



महाविद्यालय अनुसंधान एवं नवाचार प्रकोष्ठ

College Research & Innovation Cell

शिवाजी कॉलेज (दिल्ली विश्वविद्यालय)

Shivaji College (University of Delhi)

नई दिल्ली - ११० ०२७

New Delhi - 110 027



Activities 2023-24

Members of College Research and Innovation Cell

- Dr. Prabuddh Kumar Mishra (Convener), Department of Geography
- Prof. Prabhawathi, Dept. of Botany
- Dr. Renu Baweja, Dept of Biochemistry
- Dr. Nidhi Tyagi, Department of Physics
- Dr. Abhijeet Mishra, Dept of Biochemistry
- Dr. Anshula Upadhyay, Department of Physics
- Dr. Devender Singh Meena, Department of Botany

Vision and Mission

Vision

To foster a culture of research, innovation, and academic excellence by empowering students and faculty to explore, discover, and contribute to knowledge creation and societal development through cutting-edge research, collaboration, sharing of knowledge, innovative practices, skills and creative solutions.

Mission

The main objective of the Cell is to nurture research culture among the faculty members and students by encouraging them to pursue research-based activities in newly emerging and challenging areas.

To cultivate a dynamic research environment that encourages interdisciplinary collaboration and nurtures curiosity, critical thinking, and creativity.

To provide mentorship and support for innovative research initiatives, guiding students and faculty in contributing impactful knowledge across diverse academic fields.

To bridge the gap between academic research and real-world applications, addressing societal, technological, and environmental challenges.

To create opportunities for partnerships with industries, academic institutions, and government bodies to enhance the scope and impact of research and innovation.

To facilitate and support the faculty to undertake research projects from various funding agencies.

Objectives

Objectives

Promote Research Culture: Encourage faculty and students to actively engage in research activities, fostering a strong research mindset within the college.

Facilitate Interdisciplinary Projects: Support and promote interdisciplinary research collaborations to address complex global and local issues through diverse academic perspectives.

Mentorship and Capacity Building: Provide training, workshops, and mentorship programs to enhance research skills, innovation practices, and professional development among faculty and students.

Innovation and Entrepreneurship: Nurture innovative ideas and entrepreneurial spirit by providing platforms, resources, and support for translating research into practical and commercial applications.

Establish Research Collaborations: Build partnerships with external institutions, industries, and organizations to leverage resources, knowledge, and expertise, promoting collaborative research efforts.

Encourage Publication and Dissemination: Support faculty and students in publishing their research findings in reputable journals, conferences, and other academic platforms, ensuring their work contributes to the global body of knowledge.

Fundraising and Grants: Identify and secure funding opportunities from various governmental and non-governmental agencies, supporting research projects and innovation-driven initiatives within the college.

Promote Ethical Research: Ensure that all research conducted under the Cell adheres to the highest ethical standards, fostering integrity and responsibility in academic work.

Intramural Research Project completed in 2023-24

S. No.	File No.	Principal Investigator/s	Title of Project	Student Details	Sanction Order Details and Date of Start (DOS)
1.	MRP/2022-2023/0001	Dr. Neena Khanna (Dept. of Chemistry) Dr. Parveen Gahlyan (Dept. of Chemistry)	Synthesis of rhodamine based chemosensors and their application in detection of toxic metal ions	1. Garv Gupta 2. Sakshi Bhardwaj 3. Yogita 4. Garv Gaur 5. Gunit Manaktala All from B.Sc (H) Chemistry	SH/Adm./2175/23 Dated 31/01/2023 DOS: 02/02/2023
2.	MRP/2022-2023/0002	1. Dr. Neetu Rani (Dept. of Mathematics)	'Mathematical Modelling for Volume Estimation of Guava (Psidium Guajava L.)'	1. Raghav Anand Nath 2. Vaibhav Bhatt 3. Sneha Bhatt 4. Shashvat Kumar Mishra 5. Ishita Mishra All from B. Sc. (H) Mathematics 6. Saloni B.Sc. (H) Botany 7. Nitesh Saini B. Sc. Physical Science with Computer Science 8. Sourabh Sharma B. Sc. (H) Physics	SH/Adm./2295/23 Dated 03/03/2023 DOS: 05/03/2023
3.	MRP/2022-2023/0003	1. Dr Kiran Bamel (Dept. of Botany) 2. Dr Seema Talwar (Dept. of Botany)	"Impact of Elevated Temperature on the Seed Germination of Medicinal plants (<i>Catharanthus roseus</i> and <i>Trigonella foenum-graecum</i>)"	1. Ankit (Roll No. 22/09005) B. Sc. (H) Botany 2. Tribeni (Roll No. 22/09022) B. Sc. (H) Botany 3. Palak (Roll No.22/23052) B.Sc. (Prog.) Life Sciences 4. Shorya (Roll No.22/23071) B.Sc. (Prog.) Life Sciences 5. Gautam (Roll No.22/23065) B.Sc. (Prog.) Life Sciences	SH/Adm./2296/23 Dated 03/03/2023 DOS: 05/03/2023

