Delhi on March 18-22, 2024
- **Dr. Poonam Jain**, Assistant Professor, Department of Physics was appointed as an 'Executive Member' of 'Indian Association of Physics Teachers (IAPT, RC-1)' for the year 2022-2024, Delhi and Haryana Region; appointed as 'Local Coordinator' in the evaluation of reports of the experiments during the prelims round of 'NAEST-2023 organized by National Anveshika Network of India (NANI)', a unit of IAPT in collaboration with SHIKSHA SOPAN; and acted as a 'Judge' for the 'Center Level Science Exhibition 2023-2024' at Govt. School, Pitampura on 01 February 2024.
- **Prof. Pravita Kumar**, Professor, Department of Chemistry acted as a 'Chairperson' in an International Seminar titled 'Current Trends in Chemical Sciences for Sustainable Living' conducted by Shyam Lal College.
- **Mr. Saurabh Kumar**, Assistant Professor, Department of Commerce, was awarded the 'Best Paper Award' for presenting a research paper titled 'A Systematic Literature Review of Indian and International IPOs' at the National Conference on 'Financial Literacy: Demystifying Investment Options' organized by Gargi College in collaboration with Committee for Financial Literacy, University of Delhi on March 15, 2024.
- **Dr. Shasta Gupta**, Assistant Professor, Department of Commerce, completed her PhD from Department of Commerce, Delhi School of Economics, University of Delhi in 2023-24.
- **Dr. Shubhra Gupta** was awarded Doctoral Degree in the convocation held at Delhi University conference hall on 24th February, 2024.
- **Ms. Sukriti Sobti**, Assistant Professor, Department of English was awarded a certificate and a memento for esteemed support as 'Organising Committee Member' for 'Yuva Utsav 2023' organized by 'Nehru Yuva Kendra' (June 2023).
- **Prof. Tasneem Shahnaaz**, Professor, Department of English conducted an 'Online Academic Writing Course' under the aegis of ILL, DU from 7 Feb 2024 to 26 March 2024.

BOOKS

- **Mr. Abhinav Prakash**, Assistant Professor, Department of Hindi, published a book titled 'भदन मोहन मालवीय:विचार एवं व्यक्तित्व' with 'विजया बुक्स,शाहदरा दिल्ली' in,2023.
- **Dr. Anita Singh**, Assistant Professor, Department of Zoology, published a book titled 'Parasitic Associations' with 'Bluerose Publisher' in 2023.
- **Dr. Mahesh Kaushik**, Assistant Professor, Department of Economics, published a book titled 'Delhi 2023: Changing Democracy. Transforming Polity' with 'Har Anand Publication, Delhi' in 2024.
- **Prof. Pramod Kumar**, Professor, Department of Chemistry, published a book titled 'Cham; Drinking water Disinfection Byproducts, Source, Fate and Remediation' with 'Springer' in 2024.
- **Prof. Subhanjali Chopra**, Professor, Department of Commerce, and Dr. Vandana Munjal, Assistant Professor, Department of Commerce, published a book titled 'Business organization and management' with 'JSR Publications' in 2023.
- **Dr. Vandana Munjal** published a book titled 'Business organization' with 'JSR Publications' in 2023.

CHAPTERS

- **Dr. Anil Kumar Mavi**, Assistant Professor, Department of Botany, published a chapter titled 'Genetic Modulators in Amyotrophic Lateral Sclerosis' in 'Mechanism and Genetic Susceptibility of Neurological Disorders' with 'Springer Nature' in 2024.
- **Prof. Manju M. Gupta**, Professor, Department of Botany published a chapter titled 'Arbuscular Mycorrhiza Fungi Resources for sustainable and climate-smart cultivation of Maize' in 'Fungal Resources for Sustainable Economy: Current Status and Future Perspectives' with 'Springer Nature Singapore' in 2023.
- **Prof. Manju M. Gupta** published a chapter titled 'Revisiting the Biodiversity and Ecosystem Functioning of Arbuscular Mycorrhizal Fungi Under Different Agricultural Management Practices and Environmental Stresses' in 'Applied Mycology for Agriculture and Foods' with 'Apple Academic Press' in 2024.
- **Prof. Rashmi Mathur**, Professor, Department of Botany, published a chapter titled 'Microbial Solution for Mitigating Plastic Pollution: From Environmental Hazard to Sustainable Management' in 'Harnessing Microbial Potential for Multifarious Applications' with 'Springer Singapore' in 2024.

