



DEPARTMENT OF MICROBIOLOGY
GOVT. V.Y.T. PG AUTONOMOUS COLLEGE, DURG



National Conference
on
‘Promises and Challenges with Microorganisms’
On the occasion
of
International Microorganism Day
(17.09.2021)

As we all know, microbes are essential part of everyday life, their involvement in health and the environmental issues, and now as a study material for research made them substantial part of modern science.

During past one and half years, microbes have been much in the news. From outbreaks of Corona, to discussions on the benefits of raw and fermented foods, to capability to live in extreme environments and to the modest engineered microbe, Microorganisms become a figure for thinking of the presents and possible futures. Noting such dominant representations of microbial life, the impression has shifted now from an expression of danger, to one of promise, that microbes, especially when flourishing as microbial communities, are being supported as model ecosystems, and as suggestions of how microorganisms and human relations could, should, and might be.

This National Conference is devoted to celebration of International Microorganism Day with the view to discuss some of these issues. The theme and schedule of this National Conference is conceptualized to inculcate some new ideas among the young microbiologists.

With the hope, that this National Conference will contribute a major role for creating confidence among the budding scientists of microbiology to take the challenges and to keep promises in the field for social awareness.

Overall, 103 participants from Madhya Pradesh, Maharashtra, Uttar Pradesh, Meghalaya and Chhattisgarh were attended the Conference. The program started with the theme note of Convener Dr. Pragya Kulkarni followed by Message by IQAC Coordinator, Dr. Jagjeet Kaur Saluja and Blessings of Patron, Dr. R. N. Singh.

Dr. G.D. Sharma, Honourable V.C., University of Science & Technology, Meghalaya, India expressed his views as a key note speaker. He set the tone of the theme and discussed all the aspects on Microbiology to be explored by young scientists. Dr. R. Dubey, Professor, Dept. Of Botany and Microbiology, Gurukul Kangri Vishwavidyalaya, Haridwar, Uttarakhand, revealed the ancient records of Microorganisms in Vedic time. He clarified that the knowledge of disease-causing microbes was well known to ancient peoples even about the viruses too. The civilizations were also identified with the remedies too. The Vedic mantras are sheltered with the knowledge of causes, consequences and medications of diseases through microorganisms. Dr. Shashikant Ray, School of Life Sciences, Mahatma Gandhi Central University, Motihari (Bihar) concluded the role of FTZ protein in cell wall synthesis of Bacteria leading to preventing bacterial growth.

The lectures were followed by a poster presentation session by faculties and research scholars. Dr. Rasmi Parhar, Assistant Professor, Govt. ERR College of Science, Bilaspur, presented her work on the topic Evaluation of Bacterial Consortium efficacy to remove organic and inorganic contents of industrial waste water. Ms. Anamika Sharma, Research Scholar, Govt. VYT PG Autonomous College, Durg, presented her work on Entomopathogenic fungi: A potential source Biological Control and Ms. Prachi Jha, MATS University, Raipur, presented her work on Antibacterial activity of Biologically synthesized gold nanoparticles using Edible Mushroom, *Catharanthus* sp.

