

Report of Department of Food Science (2022-23)



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

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

Name of the Department: Department of Food Science

1. Year of Establishment: 2005

2. Names of Programs/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters etc.)

Name of the Programme/ Course	Class	Subjects
UG (Degree Course)	B. Sc. (Microbial and Food Technology)	Microbiology, Food Technology, Chemistry, English, HCP/Punjabi, Environment Science
UGC-NSQF recognized Diploma Course (1 Year)	Microbial Analysis and Food Safety	Microbiological Safety of Foods, Food Chemistry, Food safety and Sanitation, Communication Skills, Information Technology, Soft Skills and Personality Development, Business Ethics, Analytical Quality Assurance, Food Adulteration and Safety, Food Laws and Regulations, Industrial Training + Industrial Visit

3. Number of Teaching Posts:

Permanent	
Associate Professors	00
Assistant Professors	02
Contractual	
Assistant Professors	05

4. 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	18 yrs.
2.	Dr. Vandana Sharma	Assistant Professor	Ph.D.	Microbiology	23 yrs.
3.	Dr. Sandeep Kaur	Assistant Professor (Contractual)	Ph.D.	Microbiology	7 years 8 months
4.	Dr. Gurpreet Kaur	Assistant Professor (Contractual)	Ph.D.	Food Technology	7 years 6 months
5.	Dr. Deepika Malik	Assistant Professor (Contractual)	Ph.D.	Microbiology	3 years
6.	Dr. Anila Kumari	Assistant Professor (Contractual)	M.Phil. & Ph.D.	Food Biotechnology	6 year 5 months
7.	Dr. Kirti Singla	Assistant Professor (Contractual)	Ph.D.	Food Technology	3 year 3 months

5. Number of Faculty with on-going projects:

Title of Project	Faculties	Amount Sanctioned; Year	Funding agency	Time
E_YUVA Program : Vitamin-D and Zinc Bio-Enriched Oyster Mushroom: Dual fortification for Deficiency control	Dr. Vandana Sharma	2.5 lakh	March 2023 to March 2024 (On going)	Biotechnology Industry Research Assistance Council (BIRAC); DBT, Govt. of India

6. Details of Publications by the Faculty in the session: (Hard Copies of the Title Page of the Journal/Contents and First page of the Paper to be collected by the HODs)

Faculty Name	Title of Paper/Patent	Title of the Journal with ISSN	Month/Year	PEER Reviewed/Refereed	UGC/CARE Enlisted (Yes/No)	URL
Dr. Anila Kumari	An overview on microbial α -amylase and recent biotechnological developments	Current Biotechnology ISSN (Print): 2211-5501	June, 2022	Yes	Yes	http://dx.doi.org/10.2174/2211550111666220328141044
Dr. Sandeep Kaur	Synthesis, SAR and Biological Evaluation of Novel Phosphorous Containing Oxazolidinone Derivatives as Antibacterial Agents	Current Research Information on Pharmaceutical Sciences (CRIPS) ; ISSN:0972- 589X	Jan 2023	Yes	No	NA
Patent Application Details						
Dr. Vandana Sharma and Dr. Sandeep Kaur	Title of patent: A Biodegradable Automated Pooping System and A Process for The Preparation Thereof		Patent Application Number and date : Application Number: 202311029243 dated 2023/04/22		Patent application filing date :2023/04/22	In process

8. Details of Publication of Books/Chapters in Books by the Faculty in the session (Hard Copies of the Title Page of the Journal/Contents and First page of the Paper/Book to be collected by the HODs):

Permanent/ Contractual Faculty	Title of Chapter	Title of the Book	Month/Year	Name of the Publisher	National/ International	ISBN
Dr. Deepika Malik	Learning by Doing : Empowering students with essential life skills through experiential education	Holistic Development through Life Skills and Value based Education	2023	Avni Publications, New Delhi	National	978-93-91962-77-7

9. Details of Presentations by the Faculty in the session: (Hard Copies of the Certificates to be maintained by the HODs)

Permanent Faculty/ Contractual Faculty	Title of Paper/Lecture	Title of the Conference/ Seminar	Month/ Year	Sponsoring Agency	National/ International	Award, if any
Dr Vandana Sharma	Emerging role of artificial intelligence in health care and food Industry	Transformation, Survival and Sustainability in a Post COVID World and Creating a New Bharat: Some Dimensions from Punjab and Haryana State	2023	Indian Council of Social Science Research (ICSSR)	National	-
Dr Sandeep Kaur	Emerging role of artificial intelligence in health care and food Industry	Transformation, Survival and Sustainability in a Post COVID World and Creating a New Bharat: Some Dimensions from Punjab and Haryana State	2023	Indian Council of Social Science Research (ICSSR)	National	-
Dr Deepika Malik	Nutrition's impact on human health and wellbeing: A Comprehensive review	Transformation, Survival and Sustainability in a Post COVID World and Creating a New Bharat: Some Dimensions from Punjab and Haryana State	2023	Indian Council of Social Science Research (ICSSR)	National	-
Dr Gurpreet Kaur	Nutrition's impact on human health and wellbeing: A Comprehensive review	Transformation, Survival and Sustainability in a Post COVID World and Creating a New Bharat: Some Dimensions from Punjab and Haryana State	2023	Indian Council of Social Science Research (ICSSR)	National	-
Dr Kirti Singla	Emerging role of artificial intelligence in health care and food Industry	Transformation, Survival and Sustainability in a Post COVID World and Creating a New Bharat: Some Dimensions from Punjab and Haryana State	2023	Indian Council of Social Science Research (ICSSR)	National	-

