

REGISTRATION FEE

| | | |
|-----------------------------------|-----------|-----------|
| Participants | | |
| Full Delegates (Non-Members) | INR 2000 | INR 2500 |
| Full Delegates (Members) | INR 1500 | INR 2000 |
| Students Delegate | INR 800 | INR 1200 |
| Accompanying Person | INR 1500 | INR 2000 |
| Industry and Private Organisation | INR 10000 | INR 15000 |

Students must submit a declaration signed by their Supervisor or Head of the Department certifying that they are currently registered for a post graduate/M.Phil./ Ph. D degree.

PAYMENT OF REGISTRATION FEE

Bank name: Bank of Maharashtra, Kalkaji Branch, New Delhi - 110 019

Account name: Saving Account

Bank account number: 20066872035

Swift code number: ABO MAHB 0000974

The international conference attendees can either directly transfer funds into the account using the Account number and SWIFT code. After the payment, kindly mention the payment details in your registration form.

DELEGATES

For participants the Registration Fee is to be paid in Indian Rupees in the form of Demand Draft, to be made in favour of “NATIONAL ENVIRONMENTAL SCIENCE ACADEMY” payable at New Delhi, India.

REGISTRATION ON DESK

The registration desk will be located at the Madurai Kamraj University, Madurai. Although pre-registration may be done with Head Office.

INCLUSIONS

The registration fee covers one copy of the abstract, a conference kit, attendance at all scientific sessions, lunch, tea/coffee during sessions, opening and closing ceremonies.

INSURANCE

The conference organisers cannot accept liability for the personal accidents, health, loss or damage to private property of delegates and accompanying persons. All participants should make their arrangements with respect to health and travel insurance.

ARRIVAL AT MADURAI AND AIRPORT PICK UP

Madurai Airport is a customs airport serving Madurai in the Indian state of Tamil Nadu. The airport is located about 12 km from the Madurai railway station. The airport was established in 1957. There are several taxis and buses available from the Airports / Railway stations to major hotels and venue. There are pre-paid Taxi Booking counters inside the Airport and Railway Station. From safety and comfort point of view, we recommend the delegates to contact the pre-paid taxi counter.

ACCOMMODATION

The registration fee does not include accommodation charges. Accommodation will be arranged on the payment basis in the guest houses and hotels near the conference

venue. Accommodation can also be arranged in a wide range of hotels including five star hotels of International standard on request. The tariff of the rooms ranges from US\$ 35 – 260 depending on facilities. Since November, the tourist season starts, delegates are advised to book their hotels / Guest Houses well in advance.

ROOM TARIFF PER DAY:

| SR. NO. | HOTEL CATEGORY | CATEGORY OF ROOM | Single | Double |
|---------|-------------------|------------------|------------|------------|
| 1. | FIVE STARS | LUXURY | US\$ 250 | US\$ 260 |
| 2. | FOUR STARS | LUXURY | US\$ 160 | US\$ 180 |
| 3. | THREE STARS | STANDARD | US\$ 130 | US\$ 150 |
| 4. | BUDGET HOTELS | STANDARD | US\$ 50-60 | US\$ 60-70 |
| 5. | LOW BUDGET HOTELS | STANDARD | US\$ 35-55 | US\$ 40-60 |

Besides these hotels there are several low budget guest houses / Motels available Madurai and venue in the range of US\$20 onwards which can be booked by the delegates.

ABOUT THE ACADEMY

This ACADEMY is of National level registered under the Societies Act XXI of 1860 under the Government of Bihar in the year 1986 presently having its Head Quarter at 206, Raj Tower-1, Alaknanda Community Centre, New Delhi 110019. The main objective of the Academy is to bring awareness about the Environment among the masses by arranging lectures, demonstrations, training, seminars, symposia, conferences, publishing journals and newsletter etc.

Various eminent personalities had graced the academy as its President. The first President of the Academy was Dr. K. C. Bose, Vice Chancellor of Ranchi University, then Dr. B.S. Attri, Advisor, Ministry of Environment and Forest and presently Padmabhushan Dr. S.Z. Qasim is President of the academy, a renowned marine scientist known for his Antarctica mission, who was also the Secretary of the Dept. of Ocean Development (now Ministry of Earth Sciences); Member, Planning Commission and Vice-Chancellor, Jamia Millia Islamia, New Delhi.

