

Report of Department of Food Science (2024-25)



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

www.mcmdavcw-chd.edu
0172- 2603355, 0172- 2624921

1. **Name of the Department:** Department of Food Science
2. **Year of Establishment:** 2005
3. **Names of Programs/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters etc.)**

COURSE	SUBJECT
Undergraduate Degree Course [BSc./BSc.(Hons)/BSc (Hons with Research)* in Microbial & Food Technology]	Microbial and Food Technology
Diploma (1 Year)	Microbial Analysis and Food Safety

4. Number of Teaching Posts:

Permanent	
Associate Professors	00
Assistant Professors	03
Contractual	
Assistant Professors	04

5. Faculty profile with name, qualification, designation, specialization (D.Sc. /D.Litt. /Ph.D. /M.Phil. etc.)

S. No.	Name	Designation	Qualification	Specialization	Experience
1.	Dr. Geeta Mehra	Assistant Professor	Ph.D.	Food Technology	20 years
2.	Dr. Vandana Sharma	Assistant Professor	Ph.D.	Microbiology	25 years
3.	Dr. Sandeep Kaur	Assistant Professor	Ph.D.	Microbiology	9 years 8 months
4.	Dr. Gurpreet Kaur	Assistant Professor (Contractual)	Ph.D.	Food Technology	11 years
5.	Dr. Deepika Malik	Assistant Professor (Contractual)	Ph.D.	Microbiology	5 years
6.	Dr. Anila Kumari	Assistant Professor (Contractual)	M.Phil. & Ph.D.	Food Biotechnology	7 years
7.	Dr. Kirti Singla	Assistant Professor (Contractual)	Ph.D.	Food Technology	4 years

6. Student- Teacher Ratio (Program wise):

Class	Student - Teacher Ratio Theory	Student - Teacher Ratio Practical
BSc. (MFT) I	30:1	21:1
BSc. (MFT) II	33:1	20:1
BSc. (MFT) III	30:1	17:1
Diploma in Microbial Analysis and Food Safety	13:1	13:1

7. Research Centre/facility recognized by the University: Nil

8. Number of Faculty with on-going projects: NIL

Title of Project	Faculties	Amount Sanctioned; Year	Funding agency	Time
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9. Details of Orientation Programme/Refresher Courses/FDPs/ Short Term Courses/Workshops/Webinar/Seminars etc. attended by the Faculty in the session: (Hard Copies of the Certificates to be maintained by the HODs)

Name of Faculty	Seminars/ Conferences/ Symposia/ Workshops Attended	Title of the Programme	Organizing Agency	Date
Dr Vandana Sharma	Bridge Course	Six Days Online Summer Bridge Course On “Life Threatening Microbial Pathogens and Vaccinology”	Mehr Chand Mahajan DAV College for Women, Chandigarh	03rd June 2024 to 8th June 2024
Dr Vandana Sharma	International Conference	7 th International Conference on Advances in Agriculture technology and Allied Sciences	Society of Agricultural Research and Social Development, The Neotia University (West Bengal, India), and Southern Federal University (Rostov-on-Don, Russia).	15-16 Sep 2024
Dr Vandana Sharma	Workshop	Two days hands on training workshop on “Detection and Characterization of Antibiotic Resistance in Soil, Food and Water”	MCM Vigyan Manch funded by Department of Science and Technology and Renewable Energy, Chandigarh Administration.	21 March 2025 – 22 March 2025
Dr Vandana Sharma	National level Workshop	Three Days National Workshop and Hands-on Training on “Environmental Monitoring and Remediation: Practical Approach to Environmental Pollutants”	MCM Vigyan Manch funded by Department of Science and Technology and Renewable Energy, Chandigarh Administration.	25 March 2025 – 27 March 2025
Dr Vandana Sharma	International Conference	Two days International Conference “Harnessing the Power of Microbes for Viksit Bharat”	Department of Microbiology, Panjab University, Chd	18-19 March 2025

Dr Sandeep Kaur	Bridge Course	Six Days Online Summer Bridge Course On “Life Threatening Microbial Pathogens and Vaccinology”	Mehr Chand Mahajan DAV College for Women, Chandigarh	03rd June 2024 to 08th June 2024
Dr Sandeep Kaur	International Conference	7 th International Conference on Advances in Agriculture technology and Allied Sciences	Society of Agricultural Research and Social Development, The Neotia University (West Bengal, India), and Southern Federal University (Rostov-on-Don, Russia).	15-16 Sep 2024
Dr Sandeep Kaur	Workshop	Two days hands on training workshop on “Detection and Characterization of Antibiotic Resistance in Soil, Food and Water”	MCM Vigyan Manch funded by Department of Science and Technology and Renewable Energy, Chandigarh Administration.	21 March 2025 – 22 March 2025
Dr Sandeep Kaur	National level Workshop	Three Days National Workshop and Hands-on Training on “Environmental Monitoring and Remediation: Practical Approach to Environmental Pollutants”	MCM Vigyan Manch funded by Department of Science and Technology and Renewable Energy, Chandigarh Administration.	25 March 2025 – 27 March 2025
Dr Sandeep Kaur	International Conference	Two days International Conference “Harnessing the Power of Microbes for Viksit Bharat”	Department of Microbiology, Panjab University, Chd	18-19 March 2025

