



LECTURE ON “BASICS OF MOLECULAR BIOLOGY & BIOCHEMISTRY FOR SCHOOL STUDENTS” UNDER PRAKRITI PROGRAMME

The ICFRE-Institute of Forest Genetics and Tree Breeding, Coimbatore conducted lecture programme on “**Basics of Molecular Biology and Biochemistry**” for XI and XII standard biology students of Corporation Girls Higher Secondary School, Oppanakkara street, Coimbatore & Corporation SRP Ammaniammal Girls Higher Secondary School, R.S Puram on 7th & 8th September 2023 under the “Prakriti” programme. Forty eight students were participated. Dr. N.V. Mathish, Scientist-G & Head, Division of Plant Biotechnology and Cytogenetics welcomed the participants. This was followed by filming of “Walking Tall with trees” highlighting the research achievements of ICFRE-IFGTB. An introductory lecture on “Biosphere to DNA” was delivered by Dr. C. Kunhikannan, Director, ICFRE-IFGTB. He emphasized on the importance of understanding biological science, and its diversity. This was followed by a lecture on “Introduction to Biotechnology” delivered by Dr. R. Yasodha, Scientist-G & Group Coordinator Research and Dr. N.V. Mathish, Scientist-G & Head, Division of Plant Biotechnology and Cytogenetics. They narrated the importance of biotechnology which can be used as a vital tool to benefit the society.

The theme lecture in this series was delivered on “Biomolecules” by Dr. Rekha Warriar, Scientist-F & Head, Division of Chemistry and Bioprospecting and Mrs. R. Kalaiselvi, Senior Project Fellow, Division of Chemistry and Bioprospecting. They explained in-depth on the basic structure and function of micro and macro molecules such as amino acids, lipid, sugar, nucleic acids, protein and polysaccharides. This was followed by a short talk on “The history of DNA” delivered by Dr. Modhumita Dasgupta, Scientist-G, Division of Plant Biotechnology and Cytogenetics. The second theme lecture on “Basics of Molecular Biology” was delivered by Dr. A. Shanthy, Scientist-E, Division of Plant Biotechnology and Cytogenetics. The lecture covered the basics on nucleic acids including DNA structure and replication, RNA structure and protein synthesis.

Dr. Vigneshwaran from ENVIS, ICFRE-IFGTB addressed the students on “Life Mission” highlighting the importance of conservation of nature. Dr. S. Saravanan, Scientist-F & Head, Extension Division, enumerated the extension activities of the Institute for the school students. In his concluding remarks, Dr. C. Kunhikannan, Director, ICFRE-IFGTB urged the

students to enhance their knowledge base through regular interactions and in-depth reading. The program ended with vote of thanks by Mrs. S. Sudha, Technical officer, Division of Plant Biotechnology and Cytogenetics.

Lecture program for Corporation Girls Higher Secondary School, Oppanakkara street, Coimbatore held at ICFRE-IFGTB on 07.09.2023



Lecture Program for Corporation SRP Ammaniammal Girls Higher Secondary School, R.S Puram, Coimbatore held at ICFRE-IFGTB on 08.09.2023

