



## ENTREPRENEURIAL SKILL DEVELOPMENT TRAINING PROGRAMME ON BIOLOGICAL TECHNIQUES

**13<sup>th</sup> April, 2023**

**Organized by**

**Department of Zoology**

**Holy Cross College (Autonomous), Nagercoil, India.**

Accredited with 'A<sup>+</sup>' Grade (CGPA 3.35) by NAAC (IV Cycle)  
Affiliated to Manonmaniam Sundaranar University, Tirunelveli

**In Collaboration with**

**IIC, Holy Cross College, Nagercoil  
&  
Inbiotics, Nagercoil**

**Venue**

**Department of Zoology  
Holy Cross College (Autonomous)  
Nagercoil – 629 004, Tamil Nadu, India.**

### **About the College**

Holy Cross College, Nagercoil, the first Women's College in Kanyakumari District administered by the Congregation of the Sisters of the Cross of Chavanod was established in 1965 and elevated to autonomous status in 2007-2008. It is a prestigious institution committed to empower women both personally and professionally, offering diverse opportunities for staff and students to explore, excel to fulfill their corporate responsibilities through the 'Crossian model'. This year's theme, "Initiate, Innovate and Collaborate" reflects the college's dedication to cultivating a collaborative and innovative learning environment that encourages initiative and empowers students to make a positive impact. With 11 undergraduate, 10 postgraduate, 1 M.Phil. and 9 Ph.D. programs, Holy Cross College is known for its unique discipline and academic excellence, dedicated to preparing students for their rightful place and responsibility in the society.

### **Department of Zoology**

The Department of Zoology, established in 1966, is a renowned centre for learning, research and extension activities. It was raised to a P.G. Department in 1979, and a Research Department in 2000. The department hosted an UGC sponsored 'UG Vocational Sericulture' program in 1999 and an innovative 'M.Sc. Biomedical Sciences' Program in 2006. With a well-equipped DST – FIST sponsored laboratory, the department empowers economically and socially disadvantaged girls to become academicians, scientists and entrepreneurs. Our focus areas of research include Immunology, Crustacean Physiology, Endocrinology, Integrated Pest Management, Radiation Biology, Environmental Biology and Molecular Taxonomy. From its inception, the department has been committed to promoting academic skills, research aptitude and societal commitment, providing excellent training in both theoretical and practical aspects of zoology and encouraging them to push boundaries and make meaningful contributions to the field of zoology.

### **Inbiotics, Nagercoil**

Inbiotics Pvt. Ltd, offers comprehensive & in-depth practical hands-on training, in a real-life environment, which enables the participants to master the skills in Microbiology, Clinical Biochemistry, Phytochemistry, Molecular Biology, BioInformatics and Animal Cell culture techniques. The Industrial internship Program aims to provide industry specific training to students for skill development and is specially designed for students to gain 'hands-on' training experience hence enhancing their job opportunities in healthcare industry.

### **About the Program**

The program aims to train young biologists in basics of bioinstrumentation, including its working and applications. The programme covers both theoretical and practical aspects of basic biological techniques and includes hands-on training sessions for students and research scholars of science disciplines. The programme seeks to create a talent pool of scholars with expanded scientific research knowledge and is designed to keep students up-to-date with the recent advances in the field of Biology.

## Training

Techniques	Resource Person
<b>Molecular Techniques</b> DNA - Isolation, Amplification (PCR) & Separation (AGE) Protein Isolation (Affinity Chromatography) Protein Separation (SDS-PAGE) Western Blotting ELISA	Dr. A. Punitha & Dr. M. Arun Vijay Dr. C. Josephine Priyatharshini Dr. C. Anitha & Dr. A. Punitha Dr. S. Prakash Shoba Dr. M. Arun Vijay
<b>Microbial Techniques</b> Medium Preparation and Sterilization, Microbial Culture and Colony Analysis (Colony Counter)	Dr. X. Venci Candida & Dr. C. Anitha

### Registration Fees

<b>Faculty</b>	<b>: Rs. 400/-</b>
<b>Research scholars</b>	<b>: Rs. 350/-</b>
<b>Students</b>	<b>: Rs. 300/-</b>

- Delegates are requested to confirm your participation on or before 10<sup>th</sup> April, 2023. Registration fee can be paid on the day of the workshop.
- Refreshments and working procedure will be provided.