PUBLICATIONS

SCOPUS

Author List	Title	Year	Publisher
Sachan, Prachi, Md Sanam Suraj, Rajiv Aggarwal, Amit Mittal, and Md Chand Asique	A Study of the Axisymmetric Restricted Five-Body Problem within the Frame of Variable Mass: The Concave Case	2023	Astronomy Reports

Raj, Beenu, Jitin Rahul, Pramod K. Singh, Velidandi VL Kanta Rao, Jagdish Kumar, Neetu Dwivedi, Pravita Kumar, Diksha Singh, and Karol Strzałkowski	Advancements in PET Packaging: Driving Sustainable Solutions for Today's Consumer Demands	2023	Sustainability
Sushil Yadav, Mukesh Kumar, and Rajiv Aggarwal	Analysis of Resonant Curve in a Synchronous Satellite under the Gravitational Effect of the Sun, the Moon, and the Earth Including Its Oblateness using Poincare Section	2023	Astronomy Reports
Bhavneet Kaur, Sumit Kumar, and Rajiv Aggarwal.	Effect of Finite Straight Segment on the Non-linear Stability of the Equilibrium Point in the Planar Robe's Problem	2023	Astronomy Reports
Amit Mittal, Krishan Pal, Md Sanam Suraj, and Rajiv Aggarwal	Effect of Stokes drag in the restricted four-body problem with variable mass	2023	New Astronomy
Shipra Chauhan and Rajiv Aggarwal	Exploring the Perturbed Restricted Three-Body Problem under the Effect of Albedo and Straight Segment	2023	Astronomy Reports
Anita Kumari, Vandna Bhalla	Extraordinary properties of Graphene: What makes it so powerful	2023	European Chemical Bulletin (ECS)
Rashmi Mathur	Gibberellic Acid Mediated Post-Translational Modification of RNA Polymerase II in Epicotyls of Dwarf Pea (PISUM SATIVUM L.)	2023	European Chemical Bulletin
Shikha Jyoti Borah, Abhijeet Kumar Gupta, Akanksha Gupta, Bhawna, Sanjeev Kumar, Ritika Sharma, Ravinder Kumar, Pramod Kumar, Kashyap Kumar Dubey, Sandeep Kaushik, Ajay Kumar Mishra, and Vinod Kumar	Grasping the supremacy of microplastic in the environment to understand its implications and eradication: a review	2023	Journal of Materials Science
Vaishali Singh, Ilya Ulasov, Sachin Gupta, Anita Singh, Vikas Kumar Roy, Rajesh Kumar Kharwar	Idiopathic Pulmonary Fibrosis; Where do We Stand and How Far to Go?	2024	Discovery Medicine
Y.P. Singh, V. Kumar, A. Choudhary, A. Shukla, Poonam Jain, Y. Kumar, R. Sapra, K. Jha, M. Silarski, S. Sharma	Influence of collectivity of reduced hindrance factor of K-Isomers in tantalum and hafnium isotopes	2023	Acta Physica Polonica B
Neeraj Dhariwal, Preety Yadav, Manju Kumari, Poonam Jain, Amit Sanger, Vinod Kumar, and O. P. Thakur	Iron Oxide-Based Nanoparticles for Fast-Response Humidity Sensing, Real-Time Respiration Monitoring, and Noncontact Sensing	2023	IEEE Xplore
Yogesh Kumar, Poonam Jain, Pargin Bangotra, D. V. Singh, Vinod Kumar, and S. K. Rajouria	Mass Spectra of Diphotons at Finite Chemical Potential in massive Nuclear Collisions	2024	Braz J Phys.
Rashmi Mathur, Shashank Awasthi, Roma Katyal,	Mucor and Mucormycosis: An in-silico perspective of drug toxicity	2023	European Chemical Bulletin

