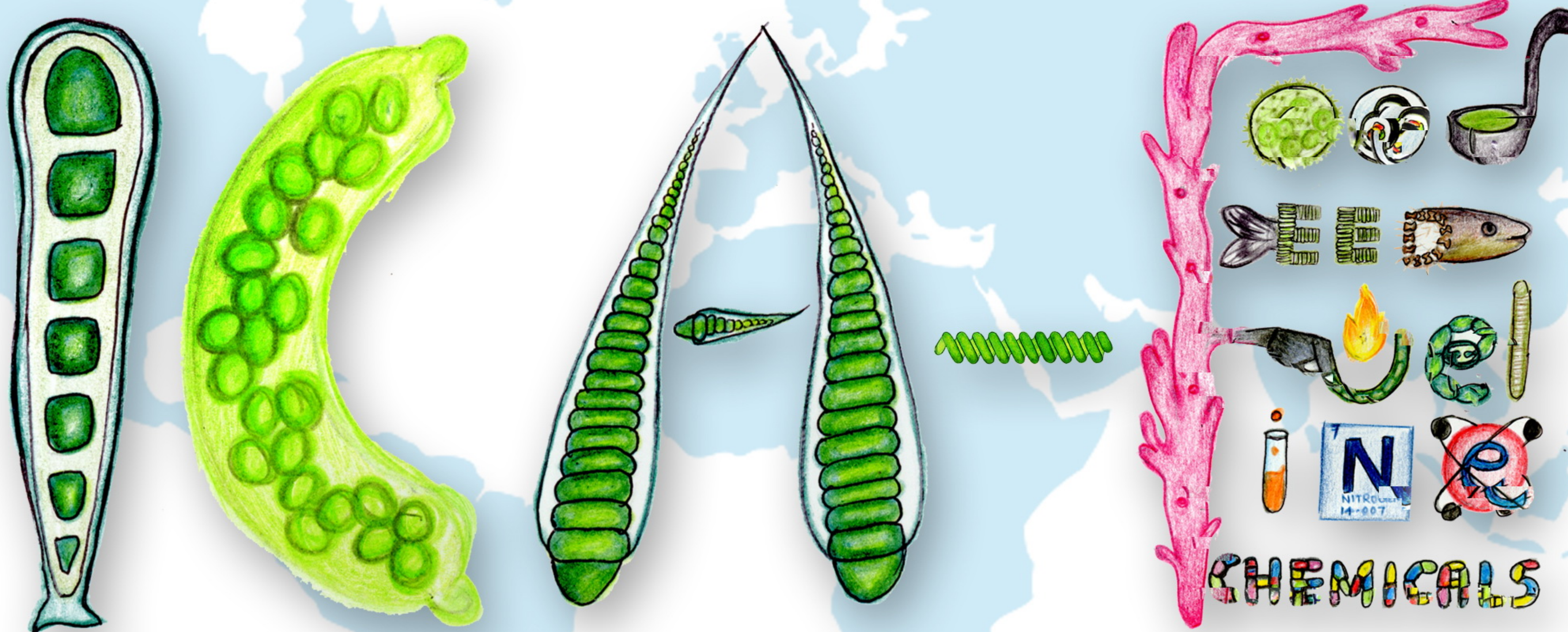


INTERNATIONAL CONFERENCE ON ALGAE FOOD,FEED,FUEL AND FINE CHEMICALS

SEPTEMBER 6th to 8th 2023



Organized by



**Department of Microbiology
School of Life Sciences
Bharathidasan University
Tiruchirappalli -620 024
Tamil Nadu,India.**

National Repository for Microalgae and Cyanobacteria (NRMC)
Freshwater & Marine Units
(Sponsored by Dept. of.Biotechnology, Govt. of. India)
Bharathidasan University
Tiruchirappalli -620 024