10. 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 Geeta Mehra	International Webinar	Planning and Transmission Electron Microscopy	Centre for Biomedical and Nutrition Research	8 Sept, 2022
Dr Geeta Mehra	Workshop	Ignition and Infix of Scientific Temper in Underprivileged Areas: Reach to Unreach	SERB Accelerate Vigyan, Govt. Degree College, Srikakulam	25 Dec, 2022
Dr Geeta Mehra	Global Congress	Sustainable Growth and Development 2022- Health and Life Sciences	GCGGD 2022-HLS	6 Nov, 2022

Dr Geeta Mehra	Workshop	Know-Your- Customer Best Practices	Biotech Consortium India Limited (BCIL), New Delhi and Sandia National Laboratories (SNL), USA in association with Indian Drug Manufactures Association (IDMA), Mumbai	-3 Feb 2023
Dr Geeta Mehra	Workshop	Science in Action Scientific Writing Workshop- Tools and Techniques	Dept of Food Science, Mehr Chand Mahajan DAV College for Women, Sec. 36-A, Chd.	3-18 March 2023
Dr Geeta Mehra	Workshop	Nano for Sensor and Agriculture Waste Repurposing	Chemical Biology Unit, Institute of Nano Science and Technology, Mohali	-28 July 2023
Vandana Sharma	National Seminar	Transformation, Survival and Sustainability in a Post COVID World and Creating a New Bharat: Some Dimensions from Punjab and Haryana State	Mehr Chand Mahajan DAV College for Women, Sec. 36-A, Chd.	-27 May 2023
Vandana Sharma	Workshop	Hands-On Training on Oyster Mushroom Cultivation	Mehr Chand Mahajan DAV College for Women, Sec. 36-A, Chd.	-12 Nov 2022
Vandana Sharma	Workshop	Hands-On Training on Immunological Diagnostic Techniques	Mehr Chand Mahajan DAV College for Women, Sec. 36-A, Chd.	4-18 March 2023
Dr Sandeep Kaur	National Seminar	Transformation, Survival and Sustainability in a Post COVID World and Creating a New Bharat: Some Dimensions from Punjab and Haryana State	Mehr Chand Mahajan DAV College for Women, Sec. 36-A, Chd.	-27 May 2023
Dr Sandeep Kaur	Workshop	Hands-On Training on Oyster Mushroom Cultivation	Mehr Chand Mahajan DAV College for Women, Sec. 36-A, Chd.	-12 Nov 2022
Dr Sandeep Kaur	Workshop	Hands-On Training on Immunological Diagnostic Techniques	Mehr Chand Mahajan DAV College for Women, Sec. 36-A, Chd.	4-18 March 2023
Dr Gurpreet Kaur	Workshop	Hands-On Training on Immunological Diagnostic Techniques	Mehr Chand Mahajan DAV College for Women, Sec. 36-A, Chd.	4-18 March 2023
Dr Gurpreet Kaur	National Seminar	Transformation, Survival and Sustainability in a Post COVID World and Creating a New Bharat: Some Dimensions from Punjab and Haryana State	Mehr Chand Mahajan DAV College for Women, Sec. 36-A, Chd.	-27 May 2023
Dr Gurpreet Kaur	National Conference	Underutilized Food Resources: Nutrient Composition, Value Addition and Quality Assurance	Department of Food Technology, Mizoram University	-26 May 2023
Dr Gurpreet Kaur	Lecture Series	Functional Properties of Millets and Millet-based Foods	Mizoram University, Mizoram	10 Oct 2022
Dr Deepika Malik	National Seminar	Transformation, Survival and Sustainability in a Post COVID World and Creating a New Bharat: Some Dimensions from Punjab and Haryana State	Mehr Chand Mahajan DAV College for Women, Sec. 36-A, Chd.	-27 May 2023

Dr Deepika Malik	National Conference	Underutilized Food Resources: Nutrient Composition, Value Addition and Quality Assurance	Department of Food Technology, Mizoram University	-26 May 2023
Dr Deepika Malik	Workshop	Hands-On Training on Immunological Diagnostic Techniques	Mehr Chand Mahajan DAV College for Women, Sec. 36-A, Chd.	4-18 March 2023
Dr Anila Kumari	Workshop	Hands-On Training on Immunological Diagnostic Techniques	Mehr Chand Mahajan DAV College for Women, Sec. 36-A, Chd.	4-18 March 2023
Dr Kirti Singla	National Seminar	Transformation, Survival and Sustainability in a Post COVID World and Creating a New Bharat: Some Dimensions from Punjab and Haryana State	Mehr Chand Mahajan DAV College for Women, Sec. 36-A, Chd.	-27 May 2023
Dr Kirti Singla	Workshop	Hands-On Training on Oyster Mushroom Cultivation	Mehr Chand Mahajan DAV College for Women, Sec. 36-A, Chd.	-12 Nov 2022
Dr Kirti Singla	Workshop	Hands-On Training on Immunological Diagnostic Techniques	Mehr Chand Mahajan DAV College for Women, Sec. 36-A, Chd.	4-18 March 2023

11. 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	Life membership of following societies: <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	Life membership of following societies: <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 Orthopaedic Device Related Infections” till date. ● Academic Editorial Board member of Canadian Journal of Infectious Diseases and Medical Microbiology from 2021 onwards <p>Associate Editor for the prestigious journal : Frontiers in Microbiology (Impact factor- 5.6) since 01 July 2022 onwards</p>

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 Antibiotics [ISSN 2813-2467 (Online)]	Topic Editor
	Canadian Journal of Infectious Diseases and Medical Microbiology	Academic Editor
	BMC Musculoskeletal Disorders (ISSN : 14712474)	Academic Editor
	Frontiers in Microbiology (ISSN No: 1664-302X)	Academic Editor
	ISSN 1471-2180 (Online) 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

