

Important dates

Last date for submission of abstract : 20 Dec. 2022
Acceptance intimation : 23 Dec. 2022
Last date for registration : 30 Dec. 2022

Registration and abstract submission

Either through google form or e-mail the filled registration form along with payment receipt and abstract

Google form : <https://forms.gle/48JibEBbzQ2XYDFR7>

E-mail : stxczoology@gmail.com

Programme Schedule*

*Tentative & Subject to change

DAY 1

08.30 am : Registration
09.30 am : Inauguration
10.45 am : Keynote address
11.45 am : Plenary lecture 1
02.00 pm : Plenary lecture 2
03.00 pm : Paper presentation

DAY 2

09.30 am : Plenary lecture 3
11.00 am : Plenary lecture 4
12.00 noon : Plenary lecture 5
02.00 pm : Poster session
02.30 pm : Paper presentation
03.45 pm : Valediction

About Tirunelveli

Also known as Nellai, is a major city located in the south-west Tamil Nadu. The down town is on the west bank of Thamirabarani river and its twin Palayamkottai is on the east bank, renowned as the Oxford of South India being a hub of many schools and colleges. The city is famous for its historical monument – Nellaippar temple, iconic sweet – Iruttukadai halwa, and the only perennial river of the state – Tamirabarani having its origin from Pothigai hills of the Western Ghats with seven major tributaries draining 4400 sq.km crossing Karaiyar, Papanasam reservoirs and seven dams making nine waterfalls in its course and with its scenic Mundanthurai reserve forests, Manjolai hills, Agasthiyamalai biosphere reserve, Kalakkadu reserve forests and Kuttralam hills that harbours rich biodiversity. Tirunelveli is well-connected by road, rail and air with nearest airport Tuticorin (22 km). Port city Thoothukudi (50 km) and India's end Cape Comorin Kanyakumari (70 km) are notable tourist destinations in vicinity.

Resource persons



Keynote speaker

Fr. Dr. S. Ignacimuthu, S. J.
Director, Xavier Research Foundation,
St. Xavier's College, Palayamkottai

Plenary speakers



Dr. A. Hannah R. Vasanthi
Professor & Head,
Department of Biotechnology,
Pondicherry Central University, Puducherry



Dr. M. Radhakrishnan
Scientist E,
Centre for Drug Discovery and Development,
Sathyabama Institute of Science and Technology,
Chennai



Dr. S. Kalidass
Associate Professor & Head,
Department of Animal Sciences,
Manonmaniam Sundaranar University,
Tirunelveli



Dr. Arun A. Rauf
Associate Professor,
Department of Biochemistry,
University of Kerala,
Thiruvananthapuram



Dr. Prabath G. Biju
Assistant Professor,
Department of Biochemistry,
University of Kerala,
Thiruvananthapuram

Advisory board

- **Dr. F. Brisca Renuga**, Associate Professor, Dept. of Zoology, Holy Cross College, Nagercoil
- **Dr. K. Sunil Jose**, Assistant Professor, Dept. of Zoology, Deva Matha College, Kottayam
- **Dr. C. F. Binoy**, Assistant Professor, Dept. of Zoology, St. Thomas College, Thrissur
- **Dr. Advait Bhagade**, Associate Professor, Dept. of Zoology, St. Francis De Sales College, Nagpur
- **Dr. Emma R. Seraphim**, Assistant Professor, Dept. of Zoology, Nirmala College, Ranchi
- **Dr. Jenny Jacob**, Associate Professor, Dept. of Biosciences, Mar Athanasios College, Tiruvalla
- **Dr. S. Rajalakshmi**, Chairman, Nature Science Foundation, Coimbatore
- **Dr. G. Jeya Jothi**, Associate Professor, Dept. of Plant Biology and Biotechnology, Loyola College, Chennai
- **Dr. M. Gabriel Paulraj**, Project scientist, Advanced Institute for Wildlife Conservation, Vandalur, Chennai
- **Dr. J. A. Johnson**, Scientist E, Habitat Ecology, Wildlife Institute of India, Dehradun
- **Dr. G. Chelladurai**, Assistant Professor, Dept. of Zoology, GVN College, Kovilpatti
- **Dr. M. Sasirekhamani**, Assistant Professor, Dept. of Microbiology, Kamaraj Women's College, Thoothukudi
- **Dr. K. Diraviyaraj**, Assistant Professor, SDMRI, Tuticorin
- **Dr. R. Mary Josephine**, Associate Professor, Botany, Nirmala College for Women, Coimbatore

Organizing committee

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Principal, St.Xavier's College

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Dr. P. Raja
Head of the Department, Dept. of Zoology, St.Xavier's College

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SXC-CENTENARY YEAR 2022-23

NATIONAL CONFERENCE ON “RECENT PROGRESS IN BIOPROSPECTING - DERIVED THERAPEUTIC PRODUCTS”

*“Discovering natural treasures today
for shaping a healthier tomorrow”*



Venue : Fr. Caussanel Hall, St. Xavier's College,
Palayamkottai

Date: 12 & 13, January 2023

Organized by

Department of Zoology
(DBT-STAR & DST-FIST sponsored)



ST. XAVIER'S COLLEGE (AUTONOMOUS)

(Recognized as 'College with Potential for Excellence' by UGC)

(Accredited by NAAC at A** Grade with a CGPA of 3.66/4 in the IV cycle)

(Affiliated to Manonmaniam Sundaranar University)

