



JAMAL MOHAMED COLLEGE (Autonomous)

Accredited (3rd Cycle) with 'A' Grade by NAAC

DBT-STAR College Scheme and DST –FIST funded

(Affiliated to Bharathidasan University)

Tiruchirappalli - 620 020

Interdepartmental Satellite Symposium on Interdisciplinary Studies in Biological Sciences 18th and 19th January 2023

Organized by

PG and Research Department of Botany

(Under DBT Star College Scheme)

INTERDISCIPLINARY STUDIES IMPORTANCE

The knowledge economy requires learning many academic disciplines which address many challenges and needs faced by societies. Many of the challenges we face today are new, hence it will require innovative approaches and solutions to overcome problems. The innovation arises by the students will make connectivity between ideas and concepts across different disciplines. Students learning in this way are able to apply the knowledge gained in one discipline to another different discipline as a way to deepen the learning experience. Also Students studying more than one subject (or discipline) have a unique opportunity to readdress those subjects and their approaches. Also multi-disciplinary students are able to take 'knowledge' from one subject area and apply or compare it to another. National Biotechnology Strategy 2021- 25 by Department of Biotechnology, Government of India aims to the strengthen the skills focused to update the biotechnology curriculum with special emphasis on interdisciplinary areas, IPR and regulatory aspects. Based on this, Department of Botany, Jamal Mohamed College (Autonomous) organizing two day Interdepartmental Interdisciplinary programme for benefit of the Undergraduate science students under the DBT Star College Scheme.

Mathematical Biology



Dr. Felix Bast

Professor and Head

Department of Botany, School of Basic Sciences
Central University of Punjab, Punjab,

Nanobiotechnology



Dr. P. Sureshkumar

Professor & Head

Department of Biotechnology
University College of Engineering(BITcampus)
Tiruchirappalli, TN

Implications of Computer
Stimulations in Design of
Lead Molecules



Dr. A. Puratchikodi

Professor and Head

Department of Pharmaceutical Technology
University College of Engineering (BITcampus)
Tiruchirappalli, TN

Remote Sensing Application
in Biodiversity



Dr. K.R.L. Saranya

Research Associate,

National Remote sensing Centre (NRSC)
Indian Space Research Organisation
Hyderabad.

IPR and Biodiversity



Dr. Sanjeeva Kumar Majumdar

Manager, IPR and Incubation
National Research Development Corporation
Delhi, India.

Fabrication of a Biosensor:
Overview of Methods



Dr. V. Manickam

Assistant Professor

Department of Electronics
St.Joseph's College, Tiruchirappalli

Dr.H.Syed Jahangir
Departmental Coordinator
DBT Star College Scheme

Dr.M.Ghouse Basha
Head, Department of Botany
and Dean of Science

Dr.S.Ismail Moideen
Principal