

INTERNATIONAL CONFERENCE ON ALGAL BIOMASS, RESOURCES AND UTILIZATION

(ICABRU – 2009)

27th July 2009 to 30th July 2009

Organized by

KRSIHNAMURTHY INSTITUTE OF ALGOLOGY

52A, AK Block, 7th Main Road, Annanagar, Chennai 600 040, India

And

DEPARTMENT OF PLANT BIOLOGY AND PLANT BIOTECHNOLOGY

STELLA MARIS COLLEGE, CHENNAI – 600 086, India

SECOND AND FINAL ANNOUNCEMENT

Collaborating Organizations

1. Seaweed Research and Utilization Association of India
2. Phycological Society, India
3. Centre for Advanced Study in Botany, University of Madras, Chennai
4. Centre of Advanced Study in Marine Biology, Parangipettai
5. Vivekananda Institute of Algal Technology, Chennai
6. Aquaculture Foundation of India, Chennai

Conference Deadlines

31st March 2009

Registration Forms, Bookings for preconference tours and mid-conference excursions, Hotel Reservations

Submission of Abstracts

Please allow adequate time for airmail to be received

E-mail registration can be accepted but filled up registration form along with all fee remittances must be received before 15th April 2009

30th June 2009 Submission of full papers

21st July to 26th July

Preconference tours

Participants in these tours must arrive at Chennai on 20th July 2009

27th July to 30th July 2009

Conference dates

Participants should arrive on 26th July 2009 and depart on 30th July 2009

Mailing Address

Dr V Sivasubramanian

Secretary, ICABRU – 2009

Krishnamurthy Institute of Algology

52A, AK Block, 7th main Road

Annanagar, Chennai – 600040

India

Invitation

Dear Colleague,

I have great pleasure in inviting you to participate in the International Conference on Algal Biomass, Resources and Utilization, to be held from 27th July 2009 to 30th July 2009 at Chennai. I extend to you a most hearty welcome.

This second and final announcement regarding the conference and the form of registration will be available also in the website of Krishnamurthy Institute of Algology (<http://www.geocities.com/krishalg>). If extra registration form is required it may be downloaded from the website.

If you need any further information or clarification, kindly do contact the Secretary of the Conference, whose address is provided in the preceding page.

With kind regards and best wishes

V Krishnamurthy

Chairman

Organizing Committee

Organizing Committee

Chairman: Prof V Krishnamurthy, KIA, Chennai

Secretary: Dr V Sivasubramanian, VIAT, Chennai

Convener: Dr Priscilla Jebakumar, Stella Maris College, Chennai

International Members:

Dr N T Chellappa, Natal, Brazil

Dr M Ohno, Japan

Dr Roberto de Philippis, Venice, Italy

Dr A K S K Prasad, Tallahassee, USA

Dr Mustafa Shameel, Karachi, Pakistan

National members:

Dr S P Adhikari, Bhubaneswar

Prof N Anand, Chennai

Dr P Anantharaman, Parangipettai

Prof T Balasubramanian, Parangipettai

Dr M Baluswami, Chennai

Dr Beula Vijayakumar, Chennai

Dr S Bharathan, Chennai

Dr S Bharathi Sethumadhavan, Chennai

Dr S Chandra, Chennai

Dr K Easwaran, Vellore

Dr N Jeeji Bai, Chennai
Dr N Kaliaperumal, Bangalore
Dr L Kannan, Vellore
Dr B D Kaushik, Delhi
Dr M V N Panikkar, Kollam
Dr G Rani, Chennai
Prof R Rengasamy, Chennai
Dr D Sahoo, Delhi
Dr M Sakthivel, Chennai
Dr V Sobha, Thiruvananthapuram
Dr Pushpa Srivastava, Jaipur
Dr K Subbaramaiah, Nellore
Dr G Subramanian, Tiruchirappalli
Dr V V Subramanian, Chennai
Prof M Umamaheswara Rao, Visakapatnam
Prof Vidyavati, Warangal
Dr M D Vijaya Parthasarathy, Chennai

Scientific Programme

Plenary Lectures

There are five plenary lectures during the symposium and these will be by invited speakers.

