

Speakers

Dr Sameer Srivastava, Principal Scientist, Joint Directorate of Research, IVRI, Izatnagar

Dr. Ram Chandra, Professor & Head, Department of Microbiology, Deputy Director (IQAC), BBAU, Lucknow

Dr. Pravindra Kumar, Professor & Head, Department of Biosciences and Bioengineering, IIT, Roorkee

Dr Bhupinder Singh, Head, Principal Scientist and Radiological Safety Officer, Division of Environment Sciences, IARI, New Delhi

Dr. Shelly Tomar, Professor, Department of Biotechnology, IIT, Roorkee

Dr Rajiv Ranjan, Dean, Outreach (Agriculture) Dayalbagh Educational Institute, Dayalbagh, Agra

Dr M.G.H Zaidi, Professor, Department of Chemistry, GBPUAT, Pantnagar

Dr Sonal Saxena, Senior Scientist, IVRI, Izatnagar

Dr. Farhan Jalees Ahmad, Professor School of Pharmaceutical Education and Research, Jamia Hamdard, New Delhi

Dr Jyoti Mathur, Associate Professor, Department of Bioscience and Biotechnology, Banasthali Vidyapith, Rajasthan



Brainstorming Session

Emerging Trends in Nanobiotechnology

15th December, 2023, Friday
10:00 AM to 05:00 PM

Moderator

Prof. A.K. Srivastava

Hon'ble Vice Chancellor
DUVASU, Mathura

Co-Chairman

Dr. Ashok Kumar

ADG, Animal Health, ICAR
New Delhi

Dr. M. Samim

Director, Center of Nano Science and Nano Medicine
Jamia Hamdard, New Delhi

Organized by:

College of Biotechnology and

Department of Veterinary Microbiology

U.P. Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan

Vishwavidyalaya Evam Go-Anusandhan Sansthan

(DUVASU) Mathura-281001 (UP)

Organizing Committee

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Chairman: Prof. S.K. Yadav, Dean, College of Biotechnology

Convener: Prof. Vikas Pathak, Dean CoVSc & A.H.

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About The University

U.P. College of Veterinary Science and Animal Husbandry was established in Mathura by Govt of U.P. in 1947. It was the first Veterinary College in Asia to confer the degree in Veterinary Science. In the year 1975, this College was made a constituent College of the newly established C.S. Azad University of Agriculture and Technology, Kanpur. However, keeping in view the requirement of trained and competent manpower in the field of Veterinary Science, Animal Husbandry, Fisheries and other allied disciplines and also to give a fillip to research on different aspects of cattle production, Govt. of Uttar Pradesh established U.P. Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalaya Exam Go-Anusandhan Sansthan, Mathura, the fourth Veterinary University in the country and the Veterinary College Mathura became the first constituent College of the university.



About The College of Biotechnology

College of Biotechnology fosters interdisciplinary knowledge of applied science and a dynamic academic environment to prepare students to address the most compelling biological challenges and various other pursuits, backed by intense knowledge, integrity, and deep understanding of research and innovation. The department also has modern infrastructure and scientific equipment to nourish both the academic and as well as research environment. The primary objective of the department is to educate students with an up-to-date and modern course curriculum, a global outlook, and an active industry-academia collaboration. This will help our students to excel in their life with domain-specific knowledge and practical skill and also prepare them to be ready for any sort of work for the welfare of society with a focus on improving healthcare, medicine, agriculture, and the environment. College of Biotechnology provides well-equipped laboratories to facilitate learning of basic and applied techniques. The institute's course structure provides a blend of multidisciplinary teachings that help students grab better career opportunities.

About The Session Theme

Nanobiotechnology is the interface of nanotechnology and biotechnology and it includes the application of nanotechnology in the life sciences. The term Nanobiotechnology refers to the combination of nanotechnology and biology. The concepts that are enhanced through nanobiology include: Nanoparticle, Nano device and Nano scale phenomenon that occurs within the discipline of nanotechnology. This approach to biology allows scientists to imagine and create systems that can be used for biological research. Revolutionary opportunities and future scope of nanobiotechnology are gaining its utmost importance in nano life sciences. Nanoparticles play a vital role in the delivery of biological treatments, which include gene therapy, RNA interference, cell therapy, vaccines, and antisense therapeutics. Nanobiotechnology has remarkably enhanced the efficiency of various techniques, including drug delivery, water and soil remediation, and enzymatic processes. Due to these aspects researchers from different universities should collaborate together to discuss how biotechnology will accomplish even more improvements in the future, and its incorporation with nanotechnology gets humankind one step closer to a sustainable future. From researchers at technology-centered companies and institutions to students pursuing a nanotechnology degree, pioneers in nanotechnology are making the latest breakthroughs in the various fields.