BHARATHIDASAN UNIVERSITY

The Bharathidasan University (BDU) was established in 1982 and is named after Great Revolutionary Tamil Poet Bharathidasan with a motto of "Create a Brave New World". The University is one among those recognized by University Grants Commission are receiving grants as per section 12B of UGC Act. It is member of the association of Common Wealth Universities. The University perform excellent teaching, research and extension services through Schools / Departments / Centres of excellence and through its affiliated colleges. There are over 250,000 students undergoing in various Diploma / Under Graduates and Post Graduates / Research programmes in the affiliated colleges / University Departments. BDU is accredited with 'A+' grade by NAAC, ranked 41 among Indian Universities (NIRF, 2023), 8th rank by EW India Higher Education rankings- 2023. The University main campus (Palkalaiperur) is located 15 Kms from Tiruchirappalli Railway Junction and 9.5 kms from Tiruchirappalli International airport. For more details about BDU, kindly visit our university website: (www.bdu.ac.in)

NATIONAL REPOSITORY FOR MICROALGAE AND CYANOBACTERIA-MARINE (formerly NFMC)

National Facility for Marine Cyanobacteria, (Sponsored by DBT, Govt. of. India), presently NRMCM - Marine Unit, Bharathidasan University takes pride in being the only facility in the world dedicated solely to the field marine cyanobacterial research. It was incepted in the year 1991 by the untiring efforts of our great Prof. G. Subramanian (known as Dr.GS), Founder Director of NFMCM

Its main objectives are,

- 1) Survey the entire coast of line of India and establish germplasm collection of marine cyanobacteria as well as cryophilic cyanobacteria and microalgae from Arctic and Antarctic environment.
- 2) Carryout, basic and molecular biology research resulting in both the understanding of basic biology as well as exploration of these organisms with a view to develop technologies towards human welfare.
- 3) Carryout genome wide hunt of cyanobacterial genomes.
- 4) Whole genome sequencing of potent marine cyanobacteria.
- 5) Develop well trained human resource on taxonomy and biotechnology of cyanobacteria through annual workshops and conferences.
- 6) Provide marine cyanobacterial and microalgal cultures to the needy researchers and also to utilize instruments and other facilities.



Dr. G.SUBRAMANIAN

NATIONAL RESPOSITORY FOR MICROALGAE AND CYANOBACTERIA- Freshwater (NRMCF) Unit

Following the footsteps of Prof. GS, Prof. N. Thajuddin, established National Repository for Microalgae and Cyanobacteria - Freshwater Unit at Bharathidasan University, Tiruchirappalli, Tamilnadu is exclusively for freshwater Microalgae and Cyanobacteria with the total financial support from Department of Biotechnology (DBT), Govt. of India from the year 2015. The Repository would carry out an extensive survey of the freshwater bodies of South India; to explore the spatial and temporal diversity of freshwater microalgae and cyanobacteria and their relation to abiotic ecological factors. Along with this the diverse biotechnological applications of microalgae and cyanobacteria towards production of biofuels, proteins, pigments, bioactive compounds will also be explored.

Presently both the repositories (NRMCF-Marine & Freshwater) houses about 1500 microalgae and cyanobacterial strains representing mesophilic, thermophilic, and hypersaline Indian isolates including Arctic and Antarctic (psychrophilic) regions. The repository is also registered with the World Data Centre for Microorganisms (WDCM, registration number 976) and also in the member of World Federation for Culture Collections (WFCC). Entire list of cultures along with microscopic images including GPS data are available at the following dedicated

websites :