10. Faculty as members in:

a) International/National committees:

Name and Designation of the Faculty	Membership of Professional Bodies, International/National committees
Dr. Geeta Mehra	<ul style="list-style-type: none"> Member of Punjab Science Congress, Patiala Full Member of Association of Food Scientists and Technologists (AFSTI), India Member of Dairy Technology Society of India, NDRI, Karnal, India Member of Association of Microbiologists of India (AMI).
Dr. Vandana Sharma	<p>Life membership of following societies:</p> <ul style="list-style-type: none"> Life Member and Coordinator of Chandigarh Unit of Microbiologists Society, India (LM301). Executive member of Association of Microbiologists of India (AMI) Life member of Punjab Academy of Sciences.
Dr. Sandeep Kaur	<p>Life membership of following societies:</p> <ul style="list-style-type: none"> Society for Bacteriophage Research and Therapy (SBRT)- SBRTLM00036 Institute of Scholars Society, India [InSc2019875] Microbiologists Society, India [LM301] American Society for Microbiology
Dr. Anila Kumari	<ul style="list-style-type: none"> Member of Swedish South Asian Network on Fermented Foods (SASNET) Since Oct, 2021 [SASNET-FF/OM/272] Life Membership of Association of Biotechnologist of Himachal Pradesh (ABHI)
Dr. Kirti Singla	<ul style="list-style-type: none"> Member of Swedish South Asian Network on Fermented Foods (SASNET- Fermented Foods) SASNET-FF/OM/273

b) Editorial Boards/University Bodies:

Faculty Name	Editorial Boards/University Bodies
Dr. Geeta Mehra	Member of Board of Studies of M.Sc. Food Technology, B. Voc. Food Processing, Certificate course in Bakery Technology, Mata Gujari College Fatehgarh Sahib.
	Member of Post Graduate Board of Studies for M.Sc. Environment Science and Solid waste Management
	Member of Board of Studies of UG Board of Studies in Bioinformatics, Panjab University, Chandigarh
Dr. Vandana Sharma	As member of the Undergraduate Board of Studies in Microbiology, Panjab University, Chandigarh (2017 onwards till date).
Dr. Sandeep Kaur	<ul style="list-style-type: none"> ● BMC-Musculoskeletal Disorders, Oct 2020 till date [Scopus indexed, Web of Science indexed] ● The Open Microbiology Journal- Bentham Open from 2019-2022. [Scopus Indexed] ● Guest Editor - Frontiers Cellular and Infection Microbiology [Scopus indexed, Web of Science indexed] for Research Topic titled “Current and Future Interventions in Management of Orthopedic Device Related Infections” till date.
	<ul style="list-style-type: none"> ● Academic Editorial Board member of Canadian Journal of Infectious Diseases and Medical Microbiology from 2021 onwards ● Associate Editor for the prestigious journal : Frontiers in Microbiology (Impact factor- 5.6) since 01 July 2022 onwards till date

c) Research Paper Reviewers in National/International Journals:

Faculty	Journal (Title and ISSN No.) /Society/Board of Studies	As Reviewer/Academic Editor
Dr. Geeta Mehra	Journal of Food Science and Technology	Peer-Reviewer
Dr Sandeep Kaur	Frontiers in Microbiology (ISSN No: 1664-302X)	Peer-Reviewer
	BMC Microbiology	Peer-Reviewer
Dr. Deepika Malik	International Journal “Royal Society of Chemistry” Impact factor of Food & Function (5.396)	Peer-Reviewer
Dr. Anila Kumari	Biologia Futura ISSN 2676-8607 (Online)	Peer-Reviewer

