

**Report of
Department of Food Science
(2016-17)**



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

www.mcmdavcwchd.edu.in

Department Name: Department of Food Science

Session: 2016-17

Names of Programmes/Courses/ offered:

BSc.(Microbial and Food Technology) –Three year Degree Program

Faculty Publications /Awards/Achievements/Activities:

Dr. Vandana Sharma

- Conducted practical examination of M.Sc. Microbiology students in Bhojia Institute of Life Sciences, Baddi in July, 2016.
- National Vector Borne Disease Control programme, UT-Chandigarh funded for conducting a research based case study titled, “Microbiological Analysis of Natural Breeding Habitat of N-Choe” on May, 2017 with a Funding of Rs.34,217/- in the form of chemicals (Concluded).
- Organized National Symposium on “Nanobiotechnology And Microbial Technology For Advancements In Industry And Medicine” Jointly Organized By: Department Of Biotechnology Chandigarh College Of Technology Cgc Campus- Mohali, & Association Of Microbiologists of India (Ami), Chd Unitas member of organizing committee in Aug.,2016.
- Paper presented titled “Genetically modified probiotic bacteria- boon or bane’ in National Symposium on “Nanobiotechnology And Microbial Technology For Advancements In Industry And Medicine” Jointly Organized By: Department Of Biotechnology Chandigarh College Of Technology Cgc Campus- Mohali, & Association Of Microbiologists of India (Ami), Chd Unitas member of organizing committee in Aug.,2016.
- Co-convener of UGC and INSA sponsored two days National Seminar on “Animal Diseases: Impact on Human Health and Control Issues” jointly organized by Department of Zoology and Food Science on 30th and 31st Aug, 2016.
- Awarded Research Fellowship to work on Project entitled “Studies on Geomaterial- Microbe Interactions” in IIT, Bombay, jointly sponsored by INSA, IASc and NASI.

- Conducted one day Faculty Development Programme (FDP) jointly organized by SD College, Chandigarh and AMI Chd. Unit as member of organizing committee in Sept., 2016.
- Attended National symposium on “Bioactive Compounds: Translating Promises into Practice” organized by Department of Microbiology, Panjab University, Chandigarh on 7th Oct., 2016.
- Invited as resource person for delivering lecture on “Global antibiotic resistance” at 7 days NSS camp from 9 -15 Oct., 2016.
- “Bioprospecting Potential for development of novel antimicrobial drugs”, Poster presented in International symposium on “Microbial Resource Centers and Conservation of Microbial Diversity” organized by IMTECH on 10th Nov., 2016.
- Attended 7 day FDP on “ICT- New dimensions in research and higher education” from 26 Nov. to 2 Dec., 2016.
- Participated in the “STEM Teacher Training Workshop on Research Based Pedagogical Tools” workshop held from 23-25 Jan., 2017 at the Indian Institute of Science Education and Research, Mohali, jointly sponsored by DBT, Govt. of India, Newton Bhabha Fund of the British Council and IISER Pune.
- Attended 7 day FDP on “Expanding Paradigms of Pedagogy” from 13-19 April, 2017.

Dr. Sandeep Kaur

- ❖ Member of the organizing team in National Seminar on “Animal Diseases: Impact on Human Health and Control Issues” on 30th and 31st August, 2016.
- ❖ Best Poster Presentation titled ‘Fish Borne Zoonoses: Potential Source of Infection in Humans’ in National Seminar on “Animal Diseases: Impact on Human Health and Control Issues” on 30th and 31st August, 2016.
- ❖ Member of the organizing team in the Workshop on “Novel Food Product Development – way forward to Skill India, held at Rajiv Gandhi National Institute of Youth Development, Chandigarh from Oct 13th, 2016 to Oct 17th, 2016.
- ❖ **Two International Publications:**
 - a) Kaur S, Harjai K, Chhibber S (2016) In Vivo assessment of Phage and Linezolid based implant coatings for treatment of methicillin resistant *S. aureus* (MRSA) mediated Orthopaedic device related infections. PLoS ONE 11(6): e0157626.

b) Chhibber S, Shukla A, Kaur S (2017). "Transfersomal phage cocktail: an effective treatment against methicillin resistant *S. aureus* (MRSA) mediated Skin and Soft tissue infections (SSTIs)". *Antimicrobial Agents and Chemotherapy*. Accepted (Printing in process; AAC02146; doi:10.1128/AAC.02146-16).

