



MANAV RACHNA UNIVERSITY, FARIDABAD

Sector 43, Aravalli Hills, Manav Rachna Campus Rd, Faridabad, Haryana 121004

Dr. Meena Kapahi

Designation: Associate Professor

Qualifications: B.Sc., M.Sc. (Environmental Science), M.Tech. (Environmental Science & Engineering) from GJU, Ph.D. from the Department of Biotechnology, MRIIRS, Faridabad, India

Email: meenakapahi@mru.edu.in

Experience: 17 Years

Google Scholar Profile:

<https://scholar.google.com/citations?user=ZTY8dLYAAAAJ&hl=en>



Research Interest: Bioremediation, Mushroom Cultivation, Solid Waste Management, Menstrual Hygiene, Gardening, Accreditations & Rankings

+ Journal Publication Details:

Kapahi M., Sachdeva S. (2019) **“Bioremediation options for heavy metals pollution”**, J Health Pollution 9(24): (191203) 2019, DOI <https://doi.org/10.5696/2156-9614-9.24.191203> (Scopus)

Kapahi M., Sachdeva S. (2017) **“Mycoremediation potential of Pleurotus species”**, Bioresources and Bioprocessing, 4, 2017:32, DOI 10.1186/s40643-017-0162-8 (Scopus)

Joon V., Shahrawat R., Kapahi M. (2017) **“Electronic waste: an emerging environmental and public health problem in India**, Journal of Health and Pollution, 7(15), 2017, pp (1-7), DOI <https://doi.org/10.5696/2156-9614-7.15.1> (Scopus)

Bhatia C.M, Banga S., Khurana M., Malhotra S., Juneja B., Bhardwaj H., Kapahi M. (2006) **“Stand-Alone SCADA based Renewable Energy Power Station Suitable for Rural Application”**, IETE Technical Review, 23(5), pp (321-327), DOI <https://doi.org/10.1080/02564602.2006.11657961> (Scopus)

Khaiwal R, Mor S, Ameena (Kapahi M.), Kamyotra J.S. and Kaushik C.P. (2003) **“Variations in spatial pattern of criteria air pollutants before and during initial rain of monsoon”**, Environmental Monitoring and Assessment, 87, pp (145-153), DOI <https://doi.org/10.1023/A:1024650215970> (Scopus)

Khaiwal R., Ameena (Kapahi M.), Meenakshi, Monika, Rani and Kaushik A. (2003) **“Seasonal variations in physico-chemical characteristics of river Yamuna in Haryana and its ecological best-designated use”**, J. Environmental Monitoring, 5, pp (419-426), DOI <https://doi.org/10.1039/B301723K> (Scopus)

Mittal M., Makkar A., Kapahi M (2012) **“Cadmium removal from ground water by activated charcoal: effect of pH, temperature and contact time”** Indian Journal of Applied Chemistry, 3(1), 2012, pp (13-17).

+ Conference Publications:

Kapahi M., Sachdeva S. **“Oyster Mushrooms: Waste to Taste”**, published in the proceedings of Smart Cities in Smart Regions 2017 Conference LAMK, Finland published online January 2017, pp (126-136).

+ Book/Chapter Publications:

Kapahi M. (2018) **“Recent Advances in Cultivation of Edible Mushrooms”** In: Singh B., Lallawmsanga, Passari A. (eds) Biology of Macrofungi. Fungal Biology. Springer, Cham. DOI https://doi.org/10.1007/978-3-030-02622-6_13.

Pathak V.V., Kapahi M., Rani R., Tuteja J., Banga S., Pandey V. (2020) **“Organic Waste for Biofuel Production: Energy Conversion Pathways and Applications”**. In: Yadav A.N., Rastegari A.A., Yadav N., Gaur R. (eds) Biofuels Production – Sustainability and Advances in Microbial Bioresources. Biofuel and Biorefinery Technologies, vol 11. Springer, Cham. DOI https://doi.org/10.1007/978-3-030-53933-7_13.

Kapahi M., Rani R. and Kohli K. (2021) **“Fungal Biorefineries for Biofuel Production for Sustainable Future Energy Systems”**. In: Yadav A.N. (ed) Recent Trends in Mycological Research, vol 2. Springer Nature Switzerland. DOI <https://doi.org/10.1007/978-3-030-68260-6>.

