



175 Years
of Educational Excellence



A Two - week Science Academies' Refresher Course on "Known to Unknown Techniques in Biology" **1 – 15 November 2018**

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Rector, St. Joseph's College (Autonomous)

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COURSE COORDINATOR

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Last date for receipt of Applications : 8 October 2018
Selected participants will be informed on : 10 October 2018

Organized by
**PG & RESEARCH DEPARTMENT OF BOTANY
ST. JOSEPH'S COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI**

Dr. D.J. Bagyaraj, Course Director
Dr. T. Francis Xavier, Course Coordinator

HOST INSTITUTION

St. Joseph's College upholds and radiates Goodness and Truth in its endeavour to impart quality higher education. It is an affiliated First Grade College of the Bharathidasan University. It was established in 1844 by the Fathers of Society of Jesus. It was affiliated to the then Madras University in 1869. The College celebrated its centenary in 1944, sesquicentenary in 1995 and acquired the Five Star Status, awarded by NAAC in 2000. It was recognised by UGC as a College with Potential for Excellence (CPE) in 2004 and was reaccredited by NAAC with A Grade in 2011. Recently our college was recognised by UGC as a College of Special Heritage Status in 2015. This Jesuit College trains young men and women of quality to be leaders in all walks of life so that they may serve the people of the nation in truth and justice. This year our college proudly celebrates the 175th Year of Educational Excellence.

ABOUT THE DEPARTMENT

The history of the Botany Department dates back to the year 1912, when the study of Natural Science was introduced. Many students of this department later became brilliant doctors in India and abroad. Former President of India Dr. S. Radhakrishnan, declared open the present Botany Block in 1958, when he was Vice-president. The department is DST – FIST and DBT- STAR supported, have separate research facilities for Clinical Microbiology, Molecular biology, and Physiology. The Faculty members undertake research in Molecular Genetics, Taxonomy, and Medicinal plant research. The Faculty has received several awards and Research grants from funding agencies like UGC and DST.

Sponsored & Supported By

**INDIAN ACADEMY OF SCIENCES, BENGALURU
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ABOUT THE PROGRAMME

A refresher course on 'Known to Unknown Techniques in Biology' will be held at PG and Research Department of Botany, St Joseph's College, Tiruchirappalli, Tamil Nadu for two weeks from 1 to 15 November 2018. The main aim of the Refresher Course is to improvise on teaching methodologies and also gets familiar with basics to advanced laboratory techniques in Biology. The contents of this course have been designed with the objective of introducing biology teachers to concepts and experiments pertaining to 'Known to Unknown Techniques in Biology' which are essential for a student who is pursuing studies in any branch of biology today. The practical module of the course will start with isolation, microscopic observation and other experimentation on Mycorrhizae. This will be followed by molecular biology, where participants will gain experience in various Biotechnology tools for conservation, genetic resource and biodiversity. Gene transfer in bacteria by transformation, PCR and restriction digestion can also be handled. The hands-on experiments would be accompanied by special lectures by eminent scientists from these fields.

The UGC has notified (F-3/1-2009) that teachers in Universities & Colleges attending two-week Refresher Courses are entitled to be considered for promotion

Applications are invited from teachers with experience in teaching postgraduate courses in Life Sciences. Applications from highly motivated Research Scholars will also be considered. Up to 45 applications will be considered. Teachers who wish to participate in the refresher course may apply through proper channel with the following details: name, date of birth, gender, e-mail, official and residential addresses, telephone numbers, academic qualifications, courses taught, affiliation, positions held and tenure. It is also essential to submit a brief statement (between 250 and 500 words) as to why they think the Course will help to improve their classroom teaching of Life Science. **There will be No application fee/registration fee.**

Applications should be submitted **ONLINE** by clicking the following link :
<http://web-japps.ias.ac.in:8080/Refreshcourse/BSJP.jsp>