and Neeraj Wadhwa			
Poonam Jain, Yogesh Kumar, Vinod Kumar, and Pargin Bangotra	Search for Super-Deformed Identical Bands in the A= 190 Mass Region on the Basis of Level Spin	2023	Universe
Y.P. Singh, V. Kumar, A. Shukla, Poonam Jain, Y. Kumar, R. Sapra, Rohtash, K. Jha, T. Verma, M. Silarski, S. Sharma	Systematic study of gamma decay hindrance factors	2023	Physics Particle Nuclear Letter
Vandna Bhalla, Rinki Sharma, Pratibha Gupta and Rashmi Mathur	The 5G Technology: Concepts, Benefits and Concerns	2023	Journal of Data Acquisition and Processing,
Amit Mittal, Krishan Pal, Rajiv Aggarwal	The Analysis of the Photogravitational R4BP Under the Combined Effect of Stokes Drag and Oblateness with Variable Mass	2023	The Journal of the Astronautical Sciences
Dinesh Kumar, Rajiv Aggarwal, and Bhavneet Kaur	The Photogravitational Restricted Problem of 2 + 2 Bodies with Straight Segment and Oblate Spheroid	2023	Astronomy Reports
Akila G. Prabhudessai, Sathravada Balaji, Sakthi Prasad, Shweta Chahal, Kaushik Biswas, K. Ramesh, Anupama Yadav, Saswata Chakraborty; Partha Sarathi Kongar, Sayan Chatterjee, Sutanu Dutta, Rana Dasgupta, Pratik Sarkar, K. Annapurna	Thermal, structural, and conductivity properties of $As_{14}Sb_{26}S_{(60-x)}-(Ag)_x$ chalcogenide glasses	2024	Journal of Applied Physics
V. Kumar, Rajiv Aggarwal, S. K. Marig	Unveiling the intricacies of attracting zones in magnetic binary systems: Investigating the impact of Yukawa correction	2023	Astronomy and Computing
Mamta Sharma, Susheel Kumar Singh, Vandna Bhalla	Biosensors based on ZnO Nanostructures and their role in Health Diagnosis: A Review	2023	European Chemical Bulletin
Sunaina Kanojia, Vijay Lakshmi, Shikha Sachdeva, Manisha Verma	Tensegrity of Internal Control System, Board's Ability and Corporate Governance Practices	2023	Global Business Review
Shubhra Gupta, Gayatri Shishodia, P.K. Shishodia	Modeling of ZrS ₂ /MoS ₂ Heterostructures for Photovoltaic Applications	2024	Journal of Electronic Materials
Myungkoo Kang, Byoung-Uk Sohn, Qingyang Du, Danhao M, Raturaj Pujari, Laura Sisken, Cesar Blanco, Claudia Goncalves, Chanelle Arias, Anna Zachariou, Anupama Yadav, Patrick E. Lynch, Jonathan Lee, Spencer Novak, Casey M. Schwarz, Igor	Self-healing mechanisms for Ge-Sb-S chalcogenide glasses upon gamma irradiation	2024	MRS Bulletin

Luzinov, Juejun Hu, Anuradha M. Agarwal, Dawn T. H. Tan, Kathleen A. Richardson			
Surbhi Sharma, Aushmita Das, Abha Kumari, Manju M. Gupta	Technological Insights into Lutein Isolation from Marigold Flower and their Diverse Applications: A Compendious Review.	2024	Phytochemistry Reviews.

UGC CARE

Author List	Title	Year	Publisher
Dr. Vandna Bhalla, Mrs. Pratibha Gupta	5 Ways to become Smart users of smart Devices	2023	International Journal of Innovations & Research Analysis
Divyendu Jha	Caricaturing The Imperial Rule and The Indian Nation in Colonial India: A Narrative of Everyday Politics in Caricatures.	2023	Journal of the Asiatic Society of Mumbai
Raj Kumar, Kamal Singh, Anil K. Mavi, Jitendra K. Nagar, Sukriti Raj, Manoj Kumar, and Ravishankar Nagaraja	Combustion of Biomass Fuel and Chronic Obstructive Pulmonary Disease in Rural Population of India	2024	Journal of Chest Diseases and Allied Sciences
Rounak Kumar Pathak	Electioneering by bjp & congress and consequent electorates' choices in 2014 & 2019 lok sabha elections	2023	The Indian Journal of Political Science
Shipra Chauhan and Rajiv Aggarwal	Exploring the Perturbed Restricted Three-Body Problem under the Effect of Albedo and Straight Segment	2023	Astronomy Reports
Amarjeet Singh, Pavitra Bhardwaj, and Kaushalendra Pal Singh	Innovating Wisdom: Examining Thought Leadership Principles through the Lens of Swami Vivekananda	2024	Third Concept
Sakshi Suman, Yamini Agrawal, Aarti Yadav, Nitin Chauhan	Mycoremedial Approach for Biodegradation of Textile Dyes	2024	International Journal of Scientific Research in Science, Engineering and Technology
Divyendu Jha	Sarvodaya, Swaraj and the Making of the Indian Intellectual Tradition: How Jayprakash Narayan's Ideas Meet Gandhian Thought.	2023	Rabindrabharti Journal of Philosophy
Deepti Singh and Silky Jain	Tracing the drivers behind corporate social responsibility through the lens of a systematic review of literature.	2023	The Journal Of Indian Management And Strategy

