# International Conference

# On

**RAAS-2014**

## *Organized by*

**Department of Chemistry, IIT, BHU**

**&**

**Indian Society of Analytical Scientists ISASVaranasi Chapter**

**(in association with ISAS head office)**

**About Varanasi**

Varanasi, the eternal city, is one of the most important pilgrimage sites in India and also a place for tourist attraction. Situated at the bank of scared river Ganges, Varanasi has been a centre of learning for Indian culture, music, science, as well as technology. Lord Buddha first preached his sermons of enlightment at Sarnath situated only at a distance of 15 km from Varanasi The city is a symbol of Hindu renaissance and has a special role. Varanasi is also known as Kashi and Benaras, but its present name is a restoration of an ancient name meaning the city between two rivers- the Varuna and Assi. For the pious Hindu’s, the city has always been a special place. The climate at Varanasi during March will be generally pleasant. The temperature will be around 17-34°C. For additional details, <http://weatherspark.com/averages/33932/3/Varanasi-Uttar-Pradesh-India>, & :<http://www.up-ourism.com/destination/varanasi/varanasi.htm>.

**About Indian Institute of Technology (BHU) Varanasi and the Department of Applied Chemistry:**

The Indian Institute of Technology (Banaras Hindu University), Varanasi owes its existence to the far-sighted vision and relentless efforts of its founder Mahamana Pandit Madan Mohan Malviya. During the days of freedom struggle, three engineering and technological institutions were established by Malviyaji, viz. the Banaras Engineering College (BENCO) in 1919, the College of Mining and Metallurgy (MINMET) in 1923 and the College of Technology (TECHNO) in 1932. The first-ever degree course in Mining, Metallurgy, Ceramics and Pharmaceutics in India were pioneered at BHU. With the Institutes of Technology (Amendment) Act, 2012 the erstwhile Institute of Technology, BHU has become Indian Institute of Technology (Banaras Hindu University), Varanasi *w.e.f.* June 29, 2012. The Department was established in year 1985 and it comprises of highly qualified, trained and dedicated faculty. The prime responsibility of the Department is to organize the teaching of Applied Chemistry programmes and   provide excellent research facilities in the thrust areas of Applied Chemistry and related Engineering disciplines.  The Department has guided about 100 Ph.D.’s and published over 1000 research papers in leading International and   National Journals. The Departmental research has been supported by DST, DOEnv. MHRD, CSIR, UGC and AICTE. Ref: <http://www.iitbhu.ac.in/>

**Scientific Program**

Conference will consist of key note address,plenary lectures, invited talks, oral and poster presentations along with exhibitions from instrumental Vendors and manufacturers.

# Registration Form

# International conference

# on

**RAAS-2014**

**Department of Chemistry, IIT, BHU**

&

**Indian Society of Analytical Scientists ISAS**

**(Varanasi Chapter)**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Designation \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Affiliation \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Address \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Telephone \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Please tick:**

### Contributing a paper & abstract enclosed

Registration fee (DD) is sent herewith

Registration fee will be sent before due date

Arrangement for accommodation is requested

Particulars about accommodation

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**Details of fee:**

Name of the Bank: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

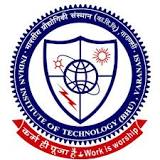
DD number and date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature with date:

**Travel and Accommodation**

The participants are requested to make their own travel arrangements. **Varanasi** has a wide choice of good hotels with a wide tariff range. Accommodation can be arranged for outstation participants 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. Delegates from outside India are advised to contact **Dr. DhaneshTiwary, Convener RAAS-2014** for accommodation and visa information.