11. Awards/ Recognitions Received by Faculty:

Faculty Name	Award Details/Recognitions	Agency/Institute	Year
Dr Vandana Sharma	Recognized as Nodal Officer and Resource person for organizing Six Days Online Summer Bridge Course on “Life Threatening Microbial Pathogens and Vaccinology” (Understanding Disease Prevention and Therapy)	Mehr Chand Mahajan DAV College for Women, Chandigarh in association with Microbiologists Society of India (MBSI), Chandigarh Unit	June 2024
Dr Vandana Sharma	Proposed and Successfully secured a funding of Rs 7000 for the department for conducting Two days hands on training workshop on “Detection and Characterization of Antibiotic Resistance in Soil, Food and Water” under MCM Vigyan Manch	Department of Science and Technology and - Renewable Energy, Chandigarh Administration (U.T)	21 March 2025 – 22 nd March 2025
Dr Vandana Sharma	Proposed and Successfully secured a funding of Rs 1,16,337 for the department for conducting Three Days National Workshop and Hands-on Training on “Environmental Monitoring and Remediation: Practical Approach to Environmental Pollutants” under MCM Vigyan Manch	Department of Science and Technology and - Renewable Energy, Chandigarh Administration (U.T)	25 March 2025 – 27 March 2025
Dr Vandana Sharma	Recognized as College level coordinator cum Mentor for successfully mentoring and guiding 32 MFT students for participation in 7Th International Conference on Advances in Agriculture technology and Allied Sciences	7th International Conference on Advances in Agriculture technology and Allied Sciences funded by ICAR	15-16 Sep 2024
Dr Vandana Sharma	Recognized as Coordinator and Resource person in organizing Two days hands on training workshop on “Detection and Characterization of Antibiotic Resistance in Soil, Food and Water”	MCM Vigyan Manch under the aegis of Department of Science and Technology and - Renewable Energy, Chandigarh Administration (U.T)	21 March 2025 – 22 March 2025
Dr Vandana Sharma	Recognized as Coordinator in organizing Three Days National Workshop and Hands-on Training on “Environmental Monitoring and Remediation: Practical Approach to Environmental Pollutants” under MCM Vigyan Manch	MCM Vigyan Manch under the aegis of Department of Science and Technology and - Renewable Energy, Chandigarh Administration (U.T)	25 March 2025 – 27 March 2025

Dr Vandana Sharma	Recognized as Coordinator for organizing On-the-Spot Poster making Inter college competition on account of National Science Day Celebrations (MCM Vigyan Manch)	Department of Science and Technology and Renewable Energy, Chandigarh Administration, Chandigarh (U.T)	28 Feb 2025
Dr Sandeep Kaur	Proposed and Successfully secured a funding of Rs 7000 for the department for conducting Two days hands on training workshop on “Detection and Characterization of Antibiotic Resistance in Soil, Food and Water” under MCM Vigyan Manch	Department of Science and Technology and - Renewable Energy, Chandigarh Administration (U.T)	21 March 2025 – 22 nd March 2025
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Dr Sandeep Kaur	Recognized as Coordinator and Resource person for organizing Six Days Online Summer Bridge Course on “Life Threatening Microbial Pathogens and Vaccinology” (Understanding Disease Prevention and Therapy)	Mehr Chand Mahajan DAV College for Women, Chandigarh in association with Microbiologists Society of India (MBSI), Chandigarh Unit	June 2024

Dr Sandeep Kaur	Recognized as College level co-ordinator cum Mentor for successfully mentoring and guiding 32 MFT students for participation in 7Th International Conference on Advances in Agriculture technology and Allied Sciences	7th International Conference on Advances in Agriculture technology and Allied Sciences funded by ICAR	15-16 Sep 2024
Dr Sandeep Kaur	Received Certificate acknowledging my role as Editor and as the Editorial Board of Canadian Journal of Infectious Diseases and Medical Microbiology by Wiley Research Publications for 2024-25.	Canadian Journal of Infectious Diseases and Medical Microbiology by Wiley Research Publications, USA.	Received Dec 2024
Dr Sandeep Kaur	Received Certificate of Participation and acknowledgment from “American Society of Microbiology [Subcommittee on Minority Education] for active active participation and contribution to the ASM Future Leaders Mentorship Fellowship (FLMF) held from May 2023 – April 2025	American Society of Microbiology (ASM), USA	Received on 01 st June 2025
Dr Gurpreet Kaur	Recognized as Coordinator and Resource person in organizing Two days hands on training workshop on “Detection and Characterization of Antibiotic Resistance in Soil, Food and Water”	MCM Vigyan Manch under the aegis of Department of Science and Technology and - Renewable Energy, Chandigarh Administration (U.T)	21 March 2025 – 22 March 2025
Dr Gurpreet Kaur	Recognized as Coordinator in organizing Three Days National Workshop and Hands-on Training on “Environmental Monitoring and Remediation: Practical Approach to Environmental Pollutants” under MCM Vigyan Manch	MCM Vigyan Manch under the aegis of Department of Science and Technology and - Renewable Energy, Chandigarh Administration (U.T)	25 March 2025 – 27 March 2025
Dr Gurpreet Kaur	Recognized as Coordinator for organizing On-the-Spot Poster making Inter college competition on account of National Science Day Celebrations (MCM Vigyan Manch)	Department of Science and Technology and Renewable Energy, Chandigarh Administration, Chandigarh (U.T)	28 Feb 2025
Dr Kirti Singla	Recognized as Coordinator and Resource person for organizing Six Days Online Summer Bridge Course on “Life Threatening Microbial Pathogens and Vaccinology” (Understanding Disease Prevention and Therapy)	Mehr Chand Mahajan DAV College for Women, Chandigarh in association with Microbiologists Society of India (MBSI), Chandigarh Unit	June 2024
Dr Deepika Malik	Recognized as Coordinator and Resource person for organizing Six Days Online Summer Bridge Course on “Life Threatening Microbial Pathogens and Vaccinology” (Understanding Disease Prevention and Therapy)	Mehr Chand Mahajan DAV College for Women, Chandigarh in association with Microbiologists Society of India (MBSI), Chandigarh Unit	June 2024