12. Awards/ Recognitions Received by Faculty:

Faculty Name	Award details/Recognitions	Agency/Institute	Year
Dr. Geeta Mehra	Invited as a judge for the Committee for evaluation of Best Thesis Award for PhD students of 2020- 2021 and 2021- 2022 batch of ICAR - NDRI.	ICAR - The National Dairy Research Institute, Karnal, Haryana	March 3, 2023
Dr. Geeta Mehra	Recognized as coordinator for organizing one-week Science in Action workshop on, "Scientific Writing: Tools and Techniques"	Department of Food Science, MCM DAV College for Women, Chandigarh	March 13 - 18, 2023
Dr. Geeta Mehra	Awarded with certificate of appreciation by Phoenix Science club for contributions in the field of Food Science on occasion of World Food Safety Day	Phoenix Science club	June 07, 2023
Dr. Geeta Mehra	Recognized as resource person for three sessions for Skill Development of BVSc. and MVSc. students, under the NAHEP(National Agricultural Higher Education Project)- IDP(Institutional Development Plan), at premier Central University, GADVASU, Ludhiana.	Central University, GADVASU, Ludhiana.	June 7, 8, 9, 2023
Dr. Geeta Mehra	Recognized as Resource person to deliver lecture on, "Recent Trends in Food, Nutrition and Health" on November 29th and 30th, 2022 by the Centre for IAS & Other Competitive Examinations, Panjab University	Centre for IAS & Other Competitive Examinations, Panjab University	November 29th and 30th, 2022
Dr. Geeta Mehra	Invited as Resource person at High End Karyashala, Government Degree College Men, Srikakulam on, RBPT: Way forward to transform lab exercises to research projects.	Government Degree College Men, Srikakulam	November 30th, 2022
Dr. Vandana Sharma	Awarded with Certificate of Appreciation from Horticulture Division, Panjab University and Social Substance (NGO) for meritorious services in field of Nature, climate and Environment during Rose Festival, PU, CHD on 24 Feb 2023.	Horticulture Division, Panjab University and Social Substance(NGO)	24 Feb 2023
	Received Certificate of Appreciation in recognition for carrying out the environment awareness activity' Selfie with plant' on the occasion of World Environment Day. The activity is initiated by the college in collaboration with MGNCRE, Ministry of Education Government of India.	MGNCRE, Ministry of Education Government of India.	04 June 2022
	Oral paper presentation titled "Emerging Role of Artificial Intelligence in Healthcare and Food Industry" in Two days National Conference on "Transformation, Survival and Sustainability in a Post-COVID world and creating a New Bharat" dated 26-27 May 2023 sponsored by Indian Council of Social Science Research (ICSSR), North Western Regional Centre, Panjab University, Chandigarh and MCM DAV College for Women, Chandigarh	Indian Council of Social Science Research (ICSSR), North Western Regional Centre, Panjab University, Chandigarh and MCM DAV College for Women, Chandigarh	26 May 2023

Recognized as Coordinator for organizing Day Long Millet Bazaar organised by Mehr Chand Mahajan DAV College for Women, Chandigarh, under the aegis of Social Entrepreneurship, Swachhata and Rural Engagement Cell (SES-REC) in association with Mahatma Gandhi National Council of Rural Education (MGNCRE), Ministry of Education, Govt of India	Mehr Chand Mahajan DAV College for Women, Chandigarh, under the aegis of Social Entrepreneurship, Swachhata and Rural Engagement Cell (SES-REC) in association with Mahatma Gandhi National Council of Rural Education (MGNCRE), Ministry of Education, Govt of India	02 March 2023
Recognized as coordinator for organizing Skill based two-day course on “Soft Skills” under VENTEL Action plan dated 31 Jan 2023 and 01 Feb 2023 under the aegis of Mehr Chand Mahajan DAV College for Women, Chandigarh, a recognized Vocational Education-Nai Talim-Experiential Learning (VENTEL) Action Plan Institution in association with Mahatma Gandhi National Council of Rural Education (MGNCRE), Ministry of Education, Govt of India.	Mehr Chand Mahajan DAV College for Women, Chandigarh, a recognized Vocational Education-Nai Talim-Experiential Learning (VENTEL) Action Plan Institution in association with Mahatma Gandhi National Council of Rural Education (MGNCRE), Ministry of Education, Govt of India.	31 Jan 2023 and 01 Feb 2023
Awarded with Certificate of Recognition for outstanding contributions in conducting student centric activities focused towards promoting Microbiology among students and society and setting up student Microbiology Unit at college by President (Tricity), Microbiology Society, India (MBSI).	Microbiology Society, India (MBSI)	18 March 2023
Awarded with Certificate of Appreciation for contributed to the implementation of business activities of Social Entrepreneurship, Sustainability and Rural Entrepreneurship on campus, promoted by the institution, through 3 milestones: Diwali 24.10.2022, National Entrepreneurship Day 09.11.2022, Women’s Entrepreneurship Day 19.11.2022.	Mahatma Gandhi National Council of Rural Education (MGNCRE), Ministry of Education, Govt of India.	16 Jan 2023
Recognized as Coordinator for organizing Five days hands on training workshop on “Immunological Diagnostic Techniques” held on 14 March 2023 – 18 March 2023	Department of Food Science, Mehr Chand Mahajan DAV College for Women, Chandigarh (U.T.) in association with Microbiologists Society, India (MBSI) sponsored by Department of Science & Technology & Renewable Energy. Chandigarh Administration (U.T)	14-18 March 2023
Recognized as organizing team member of Veerangna held on 11 March 2023 to mark the celebration of International Women’s Day organized by Mehr Chand Mahajan DAV College for Women, Chandigarh in association with Yuvsatta and Zee media under the aegis of Department of Higher Education, Chandigarh Administration.	Mehr Chand Mahajan DAV College for Women, Chandigarh in association with Yuvsatta and Zee media under the aegis of Department of Higher Education, Chandigarh Administration.	11 March 2023

