



TERI University Biotechnology Society
Presents

BIOTIKOS 2017

TRENDS IN NANBIOTECHNOLOGY

28th-29th September 2017



TERI University

Plot No. 10, Institutional Area, Vasant Kunj, New Delhi -110070



BIOTIKOS 2017 “Trends in Nanobiotechnology”

TERI UNIVERSITY

The TERI University was established to disseminate the vast reservoir of knowledge devised by The Energy and Resources Institute (TERI), a not-for-profit, independent research institute recognized globally for its contribution to scientific and policy research in the realms of energy, environment and sustainable development. The TERI University’s academic offering is rooted in the comprehensive research, consultancy, and outreach activities of TERI.

In 1999, the University was granted the “Deemed to be University” status by the University Grants Commission (UGC) and notified vide the Ministry of Human Resources Development, Department of Education, Government of India, notification no. F.9/19/95-U-3, dated October 5, 1999. The University aspires to be an institution of advanced learning which meets the needs of a rapidly growing India. The academic programs are envisioned to provide the students with a holistic perspective of the subjects offered and encourage interdisciplinary learning.

BIOTOKOS 2017

The Greek word “Biotikos” means “matters pertaining to life”. Biotikos is an annual biotechnology seminar organized by TERI University Biotechnology Society (TUBS). This comprises of masters and doctoral level students sharing a commitment of generating awareness about latest breakthroughs and current issues in the field of Biotechnology. Biotikos was initiated in the year 2011 and was inaugurated by Dr. M.S. Swaminathan. Since then this program is organized each year to encourage students to pursue education and research in Biotechnology and contribute to research and development in this fascinating area.

TRENDS IN NANOBIO TECHNOLOGY- BOTIKOS 2017

TERI University Biotechnology Society is organizing an event on 28th-29th September 2017. The theme of the event is “**TRENDS IN NANOBIO TECHNOLOGY**”. The objective of TERI University Biotechnology Society (TUBS) is to highlight the important role played by biotechnology in the modern society, and its relevance to the contemporary imperative of sustainable development. Biotikos 2017 is being organized by the students and faculty Department of Plant Biotechnology, TERI University, to discuss and debate the promises and challenges of Nanobiotechnology. The proposed event is aimed at enlightening science undergraduates/post-graduate students and teachers about the upcoming areas in Nanobiotechnology and its applications in different scientific fields. Nanobiotechnology is growing as an independent discipline and it is adding a new dimension for the growth of biotechnology. Perhaps, nanobiotechnology is most revolutionary and multidisciplinary field of modern science and has great impact on society through various applications in medical, imaging and sensor development. Nanobiotechnology, with the help of medical and biotechnological tools, has been used to diagnose, image and deliver the drug to target cells. In multifunctional therapeutics, it offers a platform to expedite its specific targeting to tumor tissue and delivery of an effective treatment, with negligible harm to healthy cells. Nano-integrated sensors are being developed to identify the harmful microbes like Salmonella, and other contaminants on food products before packaging and intake. Nano scale bio molecules such as protein, nucleic acid and biopolymers regulate and control biological systems with incredible precision. This event includes a series of lectures, panel discussion, quiz and poster presentation across various domains of Nanobiotechnology such as nanomaterial, nanobioscience, nanomedicine, agriculture, environmental nanobiotechnology, nanobiosensors, etc.