Dr Deepika Malik	Recognized as Coordinator for organizing On-the-Spot Poster making Inter college competition on account of National Science Day Celebrations (MCM Vigyan Manch)	Department of Science and Technology and Renewable Energy, Chandigarh Administration, Chandigarh (U.T)	28 Feb 2025
Dr Kirti Singla	Recognized as Coordinator for organizing On-the-Spot Poster making Inter college competition on account of National Science Day Celebrations (MCM Vigyan Manch)	Department of Science and Technology and Renewable Energy, Chandigarh Administration, Chandigarh (U.T)	28 Feb 2025
Dr Kirti Singla	Recognized as Coordinator in organizing Two days hands on training workshop on “Detection and Characterization of Antibiotic Resistance in Soil, Food and Water”	MCM Vigyan Manch under the aegis of Department of Science and Technology and - Renewable Energy, Chandigarh Administration (U.T)	21 March 2025 – 22 March 2025
Dr Kirti Singla	Recognized as Coordinator in organizing Three Days National Workshop and Hands-on Training on “Environmental Monitoring and Remediation: Practical Approach to Environmental Pollutants” under MCM Vigyan Manch	MCM Vigyan Manch under the aegis of Department of Science and Technology and - Renewable Energy, Chandigarh Administration (U.T)	25 March 2025 – 27 March 2025
Dr Anila	Recognized as Coordinator in organizing Three Days National Workshop and Hands-on Training on “Environmental Monitoring and Remediation: Practical Approach to Environmental Pollutants” under MCM Vigyan Manch	MCM Vigyan Manch under the aegis of Department of Science and Technology and - Renewable Energy, Chandigarh Administration (U.T)	25 March 2025 – 27 March 2025
Dr Anila	Recognized as Coordinator and Resource person in organizing Two days hands on training workshop on “Detection and Characterization of Antibiotic Resistance in Soil, Food and Water”	MCM Vigyan Manch under the aegis of Department of Science and Technology and - Renewable Energy, Chandigarh Administration (U.T)	21 March 2025 – 22 March 2025
Dr Anila	Recognized as Coordinator for organizing On-the-Spot Poster making Inter college competition on account of National Science Day Celebrations (MCM Vigyan Manch)	Department of Science and Technology and Renewable Energy, Chandigarh Administration, Chandigarh (U.T)	28 Feb 2025

12. List of Eminent Academicians and Scientists delivered Offline/Online Lectures to the Department:

S. No.	Speaker's Name	Title of the Lecture	Date
1.	Dr. Naveen Gupta , Professor, Chairperson, Department of Microbiology, Panajab Univeristy	Lecture on “Environmental Monitoring and Remediation: Practical Approach to Environmental Pollutants”	25 March 2025 – 27 March 2025
2.	Ms. Kumud, Ms.Richa. Ms. Anupamam Sharma and Ms.Aditi [Ph.D Research Schoalrs]	Lecture-and hands on Training on “Detection of Soil and Water Pollutants “	25 March 2025 – 27 March 2025

STUDENTS ENRICHMENT PROGRAMMES ORGANIZED BY THE DEPARTMENT

13. Skill-based Workshops/Extension Lectures/Panel Discussions organized by the Department in the session:

Title of the Workshop/ Extension Lectures/Panel Discussions	Date	Objectives	No.of Beneficiaries	Name/Designation/ Organization of Resource Person/s
Six Days [30 hrs] Online Summer Bridge Course on “Life Threatening Microbial Pathogens and Vaccinology” (Understanding Disease Prevention and Therapy)	03 June 2024 - 08 June 2024	<ul style="list-style-type: none"> ● To apprise students of the role of microbial pathogens in causing infectious diseases, understanding disease prevention and treatment interventions available. ● To provide deep knowledge on fundamental as well as advanced diagnostic techniques used. ● To impart the students about the key concept and basis of vaccine, recent trends and advances made in the field of vaccines. 	21	Dr. Vandana Sharma, Dr. Sandeep Kaur and Dr. Deepika Malik (Assistant Professors, Department of Microbial and Food technology, Mehr Chand Mahajan DAV College for Women, Chandigarh)