	Recognized as Coordinator for providing hands on training and knowledge on Oyster mushroom cultivation in Three days- Hands on Training Workshop on Oyster Mushroom Cultivation under VENTEL scheme dated 10-12 Nov, 2022.	Mehr Chand Mahajan DAV College for Women, Chandigarh, a recognized Vocational Education-Nai Talim-Experiential Learning (VENTEL) Action Plan Institution in association with Mahatma Gandhi National Council of Rural Education (MGNCRE), Ministry of Education, Govt. of India.	10-12 NOV 2023
	Recognized as Coordinator for organizing Entrepreneurship Development Program	Mehr Chand Mahajan DAV College for Women, Chandigarh, a recognized Vocational Education-Nai Talim-Experiential Learning (VENTEL) Action Plan Institution in association with Mahatma Gandhi National Council of Rural Education (MGNCRE), Ministry of Education, Govt. of India.	10-12 NOV 2023
	Patent Application successfully filed for the study titled “A Biodegradable Automated Pooping System and A Process for The Preparation Thereof” Date of filing: Application Number: 202311029243 dated 2023/04/22	Mehr Chand Mahajan DAV College for Women, Chandigarh in association with CIBioD, PGIMER, CHD	22 April 2023
Dr. Sandeep Kaur	Selected as Mentor for American Society of Microbiology (ASM) Future Leaders Mentoring Fellowship (FLMF) two-year program 2023-24	American Society of Microbiology (ASM)	Jan 2023-24
Dr. Sandeep Kaur	Awarded with Certificate of Appreciation from Horticulture Division, Panjab University and Social Substance (NGO) for meritorious services in field of Nature, climate and Environment during Rose Festival, PU, CHD on 24 Feb 2023.	Horticulture Division, Panjab University and Social Substance(NGO)	24 Feb 2023
Dr. Sandeep Kaur and Dr. Kirti Singla	Oral paper presentation titled “Emerging Role of Artificial Intelligence in Healthcare and Food Industry” in Two days National Conference on “Transformation, Survival and Sustainability in a Post-COVID world and creating a New Bharat” dated 26-27 May 2023 sponsored by Indian Council of Social Science Research (ICSSR), North Western Regional Centre, Panjab University, Chandigarh and MCM DAV College for Women, Chandigarh	Indian Council of Social Science Research (ICSSR), North Western Regional Centre, Panjab University, Chandigarh and MCM DAV College for Women, Chandigarh	26 May 2023
Dr. Sandeep Kaur and Dr. Kirti Singla	Recognized as Coordinator for organizing Day Long Millet Bazaar organized by Mehr Chand Mahajan DAV College for Women, Chandigarh, under the aegis of Social Entrepreneurship, Swachhata and Rural Engagement Cell (SES-REC) in association with Mahatma Gandhi National Council of Rural Education (MGNCRE), Ministry of Education, Govt of India	Mehr Chand Mahajan DAV College for Women, Chandigarh, under the aegis of Social Entrepreneurship, Swachhata and Rural Engagement Cell (SES-REC) in association with Mahatma Gandhi National Council of Rural Education (MGNCRE), Ministry of Education, Govt of India	02 March 2023

<p>Dr. Sandeep Kaur and Dr. Kirti Singla</p>	<p>Recognized as coordinator for organizing Skill based two-day course on “Soft Skills” under VENTEL Action plan dated 31 Jan 2023 and 01 Feb 2023 under the aegis of Mehr Chand Mahajan DAV College for Women, Chandigarh, a recognized Vocational Education-Nai Talim-Experiential Learning (VENTEL) Action Plan Institution in association with Mahatma Gandhi National Council of Rural Education (MGNCRE), Ministry of Education, Govt. of India.</p>	<p>Mehr Chand Mahajan DAV College for Women, Chandigarh, a recognized Vocational Education-Nai Talim-Experiential Learning (VENTEL) Action Plan Institution in association with Mahatma Gandhi National Council of Rural Education (MGNCRE), Ministry of Education, Govt of India.</p>	<p>31 Jan 2023 and 01 Feb 2023</p>
<p>Dr. Sandeep Kaur and Dr. Kirti Singla</p>	<p>Recognized as Coordinator for providing hands on training and knowledge on Oyster mushroom cultivation in Three days- Hands on Training Workshop on Oyster Mushroom Cultivation under VENTEL scheme dated 10-12 Nov, 2022.</p>	<p>Mehr Chand Mahajan DAV College for Women, Chandigarh, a recognized Vocational Education-Nai Talim-Experiential Learning (VENTEL) Action Plan Institution in association with Mahatma Gandhi National Council of Rural Education (MGNCRE), Ministry of Education, Govt of India.</p>	<p>10-12 NOV 2023</p>
<p>Dr. Sandeep Kaur</p>	<p>Awarded with Certificate of Recognition for outstanding contributions in conducting student centric activities focused towards promoting Microbiology among students and society and setting up student Microbiology Unit at college by President (Tricity), Microbiology Society, India (MBSI).</p>	<p>Microbiology Society, India (MBSI)</p>	<p>18 March 2023</p>
<p>Dr. Sandeep Kaur</p>	<p>Recognized as Coordinator and Resource person for organizing Five days hands on training workshop on “Immunological Diagnostic Techniques” held on 14 March 2023 – 18 March 2023</p>	<p>Department of Food Science, Mehr Chand Mahajan DAV College for Women, Chandigarh (U.T.) in association with Microbiologists Society, India (MBSI) sponsored by Department of Science & Technology & Renewable Energy. Chandigarh Administration (U.T)</p>	<p>14 March 2023 – 18 March 2023</p>
<p>Dr. Kirti Singla</p>	<p>Recognized as Coordinator for organizing Five days hands on training workshop on “Immunological Diagnostic Techniques” held on 14 March 2023 – 18 March 2023</p>	<p>Department of Food Science, Mehr Chand Mahajan DAV College for Women, Chandigarh (U.T.) in association with Microbiologists Society, India (MBSI) sponsored by Department of Science & Technology & Renewable Energy. Chandigarh Administration (U.T)</p>	<p>14 March 2023 – 18 March 2023</p>
<p>Dr. Sandeep Kaur and Dr. Kirti Singla</p>	<p>Recognized as organizing team member of Veerangna held on 11 March 2023 to mark the celebration of International Women’s Day organised by Mehr Chand Mahajan DAV College for Women, Chandigarh in association with Yuvsatta and Zee media under the aegis of Department of Higher Education, Chandigarh Administration.</p>	<p>Mehr Chand Mahajan DAV College for Women, Chandigarh in association with Yuvsatta and Zee media under the aegis of Department of Higher Education, Chandigarh Administration</p>	<p>11 March 2023</p>

