

**International Conference on Natural Products and
Biomedical Technology
(ICNPBT-2011)**

January 10 – 12, 2011

**Organised by
Department of Biochemistry and Biotechnology
Annamalai University
Chidambaram, Tamil Nadu, INDIA**

**in collaboration with
CAS in Marine Biology
Annamalai University**

INVITATION

Dear Colleague,

The Department of Biochemistry and Biotechnology, Annamalai University is organising '**International Conference on Natural Products and Biomedical Technology (ICNPBT-2011)**' with the help of CAS in Marine Biology, Annamalai University. The theme of the conference is '*Natural Products and Biomedical Technology*'. Recent scientific research has focused on natural products and potential phytochemicals that have possible health benefits beyond traditional nutritional value. Phytochemicals act as a defense system against oxidative damage and may be helpful in alleviating many chronic diseases and the effects of aging. A systematic search for useful bioactive phytochemicals from natural products is now considered to be a rational approach in nutraceutical and drug research. Impact of recent biomedical and technological advancements might lead to development of new products.

Biotechnological approaches for functional foods, nutrigenomics and pharmacogenomics will also be a serious concern. India is on the threshold of becoming a global leader with its rich bio-diversity, marine ecosystems and various raw materials for new drug development. In this context, this conference will provide a forum for discussing the medicinal properties of phytochemicals and their applications in biomedical technology with reference to epidemiology, biochemistry, experimental medicine, clinical and interventional cardiology, diabetes and other related diseases. Large number of delegates from India and abroad are expected to attend this meet. We request you to take this opportunity and participate in the conference and visit the temple city of Chidambaram. Your active participation is highly solicited. We will make our best efforts to make your stay in Chidambaram academically fruitful and enjoyable. Kindly, make a note of dates for the registration, abstract submission and accommodation and we request to circulate this information to your friends and colleagues who may be interested in attending the conference.

Hope to see you at Chidambaram.

Yours sincerely,

Dr. K. V. Pugalendi
(Chairman)

About the Host University

The Annamalai University was founded in 1929 by the benefaction, philanthropy and far-sighted vision of Dr. Rajah Sir Annamalai Chettiar of Chettinad. As a Pro-Chancellor for nineteen years, he devoted all his loving care and attention to the growth and development of the University. After his passing away in 1948, his eldest son, Dr. Rajah Sir M.A. Muthiah Chettiar, became the second Pro-Chancellor. He emulated his illustrious father in addressing himself to the ever-expanding and dynamic needs of the University, in keeping with the knowledge explosion of the times. Dr. M. A. M. Ramaswamy succeeded his father in August 1984. Equipped with the advantages of the wherewithal, acquired from his father as well as the grandfather, and enriched by his own astute insights gained as a result of his many splendoured personality he steers the University with the same care and commitment of his illustrious ancestors.

During the eighty years of its meritorious progress, the Annamalai University has passed through significant milestones. It celebrated the Silver Jubilee in 1955, the Golden Jubilee in 1979, the Diamond Jubilee in 1989 and the Platinum Jubilee in 2004. All these years, the University has been avidly seeking “fresh woods and pastures new”, by reaching new heights of excellence and innovation in academic pursuit, enquiry and research. It has, at the time of its inception, only seven Departments of Study. But now has forty-nine Departments under the Faculties of Arts, Science, Indian Languages, Engineering and Technology, Education, Fine Arts, Agriculture, Medicine and Dentistry respectively. The University was extremely fortunate to organize the 94 Indian Science Congress on its campus. It was for the first time in 94 years that the Science Congress was held in a rural setting.

The University has been fortunate to have outstanding and eminent personalities as its Vice-Chancellors. Our present Vice-Chancellor Dr. M. Ramanathan is an outstanding surgeon and a good educationist. He contributed to the growth of the Rajah Muthiah Medical College and Hospital and served the institution as the Medical Superintendent and later as the Dean, Faculty of Medicine.

