

Rs 4500/- if paid afterwards. For ISAS Life members the registration fee will be Rs 2500/-. The fee entitles the participants to a conference kit, refreshments and lunch during the conference. Registration fee can be paid through crossed Demand Draft favoring IASC 2012 payable at Ernakulam and should reach the chairman - National organizing committee latest by 15th January 2012. Registration fee at site will be Rs 5,000/-. For students and research Scholars registration fee will be Rs 1500/-

AWARDS

There are awards for best contributed paper (oral and poster) presentation.

TRAVEL AND ACCOMMODATION

The participants are requested to make their own travel arrangements. Kanyakumari has a wide choice of good hotels with tariff ranging from Rs. 500 to Rs. 5000 /- per day. Accommodation may be arranged for outstation participants on request on payment basis in the hotels. Those desirous of availing the facility should clearly indicate the same in the accommodation form. They should send one day's rent in advance to reserve their accommodation.

KANYAKUMARI, THE SOUTHERN MOST TIP OF INDIA

Kanyakumari or Cape Comorin, the southern most tip of peninsular India, is the confluence point of three oceans - the Bay of Bengal, the Arabian Sea and the Indian Ocean. Apart from this, it is renowned for its exotic sunrises and sunsets over the horizon. One of the unique features of Kanyakumari is the multicolored sand found on its beach. Tourist attractions: Swami Vivekananda rock; Gandhi Memorial (Mahatma's ash was kept for public viewing before submersion); Thiruvalluvar statue (133 ft) etc.



REACH KANYAKUMARI

By Air : The nearest airport from Kanyakumari is situated at Trivandrum about 80 km away. Trivandrum is directly connected with Bangalore, Mumbai, Cochin, Delhi, Goa, and Chennai by regular flights.

By Rail : Kanyakumari is well connected by rail to major parts of the country by broad-gauge railway network. Superfast trains connect the southern most railhead of India with all major cities in India.

By Road : Kanyakumari is connected by road to Trivandrum (86 km), Nagarkoil (19 km), Tirunelveli (91 km), Tiruchendur (89 km), Tuticorin (129 km), Rameshwaram (300 km), Courtallam (130 km), Madurai (242 km), Thekkady (358 km), Kodaikanal (362 km), Palani (370 km), Ootacamund (576 km), Cochin (309 km) and Coimbatore (478 km).

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INDIAN ANALYTICAL SCIENCE CONGRESS -2012

Theme:
Analytical Chemistry
for Energy,
Environment and Life Sciences

Organized By



Indian Society of Analytical Scientists (ISAS)

on
January 27 - 28, 2012
 at
Kanyakumari, Tamil Nadu

ISAS

The Indian Society of Analytical Scientists (ISAS), was established in 1983 with the aim of dissemination of scientific information in the field of Analytical Sciences. It is the premier professional society and forum of its kind in India engaged in assessing and analyzing the impact of measurement sciences on industry, academy, R&D and community. ISAS has more than 2500 life members, 13 chapters spread all over India. Over the years ISAS has organized more than 30 national seminars on various topics of interest to scientific community. ISAS is organizing the next Indian Analytical Science Congress at Kanyakumari, Tamil Nadu during January 2012. The theme of the congress is, "Analytical Chemistry for Energy, Environment and Life Sciences".

SCOPE AND STRUCTURE

The aim of the proposed conference is to introduce young researchers to the present challenges for analytical science in the areas of Energy, Environment and Life Sciences. Analytical chemistry assumes a prominent role in the field of energy, environment and life sciences. Energy use and supply are fundamentally important to society. With the possible exceptions of agriculture and forestry, the use of energy has had a greater impact on the environment than any other human activity—a result of the large scale and pervasive nature of energy-related activities. Although energy and environmental concerns were originally local in character—for example, health and safety issues associated with extraction, transport, or noxious emissions—they have now broadened in scope to cover regional and global issues, such as security, acid rain and the greenhouse effect. The economics of energy use and the cost of environmental control have become major political issues and the subject of extensive national and international debate and regulation. Environmental protection depends upon accurate sampling and chemical analysis of air, liquid and solid materials. Analytical tools have proven extremely useful for analysis of energy, environmental, and economic systems, facilitating credible, defensible decisions regarding large-scale deployment. Analytical chemistry contributes significantly to the life sciences through developing measurement techniques that provide quantitative chemical information. Developments in biological research present new challenges for analytical chemistry and call for revolutionary methods and new thinking. Analytical scientists play key roles in developing new technologies in the three areas. A variety of other topics will be presented and discussed in this conference by eminent speakers. Efforts will be made to identify the directions to which research in analytical chemistry have to move in order to respond to the problems faced by scientists working in the field of energy, environmental and life sciences. In this conference efforts will be made to cover the entire spectrum of analytical chemistry with special emphasis on topics related to energy, environment and life sciences. The conference will focus on both traditional and emerging fields of analytical science. Professionals from various scientific fields are expected to attend the conference for deliberating and exchanging their current knowledge on scientific and technological issues related to applications of the analytical science and technology to decide on the future course of action. The conference also aims at networking scientists working in the area of analytical, energy, environmental and life sciences and those who are interested in knowing the new and latest developments in applications of analytical science. The conference is expected to provide excellent opportunities

for both formal presentations and informal discussions for participants on various aspects of the applications of analytical science in the informal settings at Kanyakumari.