Dr. Sandeep Kaur	Patent Application successfully filed for the study titled "A Biodegradable Automated Pooping System and A Process for The Preparation Thereof" Date of filing: Application Number: 202311029243 dated 2023/04/22	Mehr Chand Mahajan DAV College for Women, Chandigarh in association with CIBioD, PGIMER, CHD	22 April 2023
Dr. Sandeep Kaur	Received Certificate of Appreciation in recognition for carrying out the environment awareness activity 'Selfie with plant' on the occasion of World Environment Day. The activity is initiated by the college in collaboration with MGNCRE, Ministry of Education Government of India.	MGNCRE, Ministry of Education Government of India.	04 June 2022
Dr. Sandeep Kaur	Published a research paper titled : Synthesis, SAR and Biological Evaluation of Novel Phosphorous Containing Oxazolidinone Derivatives as Antibacterial Agents [Pg. No 02-08; Jan 2023]	Title of Journal : Current Research Information on Pharmaceutical Sciences (CRIPS)	Jan 2023
Dr. Sandeep Kaur	Recognized as Coordinator in organizing workshop on "Entrepreneurship and Innovation as Career Opportunity" dated 13 March, 2023 under the aegis of Institutional Innovation Council 5.0 (IIC 5.0).	Institutional Innovation Council 5.0 (IIC 5.0), Mehr Chand Mahajan DAV College for Women, Chandigarh	13 March 2023
Dr. Kirti Singla	Awarded with Certificate of Appreciation for contributed to the implementation of business activities of Social Entrepreneurship, Sustainability and Rural Entrepreneurship on campus, promoted by the institution, through 3 milestones: Diwali 24.10.2022, National Entrepreneurship Day 09.11.2022, and Women's Entrepreneurship Day 19.11.2022.	Mahatma Gandhi National Council of Rural Education (MGNCRE), Ministry of Education, Govt of India.	16 jan 2023
Dr. Deepika Malik	Recognized as a Resource Person in 5 Days Hands-on Training Workshop on "Immunological Diagnostic Techniques" under the aegis of MCM Vigyan Manch on Topic "Antigen-Antibody Interactions, Types, Stages and ways to measure them"	Department of Food Science, Mehr Chand Mahajan DAV College for Women, Chandigarh (U.T.) in association with Microbiologists Society, India (MBSI) sponsored by Department of Science & Technology & Renewable Energy. Chandigarh Administration (U.T)	14 March 2023 – 18 March 2023
Dr. Deepika Malik	Oral paper presentation titled "Nutrition's impact on Human health and well-being" in Two days National Conference on "Transformation, Survival and Sustainability in a Post-COVID world and creating a New Bharat" dated 26-27 May 2023 sponsored by Indian Council of Social Science Research (ICSSR), North Western Regional Centre, Panjab University, Chandigarh and MCM DAV College for Women, Chandigarh	Indian Council of Social Science Research (ICSSR), North Western Regional Centre, Panjab University, Chandigarh and MCM DAV College for Women, Chandigarh	26 May 2023

Dr. Deepika Malik	Recognized as a Resource Person in Skill based two-day course on “Art of Scientific Research Writing” under VENTEL Action plan on Topic “Plagiarism” dated 7-8 February, 2023	Mehr Chand Mahajan DAV College for Women, Chandigarh, a recognized Vocational Education-Nai Talim-Experiential Learning (VENTEL) Action Plan Institution in association with Mahatma Gandhi National Council of Rural Education (MGNCRE), Ministry of Education, Govt. of India.	7-8 February, 2023
Dr. Deepika Malik	Awarded with Certificate of Recognition for outstanding contributions in conducting student centric activities focused towards promoting Microbiology among students and society and setting up student Microbiology Unit at college by President (Tricity), Microbiology Society, India (MBSI).	Microbiology Society, India (MBSI)	18 march 2023
Dr. Anila Kumari	Published a research paper titled An overview on microbial α -amylase and recent biotechnological developments in Current Biotechnology; June 2022	Current Biotechnology (International Journal)	June -2022
Dr. Anila Kumari	Recognized as a Resource Person in 5 Days Hands-on Training Workshop on “Immunological Diagnostic Techniques” under the aegis of MCM Vigyan Manch on Topic “Antigen-Antibody Interactions, Types, Stages and ways to measure them”	Department of Food Science, Mehr Chand Mahajan DAV College for Women, Chandigarh (U.T.) in association with Microbiologists Society, India (MBSI) sponsored by Department of Science & Technology & Renewable Energy, Chandigarh Administration (U.T)	14 March 2023 – 18 March 2023
Dr. Anila Kumari	Recognized as a Resource Person in Skill based two-day course on “Art of Scientific Research Writing” under VENTEL Action plan on Topic “Plagiarism” dated 7-8 February, 2023	Mehr Chand Mahajan DAV College for Women, Chandigarh, a recognized Vocational Education-Nai Talim-Experiential Learning (VENTEL) Action Plan Institution in association with Mahatma Gandhi National Council of Rural Education (MGNCRE), Ministry of Education, Govt. of India.	7-8 February, 2023
Dr. Anila Kumari	Attended online training program on "Value Addition of Dairy Products" organized by Department of Food Processing Business Incubation Centre, National Institute of Food Technology, Entrepreneurship and Management, Thanjavur (NIFTEM-T) held on 10 Jan, 2023.	NIFTEM, MoFPI, Govt of India	10 Jan 2023

