





NAAC ACCREDITED "A" GRADE COLLEGE

#### 6.4 Research-based Learning

## 6.4.1 Activities of Central Research and Innovation Cell: Srijan 2024

Annual presentation of Research Findings of Minor Research Projects 2022-23 at Srijan 2024 organised by College Research and Innovation Cell, Shivaji College on 23 April 2024 at Jijabai Auditorium. Chief Guest was Prof. Tejbir Singh Rana, Coordinator, IQAC and Patron and Principal Prof. Virender Bhardwaj graced the occasion.

#### Poster of the event









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# Attendance of Srijan 2024 held on 23 April 2024 at Jijabai Auditorium

"SRIJAN-2024," organized by the College Research and Innovation Cell (Date: 23,04/2024)  Shivaji College  Sr. Name of Faculty  Department  Signature  1. Post fresh existi  3. Mr. Nimba Kantt  Toology  9. Post 7. S. Rana.  4. Leep raphy  5. Direct Fervary  4. Leep raphy  6. Dr. Heina Khahra  6. Dr. Heina Khahra  6. Dr. Heina Khahra  10. De Suburta Sinkin Milhey  11. Dr. William Roma  12. Dr. Suburta Sinkin  13. Dr. Nielata Kan  14. Dr. Suburta Sinkin  15. Dr. Nielata Kan  16. Dr. Suburta Sinkin  17. Dr. Suburta Sinkin  18. Dr. Nielata Kan  19. Dr. Scena Talvace  19. Dr		Attendance	
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#### **6.4.2 Intramural Research Scheme**

# List of Research Projects sanctioned in January 2023 and continuing in 2023-24

		Minor Resear	camural Research So th Projects Sanction inal List for Certific	Year: 2022-2023	
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		Synthesis of rhodamine based chemosensors and their application in detection of toxic metal ions	1. Carv Gupta 2. Sakshi Bhardwaj 3. Yogita 4. Carv Gaur 5. Gunit Manaktala All from B.Sc (H) Chemistry	SH/Adm /2175/2 Dated 31/01/202 DOS: 02/02/202
2	MRP/2022 -2023/0002	1. Dr. Neetu Rani (Dept. of Mathematics)	'Mathematical Modelling for Volume Estimation of Guava (Psidium Guajava 1)	1. Raghav Anand Nath 2. Vaibhav Bhatt 3. Sneha Bhatt 4. Shashvat Kumar Mishra 5. Ishita Mishra All from B. Sc. (H) Mathematics 5. Saloni B.Sc. (H) Botany 7. Nitesis Saini B. Sc. Physical Science with Computer Science 8. Sourabh Sharma B. Sc. (H) Physics	5H/Adm./2295/2 Dated 03/03/202 DOS: 05/03/2023
		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 (Catharanthus roseus and Trigonell a foenum-graecum)*	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. Cautam (Roll No. 22/23065) B.Sc. (Prog.) Life Sciences	SH/Adm /2296/2 Dated 03/03/2023 DOS: 05/03/2023

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4.	MRP/2022	1. Dr Preeti Tiwari	Impact Assessment	1. Sonia Borana	SH/Adm./2297/2
	-2023/0004	(Dept. of Geography)	of Swachh Bharat	(Roll No. 22/31050)	Dated 03/03/202
		2. Ms Ekta Raman	Mission in	B.A. (H) Geography	
		(Dept. of	Raghubir Nagar	2. Maseera Siddiqui	DOS: 05/03/2023
		Geography)		(Roll No. 22/31029)	
				BA(H) Geography	
				3. Ayush Yadav	
				B.A. (H) Geography	
				4. Ashish Kumar	
				B.A. (H) Geography	
				5. Vedanshi Singh	
5/	MRP/2022	1. Dr Jayita Thakur	Comment	B.A. (H) Geography	Service 1211 Service 12
-	-2023/0005	(Dept. of	Comparative	Sayena Simron     B.Sc. (H) Biochemistry	SH/Adm./2298/2
		Biochemistry)	analysis of the effects of dietary	(Roll No. 21/06055)	Dated 03/03/202
		2. Dr Usha Yadav	supplements on	2. Sanjana Gupta	DOC MARKET
		(Dept. of	Drosophila	B.Sc. (H) Biochemistry	DOS: 05/03/2023
		Biochemistry)	melanogaster	(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)	
				Ayush Sachan     B.Sc. (H) Biochemistry	
				(Roll No. 21/06015)	
				10. Tushar Gupta	
				B.Sc. (H) Biochemistry	
				IV	
				Roll No. 22/06032	







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# **6.4.3 Extramural Research Projects**

# List of Projects in 2023-24

Name of Principal	Duration	Title	<b>Funding Agency</b>
Investigators  Dr. Sunita Singh, Department of Biochemistry, Shivaji College, University of Delhi, Raja Garden, New Delhi 110027 Co-Principal Investigator :Dr. Jayita Thakur, Department of Biochemistry, Shivaji College, University of Delhi, Raja Garden, New Delhi 110027	Three Years	Evaluation of Self Amplifying mRNA Mediated Enzyme Replacement Therapy for the Treatment of Phenylketonuria	Indian Council of Medical Research (ICMR)
Prof. Prabhavati Co-Principal Investigator: Dr Kiran Bamel and Dr Devender Singh Meena	2 Years (September 2022-2024)	Development of DNA Barcodes for Medicinal Plants used in Unani System of India	CCRUM, Ministry of Ayush, GoI, New Delhi
Prof. Deepika Yadav Co-Principal Investigator: Dr Nidhi Tyagi and Dr Rakesh Roshan	1 Year (2023- 24)	An Indigenous Study of Zootherapeutic practices and its Contemporary Status of Raji Tribe of Uttarakhand	Indian National Science Academy, New Delhi



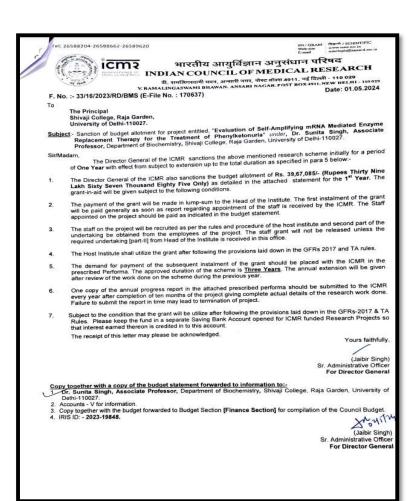




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## Project approval letter of Dr Sunita Singh





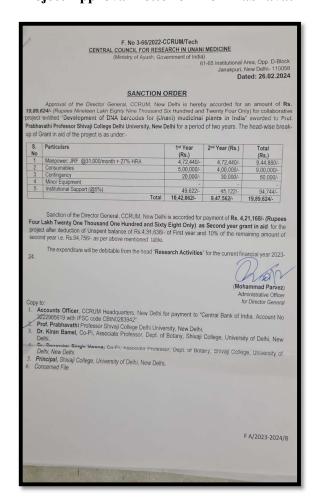




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## Project Approval Letter of Prof Prabhavathi









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## Project approval letter of Prof. Deepika Yadav

