



**Tamil Nadu Agricultural University**  
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To  
The Editor,  
Sir,

Date: 02.05.2025

I request that the following message may kindly be published in your esteemed daily:

**TNAU organized a one-day seminar on**

**“From DNA to Ecosystem: a molecular insight into ecology”**

Molecular ecology plays a crucial role in evolutionary studies by providing a detailed understanding of genetic variation and its relationship to ecological processes. It enables researchers to investigate how evolutionary forces such as natural selection, genetic mutations, differential habitat, etc shape the genetic diversity within and between populations, ultimately contributing to a more complete understanding of evolution. Molecular ecology plays a vital role in conservation biology and population genomics by providing information about population genetics, species identification, and the effectiveness of conservation efforts.

The Centre for Plant Molecular Biology and Biotechnology of Tamil Nadu Agricultural University, organized a seminar entitled, “From DNA to Ecosystem: a molecular insight into ecology” on 30th April 2025. Two eminent stalwarts in the field of molecular ecology namely Dr. Ullasa Kodandaramaiah, Professor, Vanasiri Evolutionary Ecology Lab, IISER, Trivandrum and Dr. Kumarasamy Thangaraj, Bhatnagar Fellow, CCMB and Former Director, CDFD, Hyderabad, shared their insights and research findings for the benefit of post graduate and doctoral students of Molecular biology and biotechnology and agricultural entomology.

Dr. Ullasa shared his insights about the evolutionary ecology of butterflies, insect-host plant co-evolution and speciation. Dr. Kumarasamy Thangaraj in his lecture on the topic population genomics in public health deliberated on hominid evolution, mutations as the raw material for evolution and back mutation. He also discussed the relevance of research in the field of population genomics towards societal improvement.

During the inauguration of the event, Dr. E. Kokila Devi, Professor and Head, Department of Plant Biotechnology formally welcomed the participants. Dr. N. Senthil, Director, Centre for Plant Molecular Biology and Biotechnology delivered the presidential address. Dr. S. Mohankumar, Senior Professor, Plant Biotechnology felicitated the invited speakers. Dr. L. Arul, Professor and Head, Department of Plant Molecular Biology and Bioinformatics delivered formal vote of thanks.

**Public Relations Officer**