National Environmental Science Academy of India is completed its 25 years in 2012. The main aim of the event is to provide an opportunity to the world's Environmentalists, Scientists, Academicians, Engineers, Industrialists and Planners, to share their skills and Scientific knowledge for suggesting amicable solutions for the environment related problems presently facing the people living in different parts of the world. The conference will also provide a platform for detailed discussions on advanced researches, made during recent years in Environmental Sciences in relation to Biology, Agriculture, Forests, Industries, Air, Water, Soil Ecosystems, Marine Biology, Atmosphere, Chemical and Earth Sciences, Nuclear and Geophysics etc. Interested persons are invited to register and submit the papers/abstracts to infones88@gmail.com by 15th of November, 2014. During conference, various Awards like Fellowships of the Year 2014; Best Scientist awards, Eminent Scientists of the Year 2014; Environmentalists of the Year 2014; Junior Scientists of the Year 2014 will also be conferred.

The theme of the conference is SCIENCE-LED DEVELOPMENT FOR ENVIRONMENTAL SUSTAINABILITY.

ABOUT MADURAI KAMARAJ UNIVERSITY

Madurai Kamaraj University, is on its relentless journey for the past 48 years surmounting hurdles of indigenous and exotic nature on its way and has passed through the tests of accreditation towards reaching the status of excellence. University is aware that the process of achieving excellence is continuous and therefore, all efforts are in progress to keep up the momentum.

The University came into being through a bill passed in the Legislative Assembly of the State in the year 1965. Thus, it is a statutory university owned and funded by the

Government of Tamilnadu and the University Grants Commission. This University is a member of Association of Indian Universities and one of the nine universities in India with a status of University with Potential for Excellence. The present Manonmaniam Sundaranar University, Alagappa University and Mother Theresa University are the off-shoots of Madurai kamaraj University. As on date, it covers four revenue districts of Madurai, Virudhunagar, Dindugal and Theni for its regular academic programme. Currently it holds a total of 77 renowned Departments and 20 Schools. In addition to the Departments and Schools, the University has 21 academic centres and 21 quasi academic supportive units. It has 24 autonomous colleges, 14 aided colleges, 33 self financing colleges, 18 approved institutions, 4 evening colleges, 6 constituent colleges and one University College catering to the higher education needs of large number of students from rural and urban areas.

The Madurai Kamaraj University offers 41 post graduate, 35 M.Phil. and 17 Diploma / P.G. Diploma / Certificate courses in the various departments. Presently, 66 U.G. and 45 P.G. courses are offered in the affiliated Colleges. At present 2428 students and research scholars are on the roll. Currently more than 163 individual research projects are being carried out with an outlay exceeding 34 Crores. The University has a modernized central Library with 3 lakhs books, 9,000 e-journals, 3,000 e-books, 55,000 reference and text books. The one Gbps internet connection, INFONET centre with 50 nodes and smart class rooms have enriched the ICT enabled teaching and learning.

Madurai Kamaraj University strongly believes in de-centralised and participatory governance. As a visionary step, academic and administrative autonomy has been granted to select Schools. The University has established linkages with community around through its various outreach activities. The National and International level connectivity and visibility of this University is a pointer that the University is moving from the status of University with Potential for Excellence to the status of University of Excellence.

IMPORTANT DATES

| | |
|---|-------------------|
| Deadline for Abstract submission | : 15th Nov., 2014 |
| Deadline for Pre-Registration | : 25th Nov., 2014 |
| Accommodation Request | : 25st Nov., 2014 |
| Notification for Acceptance of Abstract | : 30th Nov., 2015 |

All Correspondence should be addressed to the Organising Secretary/Convenor/Co-convenor

Prof. A. Arunachalam
Organising Secretary

Prof. K. Muthuchelian
Convenor

Dr. Altaf Ahmad
Co-convenor

Associate Partners:



NATIONAL ENVIRONMENTAL SCIENCE ACADEMY

206, Raj Tower-1, Alaknanda Community Centre,

New Delhi - 110 019, INDIA • Phone : 011-26023614

E-mail: infones88@gmail.com • Website : www.nesaindia.in



National Seminar on

Science-led Development for Environmental Sustainability

Madurai, Tamil Nadu

27-28 December, 2014

Jointly Organised
by

National Environmental Science Academy, New Delhi, INDIA

&

Department of Energy and Natural Resources
Madurai Kamraj University, Madurai

Sponsored by



Ministry of Earth Sciences
Govt. of India



ICAR, Ministry of Agriculture
Govt. of India



Department of Science and Technology
Govt. of India



Ministry of Environment and Forest
Govt. of India

Welcome

We are glad to inform you that the National Environmental Science Academy is organising National Seminar on Science –led Development for Environmental Sustainability from December 27th to 28th, 2014 at Madurai Kamraj University, Madurai, Tamil Nadu, India.