<http://nfmc.bdu.ac.in>,

<https://www.bdu.ac.in/centers/NRMCF/>



DEPARTMENT OF MICROBIOLOGY

The Department of Microbiology emerged from the parent Department of Botany during 1992. A post graduate programme on Microbiology was started during the year 1994. Students are admitted to this programme with merit basis in every year. The syllabus has been framed in such a manner that the students can either do research, get employed in Microbiology related jobs or become entrepreneur. Hundreds of Research Scholars are completed their M.Phil./Ph.D. programmes in various fields apart from the routine postgraduate students. The faculty in the Department are totally committed to provide high quality education at Post-graduate and Research levels and they are well recognized for their research contributions at National and International bodies. They have received project grants nearly Rs. 15 crores from various government funding agencies such as DOD (MoES), DBT, DST, ICMR, CSIR, UGC, IFS and INSA. Department of Microbiology has been received a Non-SAP fund from UGC, DST-FIST and PURSE and MHRD-RUSA I and II phases. Students of microbiology are self-sustained and received individual Fellowships including Dr. Kothari Postdoctoral, DST Fast Track Young Scientist Fellowship, CSIR Senior Research Fellowship, DST- INSPIRE Fellowship, Non-SAP Fellowship, Jawaharlal Nehru Memorial fund, Rajeev Gandhi National Fellowship, Maulana Azad Minority Fellowship, University Research Fellowship, TNSCST minor projects and RUSA BECH projects for M.Sc. students. Recently the department was received Best Department Award from Microbiologists Society, India on national level. The research outcomes of the department are well evidenced by numbers of patents, nearly thousand research papers in peer reviewed national and international journals with good impact factors. Not only in academics the department excels, it has showed an outstanding performance in extra-curricular activities too. The department regularly organizes National / International level seminars, symposia, workshops, refresher courses, summer courses, DST-INSPIRE programs, and entrepreneurship programs for social and economically deprived populations. Faculty of Microbiology Department are well sustained to outrival the competitive scientific world patents and MoUs with reputed agencies in India and abroad.



ABOUT THE CONFERENCE

International Conference on Algae: Food, Feed, Fuels and Fine Chemicals – ICA - F⁴ 23 is organized to felicitate our beloved Prof. N. Thajuddin, Founder of National Repository for Microalgae and Cyanobacteria-Freshwater (NRMCF), Formerly Head, Dept. of Microbiology, Dean, Faculty of Science, Engineering and Technology, Co-ordinator, School of Life Sciences, Bharathidasan University, and presently assumed charges of Pro Vice - Chancellor at B.S. Abdur Rahman Crecent Institute of Science & Technology (Deemed to be University) Vandalur, Chennai. On his 60th Birth Anniversary and to honour him for his dedicated service to the Nation through his distinguished and exemplary career.

Scan the below QR to know more about our Prof. NT.



Prof. N. THAJUDDIN



Algae in general microalgae and cyanobacteria in particular, a diverse group of photosynthetic organisms, found in wide range of habitats. They are among the most prolific source of natural products of biotechnological importance. The large scale cultivation of these forms is simpler and cheaper than that of bacteria and fungi, since they do not require organic nutrients. With the development of algal biotechnology, a number of potential species are attracting attention in various fields such as agriculture, aquaculture, production of fine chemicals, cosmetics, pharmaceuticals, biofuels and providing solutions for a number of environmental problems. In fact, these were the areas which Prof. N. Thajuddin cherished and nurtured. The objective of this conference is the optimal platform to bring scientists involved in algal research for discussion on the recent developments and sustainable utilization of algae for human welfare

Themes:

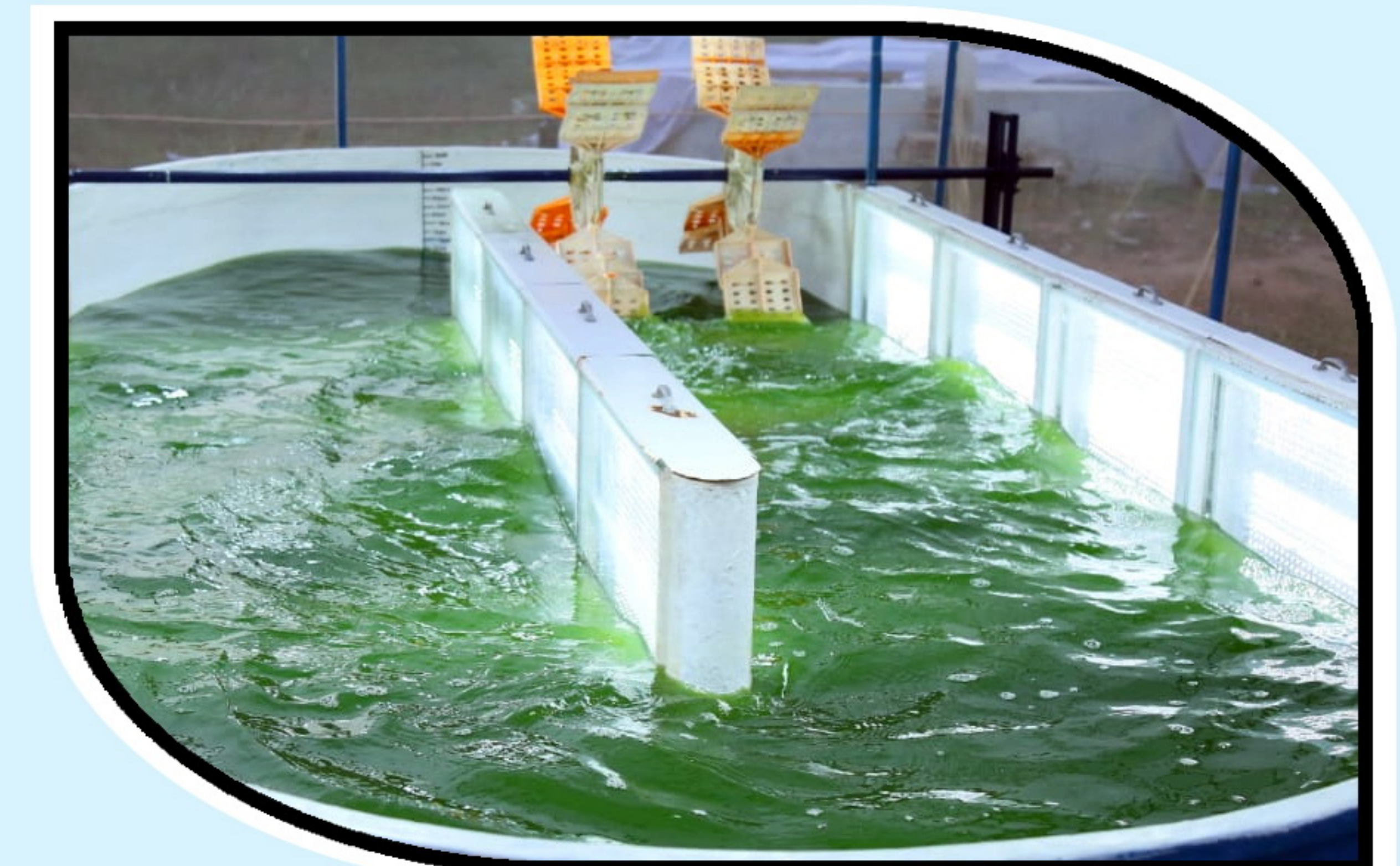
1. Biodiversity and Taxonomy (Conventional & Molecular)
2. Agriculture and Crop productivity
3. Food and Nutraceuticals
4. Feed and Aquaculture
5. Fuels and sustainable economy
6. Fine chemicals of pharmaceutical importance
7. Cultivation and Biomass Production

ABSTRACT

Participants who would like oral or poster presentation must submit their abstract, for consideration by the scientific committee. The abstracts should be submitted in English on or before August 25th 2023. The presenting author is required to ensure that all co-authors are aware of the content of the abstract before submission to the conference secretariat.

LANGUAGE

The official language of the conference is **English** only. No translations will be provided.





INSTRUCTIONS TO THE AUTHORS

1. Authorship on multiple abstracts is permitted.
2. Registration fees should be paid along with abstract using the google form provided.
3. Abstract should not exceed 500 words including title, author(s) and affiliation.
4. Abstract should be prepared using MS word in Times New Roman, 12 pitch font, double line spacing and uploaded in the google form provided.

ORAL PRESENTATION

The duration for the oral presentation will be of 15 minutes (10 minutes presentation + 5 minutes discussion).