Dr. Anila Kumari	Recognized as Coordinator for providing hands on training and knowledge on Oyster mushroom cultivation in Three days- Hands on Training Workshop on “Oyster Mushroom Cultivation” under VENTEL scheme dated 10-12 Nov, 2022.	Mehr Chand Mahajan DAV College for Women, Chandigarh, a recognized Vocational Education-Nai Talim-Experiential Learning (VENTEL) Action Plan Institution in association with Mahatma Gandhi National Council of Rural Education (MGNCRE), Ministry of Education, Govt. of India	10-12 Nov 2022
Dr. Anila Kumari	Recognized as Coordinator in organizing workshop on “Entrepreneurship and Innovation as Career Opportunity” dated 13 March, 2023 under the aegis of Institutional Innovation Council 5.0 (IIC 5.0).	Institutional Innovation Council 5.0 (IIC 5.0), Mehr Chand Mahajan DAV College for Women, Chandigarh	13 March 2023

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

S. No.	Speaker’s Name	Title of the Lecture	Date
1.	Mr. Samarth Sharma, Consultant, MGNCRE, MoE, GOI	Lecture on Entrepreneurship Development	16 th Nov, 2022
2.	Mr. Ajay Tanwar, Consultant, MGNCRE, MoE, GOI	Lecture on Entrepreneurship Development	16 th Nov, 2022
3.	Ms. Deepika Sharma, Assistant Professor, Department of Mass Communication, CGC Landran, Mohali	Soft Skills	31st Jan, 2023 - 1st Feb, 2023
4.	Mrs. Kiran Chandel, Resource Person (MGNCRE), MoE, GOI	Overview of Research Methodology	7th - 8th Feb, 2023
5.	Ms. Rosy, Founder, KoKoMo Coffee Roasters, Chandigarh (U.T.)	My Motivational Journey “Sharing my journey, challenges and path forward	21st Feb, 2023
6.	Mr. Abhishek Dhaliwal, Founder & Director of This Life Matters Pvt. Ltd.	Entrepreneurship and Innovation as Career Opportunity	13th March, 2023
7.	Mr. Swaranjit Singh, President, MBSI, Chandigarh (Tricity)	Role of Bio-surfactants as adjuvants and in Immunomodulation	18th March, 2023

STUDENTS ENRICHMENT PROGRAMMES ORGANIZED BY THE DEPARTMENT

14. Seminars/Conferences organized by the Department in the session: Kindly include the sponsoring/funding agency:

Event: Seminar/ Conferences/ Webinar (National/International)	Date	Title of the Event	Name of the Funding Agency	No. of Students benefited
Orientation Programme	31 Oct, 2022	Orientation Programme of E-YUVA & Innovation Fellow	Biotechnology Industry Research Assistance Council (BIRAC), DBT, GOI	30
Seminar	21 Feb, 2023	My Motivational Journey “Sharing my journey, challenges and path forward	Mehr Chand Mahajan DAV College for Women, Chandigarh in association with VENDEL Action Plan, MGNCRE, MoE, GOI	36
Seminar	13 March, 2023	Entrepreneurship and Innovation as Career Opportunity	Department of Food Science , Mehr Chand Mahajan DAV College for Women, Sec 36, Chandigarh, under the aegis of Institution’s Innovative Council 5.0	50

15. 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
Competitions on Entrepreneurship to mark the celebrations of Local Diwali, National Entrepreneurship Day & Women’s Entrepreneurship Day	20th Oct, 2022; 9th & 19th Nov, 2022	<ul style="list-style-type: none"> • To inculcate the concept of entrepreneurship, start-up’s, innovative thinking so as to build and boost entrepreneurial skills at the initial stages among the students. • To provide a platform for students to showcase their skills to the stakeholders while selling their products to the customers. • To motivate the students to think about ideas that can be turned into viable business models and engages them on the entrepreneurship journey. 	64	NA

Poster (Cartoon Making) Competition on the Topic “Fun with Science”	18 th Sept, 2022	<ul style="list-style-type: none"> To bring out the creative expression of students. Provide undergraduate students with the opportunity to develop and refine their scientific communication skills. 	17	NA
Skill based 3 day Hands – on Training on Oyster Mushroom Cultivation to mark the celebration of Women’s Entrepreneurship Day	16-18 Nov, 2022	<ul style="list-style-type: none"> To give hands on training to students on important steps involved in cultivation (Substrate collection and processing, Packing and autoclaving, Cleaning and disinfection of plastic bottles/Bags, layering and spawning, Identifying and optimizing different stages : spawn run, pinning and final Harvesting) Demonstration as well as hands on training of In house spawn’s preparation (all steps involved) and toxicity testing. To provide knowledge on how to set up mushroom enterprise, its requirements, significance and profitability. To inculcate the concept and boost the culture of entrepreneurship and sustainability among the students and rural women participants. 	63	Mr. Samarth Sharma, Consultant, MGNCRE, Ministry of Education, Government of India
				Mr. Ajay Tanwar, Consultant, MGNCRE, Ministry of Education, Government of India
Idea Competition	31 st Jan, 2023	<ul style="list-style-type: none"> To inculcate the concept of entrepreneurship in the mind of students in place of finding the jobs after completing their study To provide the students, the platform to showcase their innovational ideas, business strategies. To enhance their communication skills and make them to be vocal about the thought in their mind. To represent themselves to the investors and earn money that will help them in building in their startups in an entrepreneur world 	10	NA