A large number of Scientists, Researchers, Students, Investors, Entrepreneurs, Companies, NGO's, Consultants both from India and abroad have confirmed their participation. On behalf of NESa and the Advisory Committee we welcome you all to participate in this important conference.

Patrons

Dr. S.Z. Qasim
President, National Environmental Science Academy

Advisory Committee

Dr. Shailesh Nayak
Secretary, Ministry of Earth Sciences
Prof. K Vijay Raghavan
Secretary, DBT
Dr. V Rajagopalan
Secretary MoEF
Dr. S. Ayyappan
Secretary (DARE) & Director General (ICAR)
Dr. K. Ramasami
Vice Chancellor
Tamil Nadu Agricultural University
Dr. P. Rajendran
Vice Chancellor
Kerala Agricultural University
Dr. Ramakrishna Ramaswamy
Vice-Chancellor
University of Hyderabad
Dr. A.R. Pathak
Vice-Chancellor
Navsari Agricultural University
Prof. Dr. Sudhir. U. Meshram
Vice-Chancellor
North Maharashtra University
Dr. Rajan M. Welukar
Vice-Chancellor
University of Mumbai
Prof. Kusum Arunachalam
Doon Univesity, Dehradun

Dr. Kalyani Mathivanan
Vice Chancellor
Madurai Kamaraj University
Dr. Dileep N. Deobagkar
Vice-Chancellor
Goa University
Prof. B. Thimme Gowda
Vice-Chancellor
Bangalore University
Dr. J.P. Mishra, Adviser
(Agri.), Planning Commission
Prof M. Aslam
Vice-Chancellor, IGNOU
Prof. Y.P. Abrol
President, SCON, New Delhi
Dr. Ashok K. Chauhan
Founder President, Amity University, Noida
Prof. W. Selvamurthy
President, ASTIF, Noida
Prof. Madhusudan Sharma
Vice Chancellor, University of Kota, Rajasthan
Prof. S. Shakir Jamil
Director General
CCRUM, New Delhi
Prof. P.S. Ramakrishnan
Jawahar Lal Nehru University, New Delhi
Dr. GN Qazi
Vice Chancellor, Jamia Hamdard

HOST CITY AND VENUE

It is narrated in legend that Madurai was originally a forest known as Kadambavanam. One day, a farmer named Dhananjaya who was passing through the forest, saw Indra (The king of the gods), worshipping a swayambhu (self created Lingam) under kadamba tree. Dhananjaya, the farmer immediately reported this to King Kulasekara Pandya. Kulasekara Pandya cleared the forest and built a temple around the Lingam. A city was soon planned with the temple as its centre. On the day the city was to be named, Lord Shiva is said to have appeared and drops of nectar from his hair fell on the town. So, the place was named Madurai - mathuram meaning "sweetness" in Tamil.

Madurai has a rich historical background in the sense that Lord Shiva himself performed sixty-four wonders called "Thiruvilaiyadals".

LETTER OF INVITATION

Upon request, the Secretariat will send a personal invitation to participate in the conference. Such an invitation does not represent a commitment on part of the organizers to provide any financial support.

OFFICIAL LANGUAGE

The official language of the conference will be English. No translation facility will be provided.

SCIENTIFIC PROGRAMME

The Scientific Programme includes Plenary, Special lectures, Oral and Poster Presentations.

CALL FOR PAPERS

Papers are invited for the above mentioned National Seminar which will be held at Madurai on 27-28 December 2014. Please send your abstract (s) in the abstract form FORM B (which can be had on request).

PREFACE OF THE CONFERENCE

Expansions in science and technology have marked the onset of the Third Millennium. If harnessed rationally and effectively, these could help eradicate hunger, poverty, destitution and indignity. The progress in the fields of biotechnology, information and communication technology, medicine, space science and management science offers unprecedented opportunity for multifaceted development. The industrialized countries and a few developing countries (in some of the areas) are vigorously capturing these uncommon opportunities by innovating, adapting and regulating these technologies. But the majority of the developing countries are far behind and are further falling behind, thus widening the technology divide

The National Seminar on "Science–led Development for Environmental Sustainability" has identified a number of current areas which will throw light during the scientific sessions under various disciplines.