POSTERS PRESENTATION

The size of the posters will be 150cm (length)×120 cm (width). During the poster session a committee appointed by the organizers will judge all

REGISTRATION FEES:

Indian Delegates

- Rs. 1500/- (Research Scholars/Students)
- Rs. 2500/- (Faculties / Accompanying persons)
- Rs. 5000/- (Person from Industries)

Foreign Delegates:

- USD/Euro. 150/- (International Research Scholars/Students)
- USD/Euro. 300/- (International Faculty/Accompanying persons)

The registration fee should be sent through any one of the following modes.

1. DD drawn in favour of “Organizing Secretaries-ICA-F4’23”, payable at Bharathidasan University, Tiruchirappalli-620 024 and send to the contact address mentioned below.
2. Payment can also be made through UPI apps by scanning the QR code below. **Merchant Name: Common Remittance Account; UPI ID: 9443780765@sbi.** After payment, the details can also be uploaded via google form or shared through the following Mail ID: **icaf423@gmail.com**
3. Payment can also be made through Netbanking, using the following details.

Account Name : **Organizing secretaries ICA - F4’ 23**

Account Number: **42059762695**

IFSC Code : **SBIN0007014**

Branch : **SBI - Bharathidasan University**

The registration form along with the abstract of research paper should reach the organizing secretary on or before 25th August, 2023. Registration becomes valid only after the receipt of the Fee. Registration fee covers attendance at all the conference sessions, conference materials, which include the delegate bag and the conference souvenir. This also includes the working lunch, dinner and tea during the conference.

Google Form For Registration

https://docs.google.com/forms/d/e/1FAIpQLSdPn5ZngPqaa1OJFjSqtNID1VPuVe50jl-BqyUm36reir7NQ/viewform?usp=pp_url



For Registration



For fee Payment



ABOUT TIRUCHIRAPPALLI

Tiruchirappalli is situated on the banks of the river Kaveri situated in the middle of Tamil Nadu. The city is known for its temple architecture, educational institutions, industries as well as agricultural fields. Amongst handicraft are brassware, handloom textiles, pith models of temples and Rock Fort. It is shortly called as "Tiruchi" or "Trichy". Trichy is the district headquarters of the district of Tiruchirappalli and has its name for tourist attraction with geographically centre of the state. The fourth largest city of the state is a thriving commercial centre. Trichy itself is an industrial town, where a number of industries flourish. An International Airport also situated at Tiruchirappalli and the city is 380 km away from the city of Chennai (Capital City of Tamilnadu), 342 km from Bangalore. The delegates coming from abroad are advised to take flight to Chennai International or Bangalore international Airport, and domestic air service to Tiruchirappalli. You can also reach by bus/cab/train to Tiruchirappalli. The travel time is about 30-40 minutes from Chennai and Bangalur by air. The conference secretariat will operate shuttle service from Tiruchirappalli Airport to the University campus (Conference venue) during the conference dates.

ACCOMMODATION

For those who require accommodation, separate google form will be sent after receiving the abstract and registration form.

OFFICIAL LETTER OF INVITATION

An official letter of invitation will be made available upon request. However, the invitation letter does not promise any financial support for Travel.

VISA

All delegates from other nations will require visa to visit India. Letter of invitation for visa application will be sent on request after receipt of the registration form and fee. Please check with the local Indian Embassy/Consulate for visa details and other requirements.

SPONSORSHIP/CO-SPONSORSHIP.

The leading organizations, funding agencies, industries, equipment manufactures and allied services are invited to sponsor the conference for lunch, dinner/kits etc., sponsors/co-sponsors will find their names reflected in the conference publication and literature and would be prominently displayed at the conference venue. The sponsors will be given a free place for their product display: **ADVERTISEMENT** The limited space will be made available for advertisements in the abstract book of the conference. Contact the Organizing Secretary for details

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Bharathidasan University, Tiruchirappalli.

DEADLINES

Submission of abstracts : August 25th, 2023
Payment of Registration fee : August 25th, 2023
Request for Hotel Reservation : August 27th, 2023

Contact for Information

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