Paper contributions

Papers are invited from participants on subjects covered by the following topics:

- i. National resources of marine macro algae
- ii. Culture and cultivation of micro algae using:
 - a. Natural water bodies
 - b. Artificial ponds and raceways
 - c. Bioreactors of different types
- iii. Cultural requirements for biomass production
- iv. Utilization of algae:
 - a. As food and feed
 - b. As sources of industrial chemicals
 - c. As sources of bio-fuels
 - d. As sources of pharmaceuticals and nutraceuticals
 - e. For bioremediation of domestic and industrial effluents
 - f. As research tools

All contributions should be in English.

Posters

There will be a session devoted exclusively for exhibition of posters. Posters can be on any topic pertinent to the conference and shall be of size 100 cm x 70 cm.

Exhibition

The organizers are making all efforts to organize an exhibition of the research on production and applications of algae and their biomass. This will be open on all days of the conference from 9.00 Hrs to 17.00 Hrs

Time schedule

The programme and time schedule of the conference is represented in the chart included in this circular. Participants may kindly note that the conference opens with registration from 8.00 Hrs on 27.7.2009 and the closing session will begin at 16.30 Hrs on 30.7.2009

About Chennai

Chennai, formerly known as Madras, the capital city of Tamilnadu State, is the gateway to South India and a major industrial and commercial centre, well linked by air, rail and road besides having a major sea port. The city developed from a small fishing village into a major township with the establishment of Fort St George by the British East India Company and now it is a sprawling metropolis having an area of 172 Sq KM with a population of about six million.

The city of Chennai is a great academic centre being home to the 150 year old University of Madras and more recently established Anna University and a number of institutions of high repute. The city also has a number of medical and technical institutions, the chief among them being Madras Medical College, Stanley Medical College, Sri Ramachandra Medical College and Research Institute beside the Tamilnadu University of Veterinary and Animal Sciences.

The more than 150 year old Presidency College and University of Madras have produced Nobel Laureates C V Raman and S Chandrasekhar. Chennai has also the unique distinction of being the hometown of Prof M O P Iyengar, the Father of Indian Phycology.

There are a number of places of tourist attractions in and around the city: Fort St George, Santhome Basilica, St Thomas Mount, Kapaleeswarar Temple, Sri Parthasarathy Swamy temple, Theosophical Society, Government Museum, National Art Gallery, all situated within the city. Places like Mahabalipuram (Mamallapuram or Seven Pagodas), crocodile Park, Kanchipuram, the Bird Sanctuary at Vedanthangal and the Arignar Anna Zoological Gardens are situated at short distances from the city and are worth a visit.

There are also a number of resorts and amusement parks just at city limits on the East Coast Road, catering to the amusement of children as well as adults.

The Tamilnadu Tourism Department offers a number of conducted tours at nominal prices.

The Venue

The venue of the symposium is Stella Maris College, a reputed educational institution affiliated to the University of Madras situated in the heart of the city. The college, started in a modest way on 15th August 1947 celebrated its diamond jubilee in 2007 and is now the leading institution of higher learning for women. The college now runs 13 undergraduate and 12

graduate courses with research facilities in five of the graduate schools. Of these the Department of Plant Biology and Plant Biotechnology has a high reputation for teaching and research.

The ICABRU – 2009 is being hosted by Stella Maris College in their St Francis Hall and Helene de Chappotin Centre which will provide the conference hall, poster session area and the exhibition area.

Registration

All intending participants are requested to fill in the enclosed registration form in all details and return the same so as to reach the Secretary of Conference on or before 31st March 2009. The registration form should be accompanied by the registration fees and other prescribed fees.

Registration fees

	Foreign	Indian
Participants	US \$ 150.00	INR 1500.00
Graduate students (not having faculty positions)	US \$ 75.00	INR 750.00
Accompanying Persons	US \$ 75.00	INR 750.00

Preconference tour

The cost of preconference tours will be US \$ 150.00 or INR 6000.00, which should be remitted along with registration fees and accommodation charges.

Mode of remittance of fees

All remittances should be in the form of a demand draft and made payable to Krishnamurthy Institute of Algology. Our bankers are Indian Overseas Bank, Mahalingapuram Branch, Chennai – 600034 (S B Acc No. 19395; Swift code: IOBAIN BB 001). The draft can be on Indian Overseas bank or any other bank located in Chennai.

Arrival at Chennai

Chennai is well connected by air, having both an international and a domestic airport. There are some direct flights to Chennai from some European and American cities, from cities in East Asia

and from Australia via Singapore. All metropolitan cities and some other major cities in India are connected by air to Chennai.