4.	MRP/2022-2023/0004	1. Dr Preeti Tiwari (Dept. of Geography) 2. Ms Ekta Raman (Dept. of Geography)	Impact Assessment of Swachh Bharat Mission in Raghbir Nagar	1. Sonia Borana (Roll No. 22/31050) B.A. (H) Geography 2. Maseera Siddiqui (Roll No. 22/31029) BA(H) Geography 3. Ayush Yadav B.A. (H) Geography 4. Ashish Kumar B.A. (H) Geography 5. Vedanshi Singh B.A. (H) Geography	SH/Adm./2297/23 Dated 03/03/2023 DOS: 05/03/2023
5.	MRP/2022-2023/0005	1. Dr Jayita Thakur (Dept. of Biochemistry) 2. Dr Usha Yadav (Dept. of Biochemistry)	Comparative analysis of the effects of dietary supplements on <i>Drosophila melanogaster</i>	1. Sayena Simron B.Sc. (H) Biochemistry (Roll No. 21/06055) 2. Sanjana Gupta B.Sc. (H) Biochemistry (Roll No. 21/06007) 3. Anusha B.Sc. (H) Biochemistry (Roll No. 21/06034) 4. Sahil Anand B.Sc. (H) Biochemistry (Roll No. 21/06031) 5. Shivangi Aggarwal B.Sc. (H) Biochemistry (Roll No. 21/06030) 6. Vandana B.Sc. (H) Biochemistry (Roll No. 21/06047) 7. Debdatta Chatterjee B.Sc. (H) Biochemistry (Roll No. 22/06009) 8. Khushi B.Sc. (H) Biochemistry (Roll No. 21/06051) 9. Ayush Sachan B.Sc. (H) Biochemistry (Roll No. 21/06015) 10. Tushar Gupta B.Sc. (H) Biochemistry IV Roll No. 22/06032	SH/Adm./2298/23 Dated 03/03/2023 DOS: 05/03/2023

6.	MRP/2022-2023/0006	1. Ms Nimita Kant (Dept. of Zoology) 2. Dr Jitendra Kr. Chaudhary (Dept. of Zoology)	Developing insights into stem cell therapeutic potential for hematological disorders based on analysis of National Institute of Health (NIH)'s clinical trials repertoire	1. Priya Roy (Roll No.21/22020) B.Sc. (H) Zoology 2. Akanksha (Roll No. 21/22021) B.Sc. (H) Zoology 3. Supriya Bhardwaj (Roll No. 21/22054) B.Sc. (H) Zoology 4. Lakshay Bhardwaj (Roll No. 21/22064) B.Sc. (H) Zoology 5. Priya Talwar (Roll No. 21/22069) B.Sc. (H) Zoology	SH/Adm./2299/23 Dated 03/03/2023 DOS: 05/03/2023
7.	MRP/2022-2023/0007	1. Dr Lalita Rana (Dept. of Geography) 2. Ms Rashmi Singh (Dept. of Geography)	Urban Sprawl Modelling & Commuting Pattern- Delhi Gurgaon Corridor: A Sustainable Growth	1. Inika Garg (Roll No. 22/31020) B.A. (H) Geography 2. Jhilmil Verma (Roll No. 22/31021) B.A. (H) Geography 3. Aneesh Tiwar (Roll No. 22/31011) B.A. (H) Geography 4. Nivedita Sharma (Roll No. 22/31033) B.A. (H) Geography 5. Dildar Ali (Roll No. 22/31017) B.A. (H) Geography 6. Kajal Chowdhary (Roll No. 22/31022) B.A. (H) Geography 7. Srishti Maini (Roll No. 22/31051) B.A. (H) Geography	SH/Adm./2300/23 Dated 03/03/2023 DOS: 05/03/2023



College Research and Innovation Cell

(NAAC Accredited with 'A' grade)

Shivaji College, University of Delhi

New Delhi-110027



CORDIALLY INVITES ALL TEACHERS AND STUDENTS TO ANNUAL FESTIVAL

SRIJAN 2024

Presentations of Research Findings of Minor Research Projects (2022-23)

Chief Guest

Prof. Tejbir Singh Rana

Coordinator, IQAC
Shivaji College
University of Delhi



Inauguration: 10:00 AM – 10:30 AM

MRP/2022-2023/0001 – 10:30 – 10:50 AM

MRP/2022-2023/0002 – 10:50 – 11:10 AM

MRP/2022-2023/0003 – 11:10 – 11:30 AM

MRP/2022-2023/0004 – 11:30 – 11:50 AM

MRP/2022-2023/0005 – 11:50 – 12:10 PM

MRP/2022-2023/0006 – 12:10 – 12:30 PM

MRP/2022-2023/0007 – 12:30 – 12:50 PM

Patron

Prof. Virender Bhardwaj

Principal
Shivaji College
University of Delhi



Date: 23 April, 2024



Time: 10:00 AM



Venue: Jijabai Auditorium

Organising Team

Prof. Prabhavathi, Dr Renu Baweja, Dr Abhijeet Mishra,
Dr Nidhi Tyagi, Ms. Anshula Upadhyay & Dr Devender Singh Meena

Dr Prabuddh Kumar Mishra
Convenor

Prof. Virender Bhardwaj
Principal

Srijan 2023-24



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