THEMES-SUB-THEMES

- ❖ Agricultural Sciences and Innovation
Crop protection, IPM, INM, IWM, Horticulture, New varieties, Water technology, Genetics and crop breeding, Risk management education in agriculture, Nutrient regulation, Supply chain management.
- ❖ Life Sciences and Technology Intervention
Biotechnology and advances, Diagnostic kits for early detection, Genomics and Bioinformatics, Cytogenetic, Taxonomy and Phylogeny, Emerging Frontiers in Medical, Industrial Face of Life Sciences, Opportunities and Challenges in Bio-Informatics and Nanotechnology, Bio-Monitoring, Genomics, Remediation methods.
- ❖ Environmental Science and Conservation
Environmental pollution and abatement, Water technology and management, Air pollution and prevention, Soil contamination and restoration, Phytoremediation/Bioremediation, Environmental management, Disaster management, Biodiversity
- ❖ Medical Sciences and Advances
Traditional medicines and health Sciences, New insights on genomics and medicine, Robot Surgical System, Sensor Technology in Medicine, Disease Burden Measures, Implications on Health Policy, Occupational Diseases and Injuries, Nutritional components.
- ❖ Engineering and Green Technology
Green and clean technology, Water and irrigation technology, Biofuel generation, Biomedical Engineering, solar and wind energy.
- ❖ Social Sciences: Human Values, Ethics and Laws
Socio cultural basis of environmental conservation, Capacity building, Social awareness, intellectual skills, and civic values, Framework for teaching, learning, and assessment, Culture, People, Places and Environments, Individual Development and Identity, Social media, Global Connections, Civic Ideals and Practices, environmental ethics and laws.
- ❖ Environmental Economics
Carbon, water and energy footprints, Economics of environmental sustainability,

Agribusiness bankruptcies, health financing, the role of public/private sectors, Institutional regulation and governance

ABSTRACTS

Abstracts must be in English and should include title, author's names, mobile no., postal addresses and email addresses. Please make your abstract as informative of the text as possible. The organising committee may not include the abstract if it does not meet the guidance laid out. All text should be in Times New Roman, font 11. The abstract title should be written with capitals in bold. Name(s) and address (es) of author(s) should follow under the title. For papers with multiple authors, the presenting author should be underlined. Different affiliation of authors should be indicated by numbered superscript. Abstracts should not be longer than 500 words (excluding titles, names etc) in MS word format. Abstract should be submitted as an e-mail attachment or as an electronic copy in a CD with the hard copy.

The deadline for submission of abstracts will be November 15, 2014. Abstract or enquiries about the abstracts should be sent by the e-mail: infonesa88@gmail.com

INSTRUCTION FOR THE PAPERS TO BE CONTRIBUTED

Contributions are invited on all aspects of major topics of the conference. Contributed papers must be presented by one of the authors. Each speaker will be allotted 15 minutes for the presentation including 5 minutes for discussion. Chairperson will be responsible for keeping session on schedule. Each lecture room will be provided with a standard overhead projector, slide projector and LCD projector.

INSTRUCTIONS FOR POSTERS

Posters must be prepared strictly as per the guidelines and should not be more than 1 metre wide and 1.5 metre height. The title should be printed in all capitals at least 30mm high. Under the title, the name of the authors, e-mail ID, institution, city and country should be printed in small letters. Place a postcard– sized photograph of the presenting author at the right hand side of the title. The message should be clearly understandable without oral presentation. Authors should be prepared to present their posters according to the programme.

BEST PAPER/POSTER AWARD

To encourage students and young scientist, two awards along with certificate of merit will be given for the best paper/poster presented during the conference. Only the students/young scientists below the age of 35 years are eligible for the competition. Interested candidates should send their age proof duly certified by the Supervisor /Head of the Department.

PUBLICATION OF FULL PAPERS

The papers presented at the conference will be published in the form of special issue / proceedings. All the manuscripts will be reviewed. The manuscript should have the title of the paper, author's names and affiliation and keywords on the first page followed by Abstract, Introduction, Materials and Methods, Results, Discussions, Acknowledgments and References. All the references should strictly follow the standard format.

REGISTRATION

Please fill up the registration form available on the website www.nesaindia.in and send it to the Academy's address by post. You will find the form on the www.nesaindia.in It is essential that everyone wishing to attend the conference pay the fee in advance and register.

Dr. S.Z. Qasim
President

Prof. A. Arunachalam
Organising Secretary