<p>32 students of BSc (MFT) II and III year were mentored for presenting their research work and review papers (poster and oral) in 7th International Conference on Advances in Agriculture technology and Allied Sciences</p>	<p>15-16 Sep 2024</p>	<ul style="list-style-type: none"> ● To present research work done in the areas of environment sustainability, waste management practices, water bio-remediation at an international platform. ● To trigger the thought process of the students in a positive way to bring up new ideas and sensitize them towards the relevant themes related to waste mitigation. ● To strengthen the concept of the important role of microorganism being played in degrading the solid biodegradable waste. ● To provide an opportunity to students, research scholars and faculty to interact with eminent scientists and discuss their recent developments in the area of environment sustainability and waste management. 	<p>32</p>	<p>NA</p>
<p>On-the-Spot Poster making Inter college competition on account of National Science Day Celebrations (MCM Vigyan Manch) funded by Department of Science and Technology and Renewable Energy, Chandigarh Administration, Chandigarh (U.T)</p>	<p>28 Feb 2025</p>	<ul style="list-style-type: none"> ● To inspire students to creatively express their vision of Viksit Bharat through handmade posters, showcasing the pivotal role of science and technology in national progress. ● To enhance students understanding of how scientific advancements and technological innovations for development and future growth. ● To cultivate critical and creative thinking skills by encouraging students to explore scientific solutions to real-world challenges. 	<p>81</p>	<p>NA</p>
<p>13 students of BSc (MFT) III year participated and presented their research and review</p>	<p>18-19 March 2025</p>	<ul style="list-style-type: none"> ● To enhance scientific communication skills by presenting original microbiological research 	<p>13</p>	<ul style="list-style-type: none"> ● Prof RC Kuhad; the former Vice Chancellor of Central

<p>papers (poster and oral) in International Conference “Harnessing the Power of Microbes for Viksit Bharat</p>		<p>findings to an international audience, fostering the ability to articulate complex ideas clearly and confidently.</p> <ul style="list-style-type: none"> ● To gain constructive feedback and insights from global experts, peers, and academicians, promoting academic growth, research refinement, and collaborative opportunities. ● To explore interdisciplinary applications of microbial research and understand current global trends in microbial biotechnology, sustainability, health, and environmental innovations. 		<p>University of Haryana.</p> <ul style="list-style-type: none"> ● Prof. Gunjan Goel; Department of Microbiology, Central University of Haryana ● Prof. Manish Kumar, Delhi University, South campus. ● Prof Neeraj K Agarwal ; Professor & Chairman Department of Microbiology, Kurukshetra University
<p>Two days hands on training workshop on “Detection and Characterization of Antibiotic Resistance in Soil, Food and Water” under MCM Vigyan Manch funded by Department of Science and Technology and Renewable Energy, Chandigarh</p>	<p>21 March 2025 – 22 March 2025</p>	<ul style="list-style-type: none"> ● To equip students with fundamental and advanced techniques in detecting and characterizing antibiotic resistance in environmental samples. ● <input type="checkbox"/> To make the students gain theoretical insights into the concept of antibiotic resistance: understand the sources, mechanisms, and implications of antibiotic resistance in environmental matrices. ● <input type="checkbox"/> To develop practical skills, learn laboratory techniques such as sample processing, bacterial isolation, antibiotic susceptibility testing, and molecular methods for resistance gene detection. 	<p>25</p>	<p>Dr. Vandana Sharma; Dr. Sandeep Kaur, Dr. Gurpreet Kaur, Dr. Anila [Assistant Professors, Department of Microbial and Food technology, Mehr Chand Mahajan DAV College for Women, Chandigarh].</p>

		<ul style="list-style-type: none"> ● <input type="checkbox"/> To enhance research competencies of the participants, the skill of data analysis, making tables, charts and how to interpret data to assess antibiotic resistance patterns. ● To foster discussions on strategies for monitoring and mitigating the spread of antibiotic resistance in the environment thus enhancing critical thinking abilities of the students. ● To promote interdisciplinary learning and engage in collaborative learning experiences that integrate microbiology, environmental science, and public health. 		
Three Days National Workshop and Hands-on Training on “Environmental Monitoring and Remediation: Practical Approach to Environmental Pollutants” under MCM Vigyan Manch	25 March 2025 – 27 March 2025	<ul style="list-style-type: none"> ● To educate the participants about various types of pollutants, their sources, and their impact on the environment and public health. ● <input type="checkbox"/> To provide Hands-on Training in different monitoring Techniques and analytical methods for detecting pollutants in air, water, and soil. ● <input type="checkbox"/> To apprise the students about exploring new remediation Technologies including bio-remediation, phytoremediation, chemical treatments, and advanced oxidation processes. ● <input type="checkbox"/> To train the participants in data collection, analysis, and risk assessment methodologies to facilitate informed decision-making. ● <input type="checkbox"/> To promote interdisciplinary learning and engage in collaborative learning experiences that ● integrate microbiology, environmental science, and public health. 	32	Dr.Naveen Gupta , Professor, Chairperson, Department of Microbiology, Panajab Univeristy; Ph.D Research Scholars : Ms.Kumud, Ms.Richa. Ms.Anupamam Sharma and Ms.Aditi

Engaging students in online Distance 56 hour learning course titled “General Course on Intellectual Property DL-101” certified by World Intellectual Property Organization (WIPO), Geneva.	08 Feb 2025 to 25 March 2025	<ul style="list-style-type: none"> ● To hone the skills and build knowledge bank of young minds in the dynamic field of Intellectual Property (IP) and IPR with special reference to patents and their significant role in promoting science, technology and innovative thinking . ● <input type="checkbox"/> To skill the students and provide them with more in-depth view of the fundamentals of Intellectual Property (IP) law and specific areas of IP law from specially designed WIPO certified courses. 	30	NA
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(Note : Glimpses of pictures of above activities is shared as attached in Annexure -I ; end of this report]