Rashmi Mathur, Isha Gunwal, Payal Mago, Neeraj Wadhwa, and Roma Katyal	Unlocking the Potential of Mushroom for Industrial Applications	2023	Kavaka
Rashmi Mathur, Roma Katyal, Vandna Bhalla, Lakshmi Tanwar, Payal Mago and Isha Gunwal	Women at the Forefront of Environmental Conservation.	2023	Current World Environment
Mahesh Kaushik	राष्ट्र, राज्य एवं विधायन : पाश्चात्य एवं पौराणिक दर्शन	2024	Manthan
Tanya Singh, Madhuri Bhattacharya, Anil Kumar Mavi, Anita Gulati, Rakesh, Naresh Kumar Sharma, Sonal Gaur, Umesh Kumar	Immunogenicity of cancer cells: An overview	2023	Cellular Signalling (International Pubmed)
Raj Kumar, Manoj Kumar, Sukriti Raj, Dileep Kumar Arisham, Anil Kumar Mavi, and Kamal Singh	Smoking cessation and its significant role in the Indian scenario	2023	Monaldi Archives of Chest Disease (International Pubmed)

WEB OF SCIENCE

Author List	Title	Year	Publisher
Vaishali Singh, Ilya Ulasov, Sachin Gupta, Anita Singh, Vikas Kumar Roy, Rajesh Kumar Kharwar	Idiopathic Pulmonary Fibrosis; Where do We Stand and How Far to Go?	2024	Discovery Medicine
Deepti Singh and Silky Jain	Tracing the drivers behind corporate social responsibility through the lens of a systematic review of literature.	2023	The Journal Of Indian Management And Strategy

OTHERS

Author List	Title	Year	Publisher
Sakshi Suman, Yamini Agrawal, Aarti Yadav, Nitin Chauhan	Mycoremedial Approach for Biodegradation of Textile Dyes	2024	International Journal of Scientific Research in Science, Engineering and Technology
Mamta Sharma, Vandna Bhalla	Nanotools of ZnO Nanostructures offered by Nanotechnology for Sustainable Farming	2023	International Journal for Research in Applied Science and Engineering Technology
Yogesh Kumar, Poonam Jain, Pargin Bangotra, Vinod Kumar, D. V. Singh, and S. K. Rajouria	Role of time-varying magnetic field on QGP equation of state	2024	Advances in High Energy Physics

Minny Narang	Detecting Manipulations in Financial Statements of Indian Companies	2023	Corporate Governance Insight
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RESEARCH PROJECTS

Name of the PI	Title	Amount sanctioned (In Lakh Rupees)	Funding Agency	Date
Prof. Pramod Kumar	Environment and Sustainable Resource Management	20 per annum	Unnat Bharat Abhiyan, IIT Delhi, Ministry of Education, GOI	01-04-2022

SEMINAR/CONFERENCE PRESENTATIONS

- **Dr. Anil Kumar Mavi**, Assistant Professor, Department of Botany, presented a paper titled 'Advancements in Targeting MUC1 for Therapeutic Intervention in Asthma: A Comprehensive Exploration of FDA-Approved Drugs and Natural Compounds' at 'ICAAICON Jaipur' on January 6, 2024.
- **Ms. Ila Yadav**, Assistant Professor, Department of Commerce, presented a paper titled 'Live Streaming Commerce: Antecedents and Customer Engagement Perspective' at 'EBES, Rome' in 2023.
- **Ms. Kirti Yadav**, Assistant Professor, Department of Commerce, presented a paper titled 'Analysing the Impact of Personalized Content in Digital Marketing Strategies' at 'India's Role As A Global Business Superpower: Unleashing The Power Of The Indian Business Model' on March 13, 2024.
- **Dr. Neetu Dwivedi**, Assistant Professor, Department of Environmental Science, presented a paper titled 'Navigating the Applications of Artificial Intelligence (AI) in Climate Policies Pertaining to India' at 'Artificial Intelligence - Prospects & Challenges with Special Reference to Politics & Governance' on March 20-21, 2024.
- **Dr. Parul Jain**, Assistant Professor, Department of Economics, presented a paper titled 'Brick Kilns & Air Pollution: Evidence from India' at '28th Annual Conference of the European Association of Environmental and Resource Economists (Limassol Cyprus)' in 2023.
- **Dr. Poonam Jain**, Assistant Professor, Department of Physics, presented a paper titled 'A theoretical study of level spin in A=130 super deformed nuclei.' at '1st International conference on Emerging Trends in STEM & Health Agri Sciences for Sustainable Development' on March 12, 2024.
- **Dr. Shasta Gupta**, Assistant Professor, Department of Commerce, presented a paper titled 'Corporate Governance Predicting Bankruptcy: Analysis and Application on Adani Group Companies' at 'ICGS Conference 2023: Sustainable Corporate Governance (IE University, Madrid, Spain)' on October 21, 2023.
- **Dr. Shubhra Gupta**, Assistant Professor, Department of Electronics, presented a paper titled 'Modeling of ZrS₂/MOS₂ heterostructures for photovoltaic applications using SCAPS' at '28th International Conference on Nuclear Tracks and Radiation Measurements (28th ICNTRM-2023)' in 2023.
- **Ms. Silky Jain**, Assistant Professor, Department of Commerce, presented a paper titled 'Impact of stakeholders on the Corporate Social Responsibility Expenditure: An empirical Investigation' at 'Corporate Governance and Sustainable Development: Reflecting New Perspectives in Emerging Economies and Around the Globe' on September 16-17, 2023.
- **Ms. Sukriti Sobti**, Assistant Professor, Department of English, presented a paper titled 'Film-