Palayamkottai, Tamil Nadu

About the college

St. Xavier's College was established at Palayamkottai in 1923 by Jesuit Fathers of the Jesuit Madurai Province with an aim of preparing generations of students for a happy, healthy and harmonious life. The motto of the college is *Veritate Lumen et Vita* (Light and Life through Truth). It is a grant-in-aid institution recognized by the UGC Act under sections 2(f) and 12(B). The college is affiliated to the Manonmaniam Sundaranar University. In recognition of its service and excellence, the college was granted autonomy in 1987. The UGC awarded the status "College with Potential for Excellence" in 2004 and again in 2010, 2014 and 2019. The NAAC accredited at A++ grade with a CGPA of 3.66/4 in IV cycle in 2019. STAR College scheme has been awarded by DBT, Govt. of India. In the ranking conducted by NIRF, the college ranks 68 in College Category in 2022. Today more than 4500 students study in 16 post-graduate and under graduate departments. Doctoral research is carried out in 12 departments. With great pride and joy the college celebrates its centenary this year.

About the department

The Department of Zoology was started in 1927 when the subject was taught to intermediate students. B.Sc. program was incepted in 1957 and upgraded to M.Sc. in 1979. The department was recognized a research department in 1985 with Ph.D. program and M. Phil. program offered since 1986. In the years 2003 and 2018, the department was recognized as DST-FIST sponsored department. In 2014, the department was included under STAR-College Department Scheme offered by the Department of Biotechnology, Ministry of Science and Technology, Govt. of India. The department in 2018 celebrated its Diamond Jubilee commemorating its 60 successful years. At present, the faculty members have individual laboratories and guide research scholars for their doctoral degree and work in areas of basic and applied aspects of applied zoology, aquaculture, agriculture zoology, medical entomology, insect immunology, wildlife biology, phytochemistry and pharmacology.

About the conference

India is gifted with immense faunal and floral diversity. Its rich biodiversity is matched equally with its rich cultural diversity and unique wealth of traditional knowledge system. The traditional knowledge associated with biodiversity are found to be the most valuable lead for modern technological innovations and in developing novel functional foods, nutraceuticals, medicines, phytochemicals and other products for human welfare. With the interventions of science and technology and with the advent of new tools and techniques, bio-resources can be converted into valuable products and applied in many crucial areas such as agriculture, aquaculture, healthcare, medicines, vaccines, diagnostics, gene-therapeutics, environmental protection and bio-energy. This national conference on "Recent progress in bio prospecting-derived therapeutic products" aims at exploration and documentation of small molecules, macro molecules, biochemical and genetic information from natural resources as a promising source to develop commercially valuable products in agricultural and pharmaceutical sectors.

Objectives of the conference

1. Generate new knowledge of the recent advances in the chemistry, biosynthesis and biological properties of natural products.
2. Bring together experts in the area of bio-prospecting for novel drug discovery, design and development.
3. Create a platform for budding researchers to interact with specialists in the field.
4. Evaluate the role of naturally derived products in treating emerging diseases and controlling destructive agents.
5. Share the results and discussions of the conference with scientists, leaders, industrialists, policy makers and interested public in order to reach constructive and progressive approaches for enriched life.

Call for abstracts

Abstracts from the following topics relevant to the conference theme are invited from interested participants. Conference ABSTRACT BOOK and/or PROCEEDINGS (for peer- reviewed papers) will be published with ISBN.

- **Biofertilizers**
- **Biopesticides and bioinsecticides**
- **Veterinary antibiotics**
- **Bioremediation**
- **Cosmetics and personal care products**
- **Pharmaceuticals and nutraceuticals**
- **Herbal drugs and pharmacokinetics**
- **Ethnomedicine**
- **Bioactivity and toxicity screening**
- **Secondary phytoconstituents**
- **Active ingredient isolation and characterization**
- **Structure determination, elucidation and analysis**
- **Bioinformatics & chemoinformatics**
- **Marine natural products**
- **Metabolic and degenerative disorders**
- **Infectious disease management**
- **Nanoparticles in drug development and delivery**
- **Biodiversity conservation and management**
- **Bio-prospecting policies and biopiracy**

Registration fee

- UG / PG student : **Rs. 300/-**
Research scholar : **Rs. 600/-**
Faculty / Scientist : **Rs. 900/-**

Registration is compulsory for both the participants and presenters. Registration fee includes conference kit, working lunch and tea on both days. For accommodation contact the organizers. NO SPOT REGISTRATION

Bank details

- Bank : Indian Bank, Maharaja Nagar, Tirunelveli
Branch Code : 2667
A/c. name : S. Mabel Parimala
A/c. no. : 722540015
IFSC code : IDIB000M303

Contact us :

- Email: srczoology@gmail.com
Dr. S. Mabel Parimala (9600550844)
Dr. T. Elizabeth T. Sunitha (7010779536)

REGISTRATION FORM

Department of Zoology
St. Xavier's College (Autonomous)
National Conference on Bioprospecting
12 & 13 January 2023

Name

Designation

Institution & Place

State

Mobile number

Registration fee : ☐ UG/PG student (Rs. 300)
☐ Research scholar (Rs. 600)
☐ Faculty/Scientist (Rs. 900)

Attached pay receipt : Yes / No

Food preference : Veg / Non-veg

Registered as : Participant / Presenter*

***If presenter, fill the details below**

Mode of presentation : Oral / Poster

Abstract title

Contributing authors

Presenting author

Affiliation

Email for correspondence

Attached abstract : Yes / No (as MS-Word file
Include title, authors, affiliations, corresponding author
Email ID, abstract not exceeding 250 words and
keywords)

Keywords

Send the filled registration form along with
payment receipt (.jpg file) and abstract (.doc file) to
srczoology@gmail.com