- ❖ Presented oral presentation on “ Climate Change and Resurgence of Chickungunya in India” at International Conference on Advancements in Science and Technology (ICAST) held on April20-21,2017 at Rayat Bahra University, Mohali, Panjab in association with DRDO, New Delhi.

Dr.Ruchi

- ❖ Member of the organizing team in National Seminar on “Animal Diseases: Impact on Human Health and Control Issues” on 30th and 31st August, 2016.
- ❖ Member of the organizing team in the Workshop on “Novel Food Product Development – way forward to Skill India, held at Rajiv Gandhi National Institute of Youth Development, Chandigarh from Oct 13th, 2016 to Oct 17th, 2016.
- ❖ Poster presentation on "A study on the type and morphology of microbes responsible for spoilage in different types of foods" at National science day celebrations at DAV College, Sec 10, Chandigarh.

Dr.Sonu

- ❖ Best Poster Presentation titled ‘Analysis of Vitamin C Content and its Degradation during Storage in Amla and Amla Products’ at HETIS, 2016
- ❖ Member of the organizing team in the Workshop on “Novel Food Product Development – way forward to Skill India, held at Rajiv Gandhi National Institute of Youth Development, Chandigarh from Oct 13th, 2016 to Oct 17th, 2016.

Dr.Kirti Goel

- ❖ Member of the organizing team in the Workshop on “Novel Food Product Development – way forward to Skill India, held at Rajiv Gandhi National Institute of Youth Development, Chandigarh from Oct 13th, 2016 to Oct 17th, 2016.

Students Publications /Awards/Achievements/Activities:

- Students actively participated in Poster and Oral Presentations at UGC and INSA Sponsored 2 days National Level Seminar on “**Animal Diseases: Impact on Human Health and Control Issues**” on 30th and 31st August, 2016; organized by Department of Zoology & Department of Food Science.

- Kajal Karn and Ishita Sharma of MFT III year got 1st prize in Poster competition at National Level Seminar on “Animal Diseases: Impact on Human Health and Control Issues” on 30th and 31st August, 2016.
- Tamanna Awasthi of MFT III year got the Best Poster Presentation titled ‘Comparative Chemical Analysis of Green and Black Tea Brands’ at HETIS, 2016.
- Students actively participated in dissemination of knowledge about food safety to local street vendors during a workshop on “Awareness generation and dissemination of knowledge and skills about recent advances in nutrition and food safety” from 22-26 November, 2016 organised in collaboration with PGIMER.
- Students of MFT(III) year displayed various food and water adulteration kits and performed adulteration tests.
- Secured second position in Football inter college sports competition held on 8 January-12 January 2017 at Gursar Sidhar (Ludhiana)- Ramandeep Ghumman of BSc.(MFT) II year.
- Jayati Sharma of BSc.(MFT) III year bagged second prize in Poster making competition in Research category in National Seminar and Science Day celebrations held at DAV College, Sector 10, Chandigarh on 27-28th Feb, 2017.
- Nikita, Prabhleen and Jaspreet Kaur of BSc.(MFT) II year got first prize in poster making competition on the topic: “Hygienity of Swimming Pools’ in Science fest on 25March, 2017.
- Abhiruchi of BSc. MFT-II year got first prize in Science Coplay contest held during Science Fest at MCM DAV College in Science fest on 25March, 2017.