



Science Academies' Refresher Course on "Modern biotechnology tools for sustainable agriculture "

at
Department of Botany, Periyar University, Salem-636011

13 to 26 February 2019

Sponsored by.
Indian Academy of Sciences, Bengaluru
Indian National Science Academy, New Delhi
The National Academy of Sciences India, Allahabad

Refresher courses on "Modern biotechnology tools for sustainable agriculture" will be held at Department of Botany, Periyar University, Salem, Tamil Nadu for two weeks from 13 -26, February, 2019 may be highly useful and the experiments may be included in Universities, autonomous Colleges, and advanced science institutions involved in education. Besides, it can be take it forward by R&D institutions. It may be noted that UGC regulations include Refresher Courses in API scores for career advancement. The purpose of conducting this refresher course is to cater the needs of budding faculty members to motivate them towards research. Organizing this type of refresher course with eminent speakers in this area will enhance the interest of budding faculty members to pursue research in Biology. Modern biotechnology is still relatively expensive, and it may take years to fully develop a product, and even longer to put this product to practical use. The practical module of the course will be started with isolation, microscopic observation and other experimentation on Mycorrhizae. This will be followed by molecular biology, Rhizobium technology, bacterium-based fertilizer substitute, Nano-Food systems Sensors in Agriculture, Agrobacterium and plant genetic engineering, Gene Targeting