CONFERENCE DATE

January 27-28, 2012

LANGUAGE

The official language of the Conference is English

VENUE

The conference will be held at Hotel Singaar International, Kanyakumari,

CLIMATE

The climate at Kanyakumari during January will be generally pleasant. The temperature will be between 20-25 degree Celsius.

PROGRAMME

The programme of the conference will consist of plenary/keynote/invited lectures by eminent scientists, contributed papers and posters by young scientists on a large variety of modern topics in analytical chemistry. Papers on the following topics on application of analytical science will be considered for oral or poster presentation at the conference:

- Environmental analysis and measurements / Electroanalytical Methods
- Analysis of food and Agricultural products
- Analytical methods for the identification and determination of toxic compounds/metabolites.
- Application of Chemical and Biosensors .
- Application of Spectroscopic methods.
- Mining and mineral processing.
- Catalysts.
- Separation methods.
- X-Ray Techniques.
- Hyphenated techniques.
- Imaging Techniques.
- Trace Analysis and Speciation.
- Nuclear Industry.
- Thermal methods.
- Biotechnology
- Forensic Analysis.
- Clinical and biochemical Analysis.
- Nuclear analytical methods
- Pesticide analysis
- Nanotechnology
- Cosmetics analysis
- Pigments analysis
- Petroleum and Petrochemical analysis
- Chemometrics and Statistics
- Chromatography
- Electrochemistry /Electrophoresis
- Miniaturisation
- Novel Assays
- Sampling and sample handling
- Spectrometry and spectroscopy



In addition to these main categories, the scientific committee will accept contributions of papers that are relevant to the field of Instrumental Methods of Analysis in general, describing important new concepts, or providing insights of analytical processes and methods, as well as novel applications of analytical science in the area of energy, environment and life sciences. Contributions from commercial organizations are encouraged, including detailed descriptions of new instrumentation, specific applications, and assessment of future commercial trends and opportunities.

EXHIBITION

An exhibition of analytical instruments, accessories, scientific books and journals will be held during the conference. Organizations interested in participating in the exhibition may contact the chairman, national organizing committee of the conference for details.

CALL FOR PAPERS

The organizing committee has great pleasure to request your participation in the conference and submit contributed papers dealing with any of the topics mentioned. An extended abstract of the technical paper should be submitted by e-mail to isaskerala@gmail.com or iascongress2012@gmail.com before 30th, November, 2011. Authors will be notified of acceptance of abstract by December 15th, 2011.

ABSTRACT FORMAT

Authors wishing to present a paper at the Conference are requested to submit an abstract of not more than 500 words. The abstract should be in English and conform to the following format:

Title in Times New Roman 14, bold capital letters, centered; Author(s) Name(s) in Times New Roman 12, centered, presenting author's name underlined; affiliation and address (including e-mail) in Times New Roman 12, centered; Text in Times New Roman 12. Please give a margin of 3cm on top and bottom and 2.5 cm on left and right side of each page. Figure caption should be given under the figure and table heading should be given on the table, both in Times New Roman 12. References in the text should be in square brackets and they should be listed at the end of the extended abstract in the ascending order, with initials and names of all authors, journal name, volume (bold), page and year (in brackets).

FOR EXAMPLE

L.H. Gerow, J.E. Smith, M.W. Davis; *Srp. Sci. Tech.*, 16, 519 (1981).

Books should be cited as follows:

D. Suriyachat and P.A. Distin; "Zirconium Solvent Extraction with Cyanex 923", *Solvent Extraction in the Process Industries* (Eds D.H. Logsdail and M.J. Slater); Elsevier Applied Science, London, 1, 265 (1993).

An original hard copy of the abstract along with an electronic version on CD-ROM should be sent to the Convener. Please protect your CD-ROM against damage during mailing by using suitable packing. Abstracts may also be e-mailed to drvnrnair@yahoo.com or nairvrdr@gmail.com. Abstracts will be considered by a panel of referees for inclusion in the programme. Authors will be notified whether their abstract has been accepted or not. Abstracts of all accepted papers will be available to registered participants.

REGISTRATION FEE

Participants of the conference are requested to register. The Registration Fee is set at Rs 4000/- if paid on or before 31st, December 2011 and