

# Report of Department of Chemistry (2024-25)



**Mehr Chand Mahajan  
DAV College for Women  
Sector-36/A, Chandigarh**

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## Names of Programs/Courses/ offered

- B.Sc. (Medical)
- B.Sc. (Non-Medical)
- B.Sc. (Microbial Food Science and Technology)
- M.Sc. (Chemistry)

## Faculty Publications /Awards/Achievements/Activities

### Faculty Publications

- **Dr. Madhuri Tanaji Patil**, Desymmetrization of myo-inositol, Carbohydrate Research, April/2025, Online ISSN: 1873-426X Print ISSN: 0008-6215, Peer-Reviewed, Scopus Indexed
- **Dr. Madhuri Tanaji Patil**, Proficiency of pluronic based niosomes as an effective nano-carrier for the formulation of toll-like receptor-7/8 agonists, Journal of Drug Delivery Science and Technology, January/2025, Online ISSN: 2588-8943, Print ISSN: 1773-2247, Peer-Reviewed, Scopus Indexed
- **Dr. Aanchal Batra**, Synthesis of Heteroatom-Containing Organic Molecules via Intramolecular Cross-Dehydrogenative Coupling, European Journal of Organic Chemistry, **March/2025**, 1099-0690. Peer-Reviewed, Scopus Indexed
- **Dr. Manjot Kaur**, Ssynthesis of Heteroatom-Containing Organic Molecules via Intramolecular Cross-Dehydrogenative Coupling, European Journal of Organic Chemistry, **March/2025**, 1099-0690. Peer-Reviewed, Scopus Indexed.
- **Dr. Swatika Sharma and Dr. Yesbinder Kaur: Book Chapter Name:** Photocatalytic degradation of pesticides and Neonicotinoids, Book Name: Neonicotinoids in the Environment: Emerging Concerns to the Human Health and Biodiversity, 2024, Springer Nature Switzerland, International.
- **Dr. Yesbinder Kaur: Book Chapter Name:** Role of Chemical Sciences in Sustainable Development in India, Book name: Role of Science and Technology for Sustainable, 2024, Springer Nature Singapore, International, 978-981-97-0709-6

## Departmental Activities

- 30 hours program on Instrumentation, Relevance in Modern Science and Technology, Seminar on ‘The Science of seeing small: High Resolution Imaging and Spectroscopy’, Characterization and Applications of nanostructures, Fundamentals, Instrumentation and Applications of UV, IR, NMR Spectroscopy on 24-28<sup>th</sup> Feb 2025.

**Resource Persons:** Dr. Moondeep Chauhan, Assistant Professor cum scientist in instrumentation facility at the Amity University, and Prof. (Dr.) Ganga Ram Chaudhary, Chairman, Department of Chemistry, Panjab University, Chandigarh. **Co-ordinators:** Dr. Rishu, Dr. Aanchal Batra, Dr. Nisha Dawra, Dr. Swatika Sharma.

- Visit to Pushpa Gujral Science City, Kapurthala on 18<sup>th</sup> Jan 2025.

## Training Programs attended by Faculty

Name of faculty	Orientation/Refresher/FDP	Title of the programmed	Organizing agency	Duration	From-To
Dr. Qudrat Hundal	FDP	NEP 2020 Orientation & Sensitization Programme	MMTTC Ramanujan College Delhi	10 days	12-12-24 to 23-12-24
Dr. Madhuri Tanaji Patil	FDP	NEP 2020 Orientation & Sensitization Programme	MMTTC Ramanujan College Delhi	10 days	18-12-24 to 28-12-24

### Students Publications /Awards/Achievements/Activities:

Name and Class	Name of the Award/Project/Position	Name of the Agency/University	Month/Year
Deepika Bansal, M.Sc. Chemistry, 2024, 1 <sup>st</sup> Sem, Dec 2024,	3 <sup>rd</sup> position in PU Examination, 2024, Panjab University.	MCM DAV College	December 2024
Prerna M.Sc. Chemistry, 2024, 1 <sup>st</sup> Sem, Dec 2024,	4 <sup>th</sup> position in PU Examination, 2024, Panjab University.	MCM DAV College	December 2024
Jasleen Kaur Bsc 3rd year non medical	1 <sup>st</sup> position in poster presentation at international conference on emerging trends in green energy and environment sustainability, CGC Landran	MCM DAV College	26 <sup>th</sup> -27th September 2024
Janvi Bsc 3rd year non medical	1 <sup>st</sup> position in poster presentation at international conference on emerging trends in green energy and environment sustainability, CGC Landran	MCM DAV College	26 <sup>th</sup> -27th September 2024

