

Department of Biotechnology

National Level Training cum Workshop on “Biogenic Nanoparticles and their Biological Activities in Clinical Trial”

08th to 10th February, 2018 (Batch I) & 8th to 10th March, 2018 (Batch II)

Report

The National Level Training cum Workshop on “Biogenic Nanoparticles and their Biological Activities in Clinical Trial” was successfully conducted by the Department of Biotechnology, Karpagam University, Coimbatore, Tamilnadu, India on 08th to 10th February, 2018 (Batch I) & 8th to 10th March, 2018 (Batch II) for UG, PG in Botany / Zoology / Microbiology / Biochemistry / Biotechnology / Bioinformatics degree students and research scholars from various institutions in and around Coimbatore.

Day 1 (Batch I: 8th February, 2018) (Batch II: 8th March, 2018)

The National Level Training cum Workshop on “Biogenic Nanoparticles and their Biological Activities in Clinical Trial” started with prayer song with the Blessings of Almighty God and financial support of our Chairman **Dr. R. Vasanthakumar**, Karpagam Educational Institutions. The programme initiated by lighting of lamp by **Dr. S. Sudalaimuthu**, Vice-Chancellor, Karpagam University, Coimbatore.

The welcome address rendered by **Dr. G. R. Prabhu**, Head, Department of Biotechnology, Karpagam University, Coimbatore and inaugural address was delivered by our beloved Vice-Chancellor **Dr. S. Sudalaimuthu**, Karpagam University, Coimbatore followed the programme felicitated by **Dr. M. Palaniswamy**, Dean, Faculty of Arts, Science and Humanities.

Lecture 1: “Nanobiotechnology in Medicine” by **Dr. K Kathirvelu**, Scientist, **DRDO, Bharathiar University, Coimbatore** has explained various medicines produced through Nanobiotechnology. He presented different varieties of nanomedicines, very impressive among the participants and also, he explained the values of nanomedicines and their sustainable utilization in India.

Lecture 2 (Practical session): The Experimental session of “Biogenic metal oxide nanoparticle synthesis” conducted by **Dr. P. Rajiv**, Assistant Professor, Department of Biotechnology, KAHE.

Day 2 (Batch I: 9th February, 2018) (Batch II: 9th March, 2018)

Lecture 3 : “Biosynthesis of metal oxide nanoparticle and their medical properties” delivered by **Dr. Chandrabose Selvaraj**, Senior Project Scientist, IIT, Mandi, Himachal Pradesh. He stated that, the importance of metal oxide nanoparticles in medical field. He explained clearly, nanomedicines to improve the Economic value and benefited the Society. Most of the participants were observed his lecture because of numerous researchers most of the researchers concentrating on biosynthesis of metal oxide nanoparticles.

Lecture 4 (Practical session): The practical session of “**Charaterisation by UV, IR and Biological properties of biogenic nanoparticles**” was conducted **Dr. A. Sangilimuthu**, Assistant Professor, Department of Biotechnology, KAHE. The practical session was very useful to the participants.

Day 3 (Batch I: 10th February, 2018) (Batch II: 10th March, 2018)

Lecture 5: “Nanotoxicology in Clinical Trial” lecture delivered by **Dr. P. Eakambaram**, Assistant Professor, Department of Biotechnology, Bharathiyar University, Coimbatore. In his lecture he explained various toxicological effect of nanoparticles synthesis. He has clearly explained about the toxic effect of nanoparticles on animals during clinical trial. His lecture was informative and he provided the tips to safety measures during nanoparticle synthesis.

Lecture 6 (Practical session): The practical session of “**Biological properties of biogenic nanoparticles on animal model**” was conducted **Dr. A. Sangilimuthu**, Assistant Professor, Department of Biotechnology, KAHE. The practical session was very useful to the participants.

Lecture 7 (Practical session): The Experimental session of “**Biological properties of biogenic nanoparticles on animal model**” conducted by **Dr. P. Rajiv**, Assistant Professor, Department of Biotechnology, KAHE.

Followed the tea break of 7th lecture session, the Coordinator displayed the Science academies’ published journals to the participants after announcements for review and reference.

Totally 50 (Batch I: 25 + Batch II: 25) participants were participated in three days National Level Training cum Workshop on “Biogenic Nanoparticles and their Biological Activities in Clinical Trial”” from various institutions like Vellalar College for Women, Erode, Poompukar College, Poombukar, Sri GVG Arts and Science College, Udumalpet, MET’s School of Engineering Collge, Trissur, Kerala, Shree Vasavi College, Selam, LRG Govt. Arts College, Tirupur, Dr.NGP Arts and Science College, Coimbatore, Nirmala College for women, Coimbatore, Kongunadu Arts and Science College, Coimbatore, PSG College of Arts and Science, Coimbatore, Vivekanada College, Tiruchengode, Sri Krishna Arts and Science College, Coimbatore, Govt. Arts College, Coimbatore and Karpagam University, Coimbatore.

After successful completion of three days national workshop, finally the vote of thanks was delivered by Dr. A. Sangilimuthu, Organizing secretary, National Workshop, Department of Biotechnology, KAHE and the workshop was concluded with National anthem.



Inaugural address given by Dr. G. R. Prabu



Technical session



Demo given by the experts



Lecture Session on biogenic nanoparticle synthesis



Vote of Thanks