## Organizing Committee

### Patron

**Dr. Sr. M. Mary Hilda**, Secretary, Holy Cross College (Autonomous), Nagercoil.

### Chairperson

**Dr. Sr. S. Sahayaselvi**, Principal, Holy Cross College (Autonomous), Nagercoil.

### Conveners

**Dr. F. Brisca Renuga**, Head of the Department of Zoology,  
Holy Cross College (Autonomous), Nagercoil.

**Dr. KP. Srinivasakumar**, Chief Scientific Officer, Inbiotics Pvt. Ltd., Nagercoil

### Organizing Secretaries

**Dr. S. Mary Mettilda Bai**, Assistant Professor of Zoology

**Dr. C. Anitha**, Assistant Professor of Zoology & Member of IPR Cell, IIC,  
Holy Cross College (Autonomous), Nagercoil

**Dr. M. Arun Vijay**, Scientific Officer, Inbiotics Pvt. Ltd., Nagercoil

### Organizing Committee members

Dr. J. Vinoliya Josephine Mary, Assistant Professor	Dr. C. Josephine Priyatharshini, Assistant Professor
Dr. A. Shyla Suganthi, Assistant Professor	Dr. A. Punitha, Assistant Professor
Dr. P.T. Arokya Glory, Assistant Professor	Dr. X. Venci Candida, Assistant Professor
Dr. Jeni Chandar Padua, Assistant Professor	Dr. S. Prakash Shoba, Assistant Professor

**Registration Form**

**Entrepreneurial Skill development Training  
programme on Biological techniques**

13<sup>th</sup> April 2023

**Name** : Mr/ Ms/ Dr. \_\_\_\_\_

**Designation:** Scientist/ Faculty / Scholar / Student

**Institution** : \_\_\_\_\_  
\_\_\_\_\_

**Address** : \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Contact No:** \_\_\_\_\_

**E-mail ID** : \_\_\_\_\_

**Signature**

**Please send the filled in registration form to organizing secretaries**

- Photocopy of the registration form can also be used.
- No TA and DA will be provided to the participants.

**Address for Communication**

The Organizing Secretaries

“Entrepreneurial Skill development Training programme on Biological techniques”

Department of Zoology, Holy Cross College (Autonomous), Nagercoil, Tamil Nadu, India

Mobile: 9442456591 & 8754974421

Email: [marymetildabai@holycrossngl.edu.in](mailto:marymetildabai@holycrossngl.edu.in) & [anitha.c@holycrossngl.edu.in](mailto:anitha.c@holycrossngl.edu.in)

## Programme Schedule

- Registration : 9.00 am to 9.30 am  
Inauguration : 9.30 am to 10.00 am  
Welcome Address : **Dr. S. Mary Mettilda Bai**, Organizing Secretary  
Keynote Address : **Dr. KP. Srinivasakumar**, Chief Scientific Officer, Inbiotics Pvt. Ltd., Nagercoil  
MoU Renewal : **Dr. F. Brisca Renuga**, Head of the Department of Zoology, Holy Cross College  
&  
**Dr. KP. Srinivasakumar**, Chief Scientific Officer, Inbiotics Pvt. Ltd., Nagercoil  
Felicitation : **Dr. Sr. M. Mary Hilda**, Secretary, Holy Cross College, Nagercoil

## Technical Session

Parallel Sessions

### Molecular Techniques

- DNA Isolation, Separation and Amplification
- Protein Isolation by Affinity Chromatography
- Protein Separation – SDS-PAGE
- Western Blotting
- ELISA

Tea break: 11.00 am to 11.30 am

### Microbial Techniques

- Medium Preparation and Sterilization
- Microbial Culture
- Colony Analysis (Colony Counter)

Lunch break: 1.00 pm to 1.30 pm

## Valedictory Session: 3.00 to 4.00 pm

- Valedictory Address : **Dr. F. Brisca Renuga**, Head of the Department of Zoology,  
Holy Cross College, Nagercoil.  
Distribution of Certificates : **Dr. Sr. P. Leema Rose**, Vice Principal,  
Holy Cross College, Nagercoil.  
Report & Vote of thanks : **Dr. C. Anitha**, Organizing Secretary  
National Anthem