making and Ecological Concerns: A Comparative Textual Reading of Popular Films Bhediya and Kantara' at 'International Conference on Sustainable Environments and Interspecies Ecologies: Literature, Creativity, Theory and Praxis' on September 29-30, 2023.

- In the current session more than 30 papers were presented at national and international seminar/conference by our faculty members. We have enlisted only 10 among them here.

CULTURAL SOCIETIES

MEHAK'24- THE ANNUAL CULTURAL FEST

Sri Aurobindo College hosted a vibrant two-day cultural festival on March 18-19, 2024, which saw a multitude of captivating activities unfold as students representing over 50 DU colleges and various regions of the country vied for prizes totaling 3 lakhs. The program commenced with the ceremonial lamp lighting by esteemed guests of honor, including Paramvir Chakra Yogendra Singh Yadav, Dean of Colleges, University of Delhi, Prof. Balaram Pani, renowned poet Mr. Dinesh Raghuvanshi, Chairman of the Governing Body, Prof. Rajesh Singh, and Treasurer of the Governing Body, Prof. Rupam Kapoor.

Principal of the college, Prof. Vipin Kumar Aggarwal warmly welcomed all the guests, expressing gratitude for their presence on this special occasion. He also commended the organizing committee for their diligent efforts in orchestrating the fest. Treasurer Rupam Kapoor and the Chairman Prof. Rajesh Singh, underscored the significance of such cultural events in providing a platform for students, also highlighting the successful conduct of permanent interviews as a testament to the college's commitment to holistic development.

The festival, convened by Prof. Vandna Bhalla, featured a variety of exciting college events, such as street plays, dance and singing competitions, painting, debate, quizzes, photography, filmmaking, sketching, and a fashion show. These activities allowed students to showcase their talents and creativity across various disciplines, fostering a spirit of camaraderie and cultural exchange within the college community.

The inaugural program was skillfully hosted by Ms. Sukriti Sobti and Dr. Neetu Dwivedi, who ensured a smooth and engaging start to the festivities. One of the highlights of the festival was Capt. Yogendra Singh Yadav's inspirational address. He regaled the audience with riveting tales of valour and bravery on the battlefield, leaving a lasting impact on all present. Additionally, Mr. Dinesh Raghuvanshi expressed his gratitude for being part of the event, emphasizing the intrinsic role of poetry in our lives.

The festival was high on entertainment quotient with musical performances by the acclaimed band IGNIA on Day 1 and popular singer Inder Chahal on Day 2. Both the performers ensured a thrilling experience for all attendees with their soulful numbers and infectious energy. The role of the Students' Union of the college in coordinating this entertainment factor for the college students cannot be overlooked.

In conclusion, Mehak 2024 was a resounding success, bringing together students, faculty, and esteemed guests in a celebration of creativity, talent, and cultural diversity. The event provided a platform for artistic expression and fostered a sense of community and unity among all participants.

3Ps- THE CREATIVE ARTS SOCIETY

- The flagship event of the Society, The Annual Art Exhibition, Aloha at Mehak showcased the talent and ingenuity of the society's members. This year's exhibition featured a diverse array of artworks, including paintings, sculptures, installations, and mixed-media pieces.
- The society organized several workshops and master classes throughout the year, covering a range of artistic disciplines.
- Many educational trips were organized ranging from visits to National Modern Art Gallery for studying the artworks of different eras where students did live sketching and photo walks