+ Administrative Responsibilities:

“Chairperson” International Activities Committee" in MRU from 6/11/2017 till date

“Coordinator” Accreditations in MRU from 5/4/2018 till date

“Member” Academic Council in MRU

“Member” Anti-ragging Squad in MRU

+ Professional Affiliation:

Life member of Indian Society of Technical Education (ISTE) (LM-49619)

Life member of Mushroom Society of India (MSI) (<http://mushroomsociety.in/wp-content/uploads/2015/08/Life-Members.pdf>)

ISAS (Indian Society of Analytical Scientists) (LMT-2012/4)

Green Chemistry Network (GCNC) (0841/14/127)

Commission Member of International Union for Conservation of Nature (IUCN) - CEC Higher Education, Knowledge Management and Capacity Development Specialist Group,
Commission Member of International Union for Conservation of Nature (IUCN) - NatureForAll, CEPA, Social and Behaviour Change Communications Specialist Group,
Commission Member of International Union for Conservation of Nature (IUCN) - IUCN CEC South and Southeastern Asia

+ Expert Talk/Workshops Delivered

Invited as a visiting faculty in the **International Summer School 2017 "Codesigning Better Urban Living and Wellbeing" (29th May and 13th June 2017)**.

Invited as a speaker in the **“STC on Accreditation for Quality Assurance (NBA and NAAC Guidelines) organized by Media Engineering Department, NITTTR (Chandigarh) from November 2-6, 2020 to talk on “NAAC Preparation and Documentation”. The online session was conducted on 6th November 2020 (11:00 am – 1:00 pm)**.

Delivered **“Plant and Nourish online Workshop”** on Composting under environment-related activities as on August 22, 2020 as a part of the **“One Nation-Paryavaran Sanrakshan Gatividhi”**.

Delivered **“Best out of Waste Workshop”** at Jagriti Sewa Trust, Sector 16 branch, Faridabad during summer camp (16-31 May 2019).

Invited as an expert to conduct workshop on **“Waste Management: Waste to Taste”**, at RMS Risk Management Solutions India Pvt. Ltd., Noida, 20 July 2016.

Invited as an expert to conduct workshop on **“Oyster Mushrooms: Waste to Taste”**, in NITTR sponsored One Week Short Term Course on Environment, Development and Sustainability (4-8 July 2016) organized by Department of Humanities and Sciences, YMCA University of Science and Technology, Faridabad.

Invited as a speaker in the AICTE sponsored Faculty Development Programme on **“Solar Radiations: Green Options for Future”**, organized by the department of Mechanical Engineering, MRCE from 11-23 May 2015 to speak on **“Green Entrepreneurship”**.

Invited as a speaker in the “**National Workshop on Innovative Technologies for Water Detoxification**”, MRCE from 14-15 January 2013 to speak on “**Mushroom Farming: A Domestic Approach**”.

Invited as a speaker at the “**Education Expo**” organized by by Dainik Jagran Faridabad on 29-30 May 2015 to speak on the topic “**Let’s Go Green**”.

+ Event Organized (Conference/Seminar/FDP/Workshops)

Co-coordinator of International Conference on Sustainable Initiatives in Water Management at MRU organized by Department of Chemistry in association with Royal Society of Chemistry, London; Green Chemistry Network Centre, Delhi; and sponsored by Indian Oil R&D Centre, Faridabad on 6 March 2018.

Convener of National Seminar on Climate Change and Disaster Management organized by Manav Rachna Educational institutions (MREI) & the Centre for the Study of Administration of Relief (CSAR) on 18 June 2016 at MR campus.

Co-coordinator for AICTE sponsored Staff Development Programme on Environmental Impact Assessment (7-19 January 2008).

+ Patent

Kapahi M., Sand A., Bahal B.M., Ahuja A., “**Multipurpose Medicated and Biodegradable absorbent Material/Pad**”, Indian patent application no. 201811049912, filed on 31/12/2018 (published).

Kapahi M., Bahal B.M., Verma S., “**Horizontal Aerobic & Biodegradable Composting**” Design application no. **317375-001**, filed in 2019 (published).

Kapahi M., Bahal B.M., Ahuja A., “**S.W Rose Bin**”, Indian patent application no. 201711035100, **filed on 10/04/2017** (published).