Host Departments

Department of Biochemistry and Biotechnology

The Department of Biochemistry in Annamalai University, established in the year 1994, Dr. Venugopal P. Menon as head of the department. The Department has made rapid strides in both teaching and research activities in the last 16 years. M.Sc. Biochemistry and M. Sc., Biotechnology (2 year programmes) and a 5-year Integrated M.Sc., Biotechnology programme are offered by the department. In addition, M.Phil., and Ph.D., programmes are offered. At present, the Department is headed by Dr. K. V. Pugalendi. The major areas of research include free radicals and antioxidant defence systems, analysis of medicinal utilities of natural products and development of molecular markers and preventive strategies for diabetes, heart disease and cancer, radioprotection, chronopharmacology, chronotherapy and molecular chronobiology. The members of the teaching staff have earned academic distinctions and awards and have received research

grants from several national as well as international funding agencies. The Department has signed memoranda of understanding with Johns Hopkins University, USA and National University of Singapore, Singapore. Recently the Department has been recognised by the DST for funding under the FIST programme and by the UGC under the SAP-DRS programme.

Centre of Advanced Studies in Marine Biology

The CAS in Marine Biology, a pioneering marine research institute is actively engaged in teaching, research and extension in various aspects of Marine Biology. Over a period of 50 years necessary expertise and facilities have been acquired by the Centre. The Centre is headed by Dr. T. Balasubramanian who is an outstanding marine scientist and the Member of Syndicate of Annamalai University. The academic activities of the Centre have been well recognized not only by the University Grants Commission but also by other National and International agencies like the Department of Ocean Development, Ministry of Environment and Forests, Department of Science and Industrial Research. The Centre has also established research collaborations with Ehime University (Japan), National University of Singapore (Singapore) and Marine Biological Research Institute, Plymouth (UK). The Centre is currently involved in developing new drugs from marine organisms and eco-friendly aquaculture; other areas of research include Environment Impact Assessment and Coastal Ocean Monitoring and Prediction System, Assessment of Biodiversity potential along the east coast and Andaman and Nicobar Islands and conservation of sensitive coastal ecosystems such as estuaries, mangroves, coral reefs and lagoons.

Arriving Chidambaram

Chidambaram is located 240 km South of Chennai in Tamil Nadu. Chennai is connected to all major Indian cities and a number of International cities by air and is connected to all Indian major cities by rail and road. Both the rail and road connect Chennai to Chidambaram. The rail connection from Chennai is from Egmore, which is located 12 km from Chennai airport. Pre-paid taxis are available from the airport to Chennai Egmore railway station. The road connection from Chennai to Chidambaram is also good. The main bus terminal is located at Koyambedu which is 15 km from Chennai airport and 12 km from Chennai Central/Egmore railway station. For local transportation, taxis and autorickshaws are available. The state Government buses run from Chennai to Chidambaram every half an hour from Koyambedu. The traveling time from Koyambedu/Egmore (Chennai) to Chidambaram is around 5 hours. During January, the temperature at Chidambaram will be around 25-30°C. Accommodation will be arranged to all delegates in the University Guest House and nearby hotels at Chidambaram.

Places of Interest

Nataraja Temple (2 kms from University)

The Nataraja temple built during the eleventh century is one of the most celebrated of the South Indian Shaivite temples. The temple located in the middle of the Chidambaram town sprawls in an area of 40 acres. Inside the walls are four Gopurams (Towers) embellished with numerous sculptures presenting various religious scenes and parables. The presiding deity of the temple is represented by air, one of the five elements and is known as Akasa Lingam.

Poompuhar (30 kms from Chidambaram)

Poompuhar, once the biggest port on the East coast, was at its peak of glory under the earlier Chola kings. The Kaveri, merging with the bellowing sea, was known as Puhar but due to the exquisite beauty of the port town, it came to be called 'Poompuhar'.

Pichavaram (16 kms from Chidambaram)

Pichavaram ranks among the most exquisite scenic spots with abundant and varied tourism resources. The backwaters which are interconnected by the Vellar and Coleroon system offer abundant scope for water sports-rowing, kayak and canoeing. The Pichavaram forest not only offers waterscape and backwater cruises but combines another very rare occurrence, the mangrove forest trees permanently rooted in a few feet of water. The Pichavaram mangroves are considered among the healthiest mangrove occurrence in the world. Pichavaram consists of a number of islands interspersing a vast expanse of water covered with green trees.

Puducherry (70 kms from Chidambaram)

Puducherry, which is 70 kms from Chidambaram was a French establishment. There are a number of tourist spots of interest. Aurobindo Ashram, the place where Shri Aurobindo lived and gave discourses is situated in Puducherry.