A Skill-based 2 day Course on Soft Skills	31st Jan 2023 – 1st Feb, 2023	<ul style="list-style-type: none"> • Develop effective communication skills (spoken and written). • Develop effective presentation skills along with appropriate body language and gestures. • Become self-confident individuals by mastering interpersonal skills, team management skills, and leadership skills. • Develop all-round personalities to function effectively in different circumstances. • Take part effectively in various selection procedures adopted by the recruiters. 	50	Ms. Deepika Sharma, Assistant Professor, Department of Mass Communication, CGC Landran, Mohali
A Skill-based 2 day Course on ' The Art of Scientific Research Writing '	7th – 8th Feb, 2023	<ul style="list-style-type: none"> • Empower the participants in characterizing research ideas and selecting an appropriate Research Design. • To enhance the knowledge about various tools and techniques for comprehending Research paper writing. • To learn the process for framing a correct Research Methodology. • To make the participants aware of the various Search tools and Techniques. • To introduce the concept of Plagiarism and effective Reference writing. 	36	Mrs. Kiran Chandel, Resource Person (MGNCRE), MoE, GOI Dr. Gurpreet Kaur, Assistant Professor, MCMDAV College for Women, Chd Dr. Deepika Malik Assistant Professor, MCMDAV College for Women, Chd Dr. Anila Kumari Assistant Professor MCMDAV College for Women, Chd
Day Long Millet Bazaar	1st March, 2023	<ul style="list-style-type: none"> • To inculcate the concept of entrepreneurship, start-up's, innovative thinking to build and boost entrepreneurial skills at the initial stages among the students. • To provide a platform for students to develop healthy millet based food products and offer for sale to the stakeholders. • To motivate the students to turn their ideas into viable business models and engages them on the entrepreneurship journey early in life. 	58	NA

Hands on Workshop on ‘Immunological Diagnostic Techniques’	15th March, 2023	<ul style="list-style-type: none"> To give hands on training to students on important steps involved in performing immunological diagnostic assay (including RIA, ELISA, Agglutination assay, blood grouping, TLC, DLC etc.) Demonstration as well as hands on training of all the diagnostic assays on a one-to-one basis. To provide knowledge different key concepts of immunology. 	35	Mr. Swaranjit Singh, President, MBSI, Chandigarh (Tricity)
				Dr. Vandana Sharma Assistant Professor MCMDAV College for Women, Chd
				Dr. Sandeep Kaur Assistant Professor MCMDAV College for Women, Chd
				Dr. Deepika Malik Assistant Professor MCMDAV College for Women, Chd
				Dr. Anila Kumari Assistant Professor MCMDAV College for Women, Chd
Workshop on the Topic “Science in Action, Scientific Writing”	13th - 18th March, 2023	<ul style="list-style-type: none"> To empower the students in characterizing research ideas and selecting an appropriate Research project. To enhance the knowledge about various tools and techniques for Research paper writing. To introduce the concept of Plagiarism and effective Reference writing. 	55	Anuja Anand Walimbe, Ph.D. Scholar, IISER Mohali

16. Industrial/Field Visits conducted by Department

Industry/ Institute Visited	Date	No. of Students benefitted	Objectives
Visit to Sophisticated Analytical Instrumentation Facility, CIL, Panjab University, Chandigarh	31st Oct, 2022	30	<ul style="list-style-type: none"> To provide a platform for students to visit and gain insight into the working, importance and application of various sophisticated instruments available at CIL, PU, CHD.
Visit to CSIR-Institute of Microbial Technology (IMTech), Sector 39A, Chandigarh	6 April, 2023	34	<ul style="list-style-type: none"> Enabling and facilitating life science research in India by providing access to state-of-the-art tools and techniques. To facilitate development and imparting training to scientists, academicians, researchers, students, and others in the field of life sciences