The city of Chennai is connected to all parts of India by the Indian railways. There are two rail terminals, Chennai Central and Chennai Egmore. Most trains from Northern India arrive at Chennai Central while most trains from the South arrive at Chennai Egmore.

Road transport by excellent bus services are available from all southern cities and towns and a few important cities from outside Tamilnadu.

Hotel accommodation

There are a number of hotels to suit all purses in Chennai. The following is a list of hotels with facilities available and tariff and participants are advised to choose any one of them. The organizers of the conference will make the necessary reservations in these hotels, if accommodation charges are remitted by date line.

1. Savera Hotel, 146, Dr Radhakrishnan Road, Chennai 600004

Standard Room	Single Occupancy	INR	5500.00
	Double Occupancy	INR	6500.00
Executive Room	Single Occupancy	INR	6500.00
	Double Occupancy	INR	8000.00
Club Room	Single Occupancy	INR	8000.00
	Double Occupancy	INR	9500.00

Tax at 12.5 % of rate, extra.

Rates inclusive of breakfast

2. Hotel Raj Park, 180, T T K Road, Chennai – 600018

Executive Room	Single Occupancy	INR	4500.00
	Double Occupancy	INR	5500.00
Superior Room	Single Occupancy	INR	5500.00
	Double Occupancy	INR	6500.00

Tax at 12.5 % extra

Rates inclusive of buffet breakfast

3. New Woodlands Hotel (P) Ltd, 72 – 75, Dr Radhakrishnan Road, Chennai 600004

Double bed room A/C	INR	2000.00
Deluxe Room	INR	2500.00

Inclusive of tax

Rates **do not** include breakfast

Restaurant with **Vegetarian** cuisine only

4. Hotel Maris, 11, Cathedral Road, Chennai – 600 086

Standard Double Bed room A/C	INR 1800.00
Standard Double Bed room Non A/C	INR 1500.00
Extra bed – A/C	INR 300.00
Extra Bed Non A/C	INR 200.00

Taxes at prevailing rate extra

Rates **do not** include breakfast

Multi cuisine Vegetarian Restaurant attached

Participants are requested to study the details given above and give their preference of the hotel and type of accommodation required in the Registration form.

Pre- Conference tours

Arrangements are made for two pre-conference tours and participants may join either one of them on payment of US \$ 150.00 or INR 6000.00.

Tour I: Boergesen’s South Indian Coasts

From 21.07.2009 to 26.07.2009

This tour involves travel from Chennai to Rameswaram by rail. With Rameswaram as base, marine algal study of neighbouring areas will be arranged. It would be possible to see the corallformation in the sea. From Rameswaram, a luxury bus will take the participants along the coastal road to Tuticorin and Kanyakumari, regions where Boergesen made most of his collections. From Kanyakumari, the bus will take the participants to Madurai, an interesting and historical temple city. From there, the party will return to Chennai by rail.

Tour II: Kodaikanal and neighbourhood in the Pulney Hills

From 21.07.2009 to 26.07.2009

This tour will be of interest to those who would like to study freshwater algae from a hill station, Kodaikanal. Travel will be by rail from Chennai to Madurai and by bus from Madurai to Kodaikanal, a popular summer resort. At Kodaikanal, it will be possible to visit several water falls, the Kodai lake and another freshwater lake, about 10 miles from Kodaikanal, the Berijam Lake. On 25th July, the party will return to Madurai and from there to Chennai by rail.

Participants may kindly indicate if they like to join one of the pre-conference tours, in the appropriate column in the Registration form.

Mid- Conference excursions

Participants can opt to join one of these mid-conference excursions which will be made simultaneously on 29.07.2009. Choice of mid-conference excursion may be indicated in the Registration Form. No fees are payable for these excursions

Mid-Conference excursion I

I. Mamallapuram

Mamallapuram is reached from city of Chennai by the beautiful East Coast Road and is 60 Km from the city. This place was the site of an ancient seaport built by Narasimha Pallava which dates back to 7th century A.D.

Mamallapuram is full of monuments hewn out of solid rock and the most important of these are 1. The Pandava Rathas 2. Shore temple 3. bas-relief of Arjuna's Penance 4. Mahihasura mardhini cave and 5. Various mandapams hewn out of rocks. The sea has been making inroads into this area and as a result, to save the shore temple, groin walls have been erected during the last few decades. A short distance from Mamallapuram is Kovalam where marine algae abound on a few clusters of rock and it will be possible to collect specimens from this area.