### Student Research Activities: List of Summer/Winter projects

S.No.	Name of the student	Name of the Supervisor and institution	Topic of project
1.	Anushka Pandey	Professor(Dr) Gaurav Manik, from IIT ROORKEE (Saharanpur campus)	Nanomaterials synthesis and characterization by Chemical Vapor Decomposition

## Student Participation in Inter-college Competitions

S.No	Name of the students	Event	Institute	Position
1.	Roopamdeep Kaur Paul	Power point presentation	SD College, sector 32	3rd
2.	Roopamdeep Kaur Paul	Poster making competition	Government Girls college sector sec 11	Consolation
3.	Roopamdeep Kaur Paul	PowerPoint presentation	MCM DAV COLLEGE SECTOR 36A CHANDIGARH	1st
4.	Jayanti Garg	Poster making competition	Post graduate government college for girls sector-11, Chandigarh	First
5.	Jayanti garg	Poster making competition	Dev Samaj College for girls, sector 45B	Second
6.	Ashmita	Quiz Competition Mathemagica 2025	MCM DAV COLLEGE SECTOR 36A CHANDIGARH	1st
7.	Navkiran Chouhan	Inter college physics Quiz, inter college nasha mukt bharat quiz, youth festival quiz	MCM DAV COLLEGE SECTOR 36A CHANDIGARH	2nd, 1st, 2nd
8.	Navkiran Chouhan	Inter college physics Quiz	MCM DAV COLLEGE SECTOR 36A CHANDIGARH	2nd
9.	Navkiran Chouhan	Inter college nasha mukt bharat quiz	MCM DAV COLLEGE SECTOR 36A CHANDIGARH	1st

10.	Navkiran Chouhan	Youth festival quiz	PANJAB UNIVERSITY	2nd
11.	Navkiran Chouhan	Inter college maths quiz	MCM DAV COLLEGE SECTOR 36A CHANDIGARH	2nd
12.	Navkiran Chouhan	Inter college science quiz	MCM DAV COLLEGE SECTOR 36A CHANDIGARH	2nd
13.	Jasleen Kaur	Inter college maths quiz	MCM DAV COLLEGE SECTOR 36A CHANDIGARH	4th
14.	Jasleen Kaur	Inter college Physics Quiz	MCM DAV COLLEGE SECTOR 36A CHANDIGARH	2nd
15.	Utkarsh kaur bedi	Inter college physics quiz	MCM DAV COLLEGE SECTOR 36A CHANDIGARH	2nd
16.	Utkarsh kaur bedi	Inter college maths quiz	MCM DAV COLLEGE SECTOR 36A CHANDIGARH	4th
17.	Riya	Eureka fest	MCM DAV COLLEGE SECTOR 36A CHANDIGARH	Participation and volunteer
18.	DIYA SINGH OMTA	Power point presentation ,Speech competition, Declamations, science fiction jagriti ,innovative physics model	MCM DAV COLLEGE SECTOR 36-A CHANDIGARH	First positions, third positions and participation
19.	Neha Kumari	Science day	GGSD college sector 32-C Chandigarh	2 <sup>nd</sup>

**Name of the students who have cleared national and state competitive examinations such as NET, SLET, GATE, UPSC, CDS, etc.**

<b>Name of the Student</b>	<b>Examination passed</b>	<b>Conducting Organization</b>	<b>Year</b>
Vanshika	CTET	CBSE	2024
Kirti	GATE	IIT	2025
Navkiran Chouhan	CDS	UPSC	2024
Navkiran Chouhan	AFCAT	CDAC (IAF)	2024, 2025
Utkarsh kaur bedi	AFCAT	CDAC	2024

<b>S. No.</b>	<b>Name of award for sports/cultural at state, National/International Level (2024-25)</b>	<b>Sports/Cultural</b>	<b>Name of Student</b>
1.	Bronze	Sports: Table tennis, Panjab University	Vishakha
2.	Second prize	Cultural: Quiz, Zonal and Youth heritage festival	Kanvi, Prachi