17. Projects/ Awards/Positions bagged by Students:

1. Mahiya and Aashqita, B.Sc. MFT I has participated in the Quiz on “**World Rabies Day**” organized by MyGov and National Centre for Disease Control on 28th September 2022.
2. Pranjal Sood, B.Sc. MFT I has participated in e-Quiz on “**Animal Microbiome**” in connection with in view of International Microorganism Day-2022 organized by the Department of Zoology, G.V.N. College, Tamil Nadu on 17th September 2022.
3. Akshaini, B.Sc. MFT I, Muskan, B.Sc. MFT II, Shruti Pasricha, B.Sc. MFT III has completed training on the course “**Advance Manufacturing & COVID**” under Food Safety Training and Certification (FOSTAC), Food Safety and Standards Authority of India (FSSAI).
4. Akshaini, B.Sc. MFT I, has completed training on the course “**Basic Retail & Distribution & COVID**” under Food Safety Training and Certification (FOSTAC), Food Safety and Standards Authority of India (FSSAI).
5. 65 students of B.Sc. MFT I, II and III participated in the “**Competitions on Entrepreneurship**” to mark the celebrations of **Local Diwali, National Entrepreneurship Day, Women’s Entrepreneurship Day** organized by Dept. of Food Science, Mehr Chand Mahajan DAV College for Women, Chandigarh, a recognized Vocational Education-Nai Talim-Experiential Learning (VENTEL) Action Plan Institution in association with Mahatma Gandhi National Council of Rural Education (MGNCRE), Ministry of Education, Govt. of India on 20 October, 9 November and 19 November 2022.
6. 64 students of B.Sc. MFT II and III participated in the Skill Based 3 Day Course on “**Hands-on Training Workshop on Oyster Mushroom Cultivation**” organized by Dept. of Food Science, Mehr Chand Mahajan DAV College for Women, Chandigarh, a recognized Vocational Education-Nai Talim-Experiential Learning (VENTEL) Action Plan Institution in association with Mahatma Gandhi National Council of Rural Education (MGNCRE), Ministry of Education, Govt. of India from 10-12 November, 2022.
7. 45 students of B.Sc. MFT I, II, III participated in the Skill Based 2 Day Course on “**Soft Skills**” organized by Dept. of Food Science, Mehr Chand Mahajan DAV College for Women, Chandigarh, a recognized Vocational Education-Nai Talim-Experiential Learning (VENTEL) Action Plan Institution in association with Mahatma Gandhi National Council of Rural Education (MGNCRE), Ministry of Education, Govt. of India from 31 January to 1 February, 2023.
8. 36 students of B.Sc. MFT III participated in the Skill Based 2 Day Course on “**Art of Scientific Research Writing**” organized by Dept. of Food Science, Mehr Chand Mahajan DAV College for Women, Chandigarh, a recognized Vocational Education-Nai Talim-Experiential Learning (VENTEL) Action Plan Institution in association with Mahatma Gandhi National Council of Rural Education (MGNCRE), Ministry of Education, Govt. of India from 7-8 February, 2023.
9. 14 students of B.Sc. MFT II and III participated in the “**Innovative Millet Food Ideas Competition**” organized by ICAR- National Dairy Research Institute on 4 March 2023.
Eknoor Gill and Bhumika Singh got **First Prize** in the category of Millet-based Staple Foods.
Bharti and Nandita got **Second Prize** in the category of Innovative Millet Based Food Product.
Chehalpreet and Rakshita got **Consolation Prize** in the category of Milk-Millet based Functional Foods.
10. 51 students of B.Sc. MFT I, II and III participated in the “**Day Long Millet Bazaar**” organized by Dept. of Food Science, MCM SSHG (Students Self Help Group) under the aegis of Social Entrepreneurship Swachhta and Rural Engagement Cell, Mehr Chand Mahajan DAV College for Women, Chandigarh, a recognized Vocational Education-Nai Talim-Experiential Learning (VENTEL) Action Plan Institution in collaboration with Mahatma Gandhi National Council of Rural Education (MGNCRE), Ministry of Education, Govt. of India on 2 March 2023.

11. 40 students of B.Sc. MFT III and II participated in the **“Five Day Hands-on-Training Workshop on Immunological Diagnostic Techniques”** organized by Department of Food science, Mehr Chand Mahajan DAV College for Women, Chandigarh in collaboration with Microbiologist Society of India (MBSI) and under the aegis of MCM Vigyan Manch sponsored by Department of Science and Technology and Renewable Energy, Chandigarh from 14 to 18 March 2023.
12. 36 students of B.Sc. MFT III has participated in A Skill Based 2 Day Course on **“The Art of Scientific Research Writing”** organized Mehr Chand Mahajan DAV College for Women, Chandigarh, a recognized Vocational Education-Nai Talim-Experiential Learning (VENTEL) Action Plan Institution in collaboration with Mahatma Gandhi National Council of Rural Education (MGNCRE), Ministry of Education, Govt. of India from 7-8 Feb. 2023.
13. 20 students of B.Sc. MFT III and II participated in the 6 Day Workshop on **“Science in Action Scientific Writing Workshop-Tools and Techniques”** organized by Dept of Food Science, Mehr Chand Mahajan DAV College for Women, Sec. 36-A, Chd from 13-18 March 2023.
14. Shruti Pasricha, B.Sc. MFT III has successfully participated in the **Eat Right Millets “Shree Anna” Quiz** organized by Ministry of Health and Family Welfare, GOI.
15. Millet recipe of Ms Palak Bhinder of BSc MFT III has been selected for publication in the book, Millets for Children by Indian Women Scientist's Association (IWSA).
16. Students of BSc MFT attended workshop on **“Nano for Sensor and Agriculture Waste Repurposing”** at Institute of Nano Science and Technology, Mohali from 27-28 July 2023.
17. BSc MFT students gained scientific insights during the Study tour to the Centre of Innovative and Applied Bioprocessing (CIAB), Mohali.
18. Lavish and Gurpriya, **B.Sc. MFT III** (2021-22) selected as **Best Student by Microbiologist Society, India**.
19. **15 students, B.Sc. MFT III**, have **qualified** the distance learning General Course on Intellectual Property, WIPO Academy, from Feb 8 to March 24 2023.
20. Bharti Bhardwaj, B.Sc. MFT II has participated in 15 Days Training-Cum-Certificate Programme on Trending Novel Technologies in Agriculture, Animal Husbandry, Fisheries Science and their Allied Systems on Jan 15 to 30 2023 in Online Mode jointly organized by Society of Agriculture Research and Social Development (New Delhi), College of Agriculture (Tripura) and Malla Reddy University (Hyderabad).

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

Name; Examination Cleared	Year
Shweta Badu (Batch 2012-15); UGC-NET	2023

19. Future Plans:

- To conduct various Skill-based Workshops under VENDEL action plan.
- Setting up of Mass Cultivation of Mushroom units.
- Optimization and Production of Fortified and Novel Food Products.