Organising Committee

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Pro-Chancellor, Annamalai University
- Patron : **Dr. M. Ramanathan**
Vice-Chancellor, Annamalai University
- President : **Dr. A.N. Kannappan**
Dean, Faculty of Science, Annamalai University
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Director, CAS in Marine Biology,
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- Chairman : **Dr. K. V. Pugalendi**
Professor and Head, Dept. of Biochemistry and
Biotechnology, Annamalai University
- Vice-Chairman : **Dr. A. Shanmugam**
Professor, CAS in Marine Biology
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Annamalai University
- Ms. A. Justin Thenmozhi**
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Annamalai University

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Madhav Bhatia, National University of Singapore, Singapore
Nazrul Islam, University of Dhaka, Dhaka, Bangladesh
Ayae Honda, Hosei University, Tokyo, Japan
Mishik A. Kazaryan, P.N. Lebedev Physical Institute, Moscow, Russia

List of probable speakers from overseas

M.S. Kanthimathi, University of Malaya, Kuala Lumpur, Malaysia
 A.R. Jayakumar, University of Miami, Miami, USA
 Madhav Bhatia, National University of Singapore, Singapore
 Nazrul Islam, University of Dhaka, Dhaka, Bangladesh
 Ayae Honda, Hosei University, Tokyo, Japan
 Mishik A. Kazaryan, P.N. Lebedev Physical Institute, Moscow, Russia
 Edward Lanphier, Sangamo Biosciences Inc. USA
 Kevin Davies, Bio-IT world, USA
 Xiao-Li Tian, Peking University, China
 Mohammad Jaber Al-Yamani, King Saud University, Saudi Arabia
 Amornpun Sereemasapun, Chulalongkorn University, Thailand
 Nadia Jahroudi, University of Alberta, Canada
 Yuichiro Nishida, Saga University, Japan

List of probable speakers from India

Devaraj H, Chennai
Gowri Chandrakasan, Chennai
Ilavazhagan, New Delhi
Jayashree Bhattacharjee, New Delhi
Gupta SR, Tirupati
Kartha CK, Trivandrum
Niranjali Devaraj, Chennai
Rajamanickam C, Madurai
Rajasekhar D, Tirupati
Ritu Singh, New Delhi
Rosalind Marita, Mumbai
Subramanian G, Tirupati
Sudhakaran PR, Kazargod
Mallika V, New Delhi
Pandian TJ, Madurai
Sampath V, Chennai
Venkateshwaran, Mumbai
Elanchezhiyan, Chennai

Focus areas of the conference

Role of phytochemicals in

- cancer
- diabetes
- heart disease
- other diseases

Phytochemicals and chronopharmacology

Phytochemicals and radioprotection

Isolation, identification and characterization of phytochemicals and synthesis of analogs

Drugs from marine organisms

Marine biogeochemistry and biology

Coral bleach

Nutraceuticals

Drug designing

Nanomedicine

Nanobiotechnology

Drug delivery systems

Pharmacogenomics

Registration Fee

	Before	After
	30th November, 2010	
Delegates	Rs. 2,000/-	Rs. 2,500/-
Student delegates	Rs. 1,000/-	Rs. 1,500/-
Foreign delegates	US\$. 300/-	US\$. 400/-
Accompanying persons		
Indian delegates	Rs. 1,000/-	Rs. 1,300/-
Foreign delegates	US\$. 200/-	US\$. 250/-

Dates to remember (last dates):

Submission of Abstract	:	November 30, 2010
Registration	:	November 30, 2010
Request for Accommodation	:	November 30, 2010

Corresponding address:

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Conference web site: <http://annamalaiuniversity.ac.in/>

Registration Form (ICNPBT-2011)

Authors are requested to send two hard copies of abstract of their research work which should contain aim, methods, results and conclusions, not exceeding 200 words. The soft copy in MS-Word format may be sent to icnpbt2011@gmail.com. All submissions should have title, author's name and affiliations, full address for correspondence including Fax, Phone and e-mail.

Name:

Designation:.....

Mailing Address :

.....

.....

City: Pin Code:

State: Country:

Phone: (Res.).....(Off.)

Fax: e-Mail:

Paper Submission: Oral/Poster

Registration fee in the form of demand draft should be drawn in favor of "The Registrar, Annamalai University" payable at Chidambaram, Tamil Nadu, India.

Amount: Rs./US\$

No:

Bank and Place:

Arrival Details:

Date:

Time:

Departure details:

Date:

Time:

Signature