II. Kambakkam

Kambakkam, (lat. 79° 55' Lang. 13° 35'), a forest covered hill is situated 10 Km away from Varadayaphalem, a village in Chittoor district of Andhra Pradesh, approximately 100 Km away from Chennai on the Chennai to Tirupathi roadway. There is a perennial freshwater stream which hosts a wide range of aquatic flora and fauna. The stream starts from a water fall which is situated deep into the forest. Water from the falls rapidly flows down as a hill stream. The bottom of the stream is usually rocky or covered with boulders and stones and sandy bottom occurs rarely at one or two places.

Submerged rocks and boulders are the substrates for many algae which grow attached to them. The notable algae include *Rivularia*, *Chaetophora elegans*, *Draparnaldiopsis krishnamurthyi*, *Spirogyra sp.*, *Temnogametum*, *desmids*, *Batrachospermum sp.*, etc.

III. Pulicat Lake

Pulicat lake is the largest stretch of backwater in the east coast of Tamilnadu, about 60 Km North of Chennai. It lies mainly in the state of Andhra Pradesh with a little portion in Tamilnadu 13° 24' and 13° 47' N latitude and 3 to 11 miles broad with a total area of about 178 square miles. Its drainage area is about 1700 square miles. In the middle of the upper part of the lake there are three islands, namely, Sriharikota, Venadu and Irakam. The lake is connected with the Bay of Bengal through a deep opening, about half a mile broad and situated a mile north of Pulicat light house. The lake is subjected to limited tidal influence, the average difference between the high and low tide being one foot. The deepest portion is between Karimanal kuppam and Pulicat, with a water column of 18 to 30 feet. Several algae such as species of *Enteromorpha*, *Chaetomorpha*, *Cladophora*, *Acetabularia*, *Hypnea*, *Gracilaria*, *Polysiphonia* are collected from this lake besides a number of planktonic algae and sea grasses.

Accompanying persons

Accompanying persons are entitled to attend the opening and closing ceremonies and the conference dinner on the opening day. They are also welcome to join the mid-conference excursions and to view the conference exhibition. During other days, a half-day sight-seeing tours can be arranged from 9.00 Hrs to 12.30 Hrs. our volunteers will help in booking these tours

28th City sight-seeing Tour I 8.30 Hrs to 12.30 Hrs

30th City sight-seeing Tour II 9.00 Hrs to 12.30 Hrs

For the attention of Foreign Participants

A valid passport and a visa are required to visit India. Visa may be obtained from the Indian Consulate in a city nearest to you.

If there is any difficulty in obtaining an Indian visa, kindly supply the following information on a plain paper and mail it along with the registration form. This will enable the organizers to get clearance from Government of India for issuance of conference visa.

Name:

Father's/husband's Name:

Nationality:

Date of birth:

Place of birth:

Passport Number:

Date and place of issue of passport:

Date of expiry of passport:

Address:

The registration form, abstract and remittance in the form of demand draft and any other relevant document should be sent to the Conference Secretary, whose name and address are given below, so as to reach him on or before 31st March 2009.

Dr V Sivasubramanian

Secretary, ICABRU – 2009

Krishnamurthy Institute of Algology

52A, AK Block, 7th main Road

Annanagar

Chennai – 600 040

India

Map Showing the Venue, Stella Maris College



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(ICABRU – 2009)

27.07.2009 to 30.07.2009

Registration Form

1. Name: Mr./Mrs.

2. Age

3. Address

4. Academic Status: Degrees/Titles:

Teacher

Research Scientist

Student

Other Please specify

5. Nationality:

6. Are you presenting:

A paper

A poster

Or are you an observer

i) Please attach an abstract on plain paper

ii) Indicate the topic in which your paper should be included (see circular)

7. Title of paper/poster

8. Are you a vegetarian? Yes No

9. Name(s) of accompanying person(s):

10. Do you intend to participate in Pre-conference tours: Yes No

Specify the tour I II

11. Your choice of mid-conference excursion:

a. Mamallapuram

b. Pulicat lake

c. Kambakkam

12. Type of Accommodation required:

Name of Hotel

Type of room

Tariff

13. Remittances sent:

i) Registration fees US \$/INR

ii) Pre-conference Tour US \$/INR

iii) Hotel Accommodation US \$/INR

Total US \$/INR

14. Give details of remittances:

Draft No. and date

Bank

Place of issue

The draft should accompany this form

15. Any special requirement:

Place

Signature of Participant

Date