1. Projects/ Awards/Positions bagged by Students:

S. No	Name of Student	Class	Position Bagged	Event Title	Dates	Organizing Institute/College/University
1	Khushi Singla	MFT-II	Third	Secured third position in Academics	2024-25	MCM DAV College for Women, Sector 36, Chandigarh
2	Yashika	MFT-II	Second	Ist Semester exam	2024-25	MCM DAV College for Women, Sector 36, Chandigarh
3	Kanan Mittal	MFT-II	Second	International conference on Harnessing the power of microbes for viksit bharaat	18-19 March,2025	Dept of Microbiology, Panjab University
4	Hridhi Sharma	MFT-II	Third	7th international conference on advances in agriculture technology and allied sciences	15-16th September 2024	By Neotia University West Bengal and Southern Federal University New Delhi

5	Shreya Verma	MFT-II	Second	One day Awareness program on Antimicrobial Resistance - The silent pandemic	24 Jan, 2025	Dept of Microbiology, Panjab University
6	Kirandeep	MFT-III	Second	International conference on Harnessing the power of microbes for viksit bhara	18-19 March,2025	Dept of Microbiology, Panjab University
7	Avnoor Kaur	MFT-I	participation certificate	Youth festival (gidha)	24th October,2024	Panjab University , CHD
8	Anviksha Bhardwaj	MFT-II	Third	International Conference Harvesting the power of microbes for Vikshit Bharat	18th March 2025	Punjab University
9	Vanshika	MFT-III	First	International Conference on Microbial Research	45734	Department of Microbiology, Panjab University
10	Harshia Goyal	MFT-II	Second	International Conference on Harnessing the Power of Microbes for Viksit Bharat	18th and 19th March 2025	Punjab University
11	Pragati	MFT-II	Second	Second position in ppt presentation ICAATAS 2024 (international conference on advances in agricultural technology & allied sciences)	15&16 september ,2024	Society of agricultural research& social development ,New Delhi & southern federal university ,Russia
12	Kunjan Sodhi	MFT-III	First	Rangoli Competition	14-Sep-24	MCM DAV College for Women, Sector 36, Chandigarh
13	Kunjan Sodhi	MFT-III	First	First position- University Topper in semester 4th and 5th (Academic topper list)	NA	
14	Pragati sharma	MFT-II	5th position	Academic prize	9.04.2025	MCM DAV College for Women, Sector 36, Chandigarh
15	Arshdeep kaur	MFT-II	Third	International conference (third position). Position holder in academics (4th) Millet based food competition(2)	16/9/24 and 9/4/2025	The Neotia university , southern federal university and Punjab university

16	Angelina Singh	MFT-III	Second	Panjab university International conference- Harnessing the power of microbes for Viksit Bharat	18-19 March , 2025	Panjab University, Chandigarh
17	Priya Vanshika	MFT-III	Second	Poster Presentation on International Conference HARNESSING THE POWER OF MICROBES FOR VIKSHIT BHARAT	18-19 March, 2025	Panjab University
18	Yashita Malli	MFT-II	Third	7th International Conference on Advances in Agriculture Technology and Allied Sciences ICAATAS 2024	15-16 September 2024	Society of Agriculture Research and Societal Development (New Delhi) and Southern Federal University Rostov-On-Don Russia
19	Vaishali Agarwal	MFT-III	Third	AMR: THE SILENT PANDEMIC (E - poster competition)	45681	Panjab University
20	Aditi Thakur	MFT-III	Third	Third position in 3rd semester	NA	MCM DAV College for Women, Sector 36, Chandigarh
21	Nishtha Pathania	MFT-III	Second	2nd Internationally conference on life school, health, and environmental sustainability, 2025	27th and 28th February, 2025	Rayat-Bahra University
22	Tanishka Panchal	MFT-III	I got different positions in different competitions.	1. I got 2nd position in gyanajali prashnotri on 200th anniversary of Swami dayanand ji. 2. I got 3rd position in Science fest. 3. I got consolation prize with cash prize in essay writing competition on the topic viksit bharat.	(1.)4 March,2024. (2.)28 February , 2024 (3.)28January,2024	MCM DAV College for Women, Sector 36, Chandigarh
23	Pranjal Sood	MFT-III	Third	International conference (Harnessing the power of microbes for viksit Bhart) by Panjab University, in UG oral presentation competition.	18-19 March	Panjab University
24	Harsift kaur	MFT-III	Second	International conference on life sciences health and environmental sustainability 2025	27th and 28th February 2025	Rayat Bahra University, Mohali

25	Gurpreet Kaur	MFT-III	Participation	AMR: The silent pandemic, PU and International Conference, PU and Millet competition	AMR, PU [24th Jan 2025], International c[18-19 march 2025], millet competition in 1st year	PANJAB UNIVERSITY AND MILLET COMPETITION BY MCM DAV COLLEGE
26	Jashanpreet kaur	MFT-I	First	millet based food product competition	45518	MCM DAV College for Women, Sector 36, Chandigarh
27	Sukhneet kaur	MFT-I	First	Millet based food competition	14th August, 2024	MCM DAV College for Women, Sector 36, Chandigarh
28	Riddhi Sahore	MFT-II	Third	International conference In Punjab University on role of microbes in viksit bharat	18th and 19th March 2025	PUNJAB UNIVERSITY, CHANDIGARH
29	Iknoor Kaur	MFT-I	First	Akshay Urja Diwas 2024	20th August 2024	MCM DAV College for Women, Sector 36, Chandigarh
30	Kashish	MFT-II	Third	Millet based food product competition (Independence Day Function event)	45518	MCM DAV College for Women, Sector 36, Chandigarh
31	Parveza Kaur Hayer	MFT-II	Third	Millet based Food Product Competition	45518	MCM DAV College for Women, Sector 36, Chandigarh
32	Vanshika Sharma	MFT-II	Third	Millet based food product competition	45518	MCM DAV College for Women, Sector 36, Chandigarh

2. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, UPSC, CDS, etc.?

Name; Examination Cleared	Year
Alka (2016-19) qualified for the GATE BT with AIR 1751	2024

3. Future Plans:

- To conduct various Skill-based Hands on Training workshops on latest advancement in the field of food microbiology, food safety, microbial diagnostics and infection control strategies.
- Optimization and Production of Fortified and Novel Food Products.
- Boosting Industry-Academia interface for providing students with real-world experience, practical skills, and professional networks.

ANNEXURE -I : Glimpses of Activities held by Department of Food Science (2024-25)

Activity : Six Days Online Summer Bridge Course on “Life Threatening Microbial Pathogens and Vaccinology” (Understanding Disease Prevention and Therapy)

Dates : 03 June 2024 - 08 June 2024 [30 hours course]

The screenshot displays a Zoom meeting interface. The main content is a presentation slide with the following text:

Mehr Chand Mahajan DAV College for Women
Sector 36-A, Chandigarh (U.T.)
A recognized Vocational Education Nai Talim Experiential Learning (VENTEL) Action Plan Institution

In association with


Microbiologists Society, India (MBSI) - Chandigarh Unit
organizes A 6-DAY ONLINE SUMMER BRIDGE COURSE on
Life-Threatening Microbial Pathogens & Vaccinology
(Understanding Disease, Prevention and Therapy)

Dates: 3 June 2024 to 8 June 2024
Timings: 11:00 AM to 2:00 PM

The slide also features logos for DAV College for Women, MBSI, and the Department of Food Science. The Zoom interface shows a grid of participants on the right, including Sandeep Kaur (Presenting), Kirti Goel, Kirandeep Pahuja, Vaishali Agarwal, Amodini Rishi, Harjot Kaur, shobit gill, 9110 Aashqita, 7 others, and Dr. Deepika Malik. The bottom of the screen shows the time 6:31 PM and the ID xie-oruw-xdq.

Dr. Deepika Malik (Presenting)

Understanding Vaccines (Mechanisms, Types, and Latest Trends)



Dr. Deepika Malik
Asst. Professor
Department of Food Science
(Microbial & Food Technology)
MCM DAV College for Women, Chandigarh

Ojas Sharma, Dr. Deepika Malik, Kunjan Sodhi, shobit gill, Geeta, Amodini Rishi, Parveza Hayer, 6 others, Kashish joined

एमसीएम ने वैक्सीनोलॉजी पर 6 दिवसीय ब्रिज कोर्स आयोजित किया

मदरलैंड संवाददाता

चंडीगढ़। मेहर चंद महाजन डीएवी महिला महाविद्यालय, चंडीगढ़ ने माइक्रोबायोलॉजिस्ट सोसाइटी, इंडिया (एमबीएसआई)- चंडीगढ़ यूनिट के सहयोग से ह्वलाइफ-श्रेटनिंग माइक्रोबियल पैथोजेंस एंड वैक्सीनोलॉजी- अंडरस्टैंडिंग डिजीज, प्रिवेंशन एंड थेरेपी ह्व शीर्षक से 6 दिवसीय ऑनलाइन ब्रिज कोर्स आयोजित किया। इस ब्रिज कोर्स को माइक्रोबायोलॉजी और संबंधित विज्ञान के क्षेत्र में उत्कृष्टता प्राप्त करने के लिए आवश्यक माइक्रोबियल रोगजनकों और वैक्सीनोलॉजी के बारे में ज्ञान एवं समझ प्रदान करने के लिए डिजाइन किया गया था। इसका उद्देश्य उच्च माध्यमिक शिक्षा प्राप्त व स्नातकों और उन्नत शोध एवं व्यावसायिक पाठ्यक्रमों के बीच की खाई को पाटना था। इस कोर्स के माध्यम से विद्यार्थियों को मूल्यवान अंतर्दृष्टि और व्यावहारिक ज्ञान प्रदान किया गया। कॉलेज के खाद्य विज्ञान विभाग की डॉ. वंदना शर्मा ने रोगजनकों पर एक परिचयात्मक व्याख्यान के साथ पाठ्यक्रम की शुरुआत की, जिसमें उनके प्रकार और संचरण के तरीकों का विवरण दिया गया। डॉ. संदीप कौर ने विषाणु कारकों पर गहन चर्चा की और महत्वपूर्ण जीवाणु, कवक और वायरल संक्रमणों और उनके रोगजनक तंत्र और उपयोग की जाने वाली उपचार विधियों पर विस्तृत चर्चा की। डॉ. दीपिका मलिक ने टीकाकरण पर अपनी विशेषज्ञता साझा की, जिसमें उनके तंत्र, प्रकार और वैक्सीनोलॉजी में नवीनतम रुझानों को शामिल किया गया। व्यापक समझ सुनिश्चित करने के लिए, डॉ. कीर्ति सिंगला ने पूरे पाठ्यक्रम के दौरान प्रतिभागियों द्वारा प्राप्त ज्ञान का गहन मूल्यांकन किया। उन्होंने प्रतिरक्षा तंत्र को मजबूत करने और संक्रमण की शुरुआत को रोकने में आहार की भूमिका पर भी प्रकाश डाला। पाठ्यक्रम के दौरान, स्नातकोत्तर प्रवेश परीक्षाओं के पाठ्यक्रम को कवर करने पर भी विशेष जोर दिया गया। प्रतिभागियों ने पाठ्यक्रम को अत्यधिक प्रासंगिक पाया और इस पहल के लिए आयोजकों को धन्यवाद दिया। प्राचार्या डॉ. निशा भार्गव ने प्रतिभागियों को वैक्सीनोलॉजी के महत्वपूर्ण क्षेत्र में करियर की दृष्टि से उत्कृष्टता प्राप्त करने के लिए गहन ज्ञान और कौशल से लैस करने के लिए मुख्य वक्ताओं के प्रति आभार व्यक्त किया। उन्होंने आशा व्यक्त करते हुए कहा कि यह पाठ्यक्रम न केवल प्रतिभागियों की रौढ़ाणिक साख बढ़ाएगा, बल्कि सूक्ष्म जीव विज्ञान के क्षेत्र में उनके भविष्य के प्रयासों में भी महत्वपूर्ण योगदान देगा।



Activity : On-the-Spot Poster making Inter college competition on account of National Science Day Celebrations

THEME : Visualizing *Viksit Bharat* through science and technology: Paving the way to Sustainable Development

Date: 28 Feb 2025

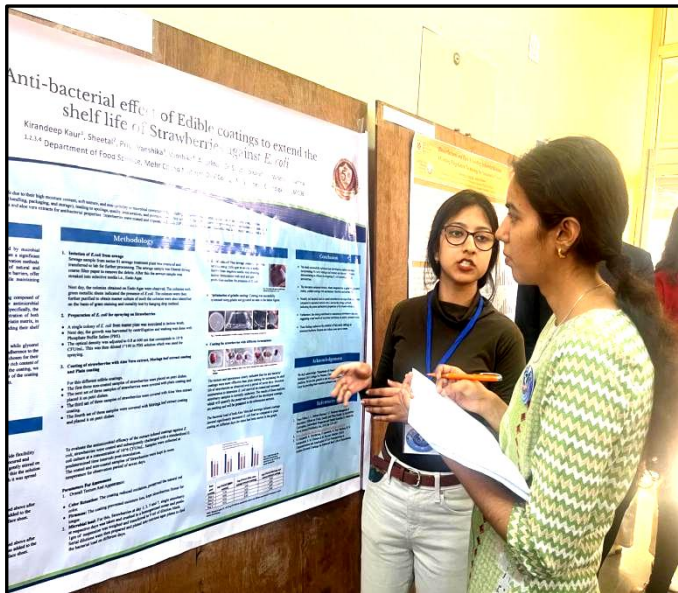






Activity : BSc (MFT) II and III year students participated and presented their research and review papers (poster and oral) in **International Conference** “Harnessing the Power of Microbes for Viksit Bharat.

Dates : 18-19 March 2025



Activity : Three Days National Workshop and Hands-on Training on “Environmental Monitoring and Remediation: Practical Approach to Environmental Pollutants”

Dates: 25 March 2025 – 27 March 2025





Activity : Two days hands on training workshop on “Detection and Characterization of Antibiotic Resistance in Soil, Food and Water” under MCM Vigyan Manch funded by Department of Science and Technology and Renewable Energy, Chandigarh
Dates: 21 March 2025 – 22 March 2025





Activity : Engaging students in online Distance 56 hour learning course titled “General Course on Intellectual Property DL-101” certified by World Intellectual Property Organization (WIPO), Geneva.

Dates : 08 Feb 2025 to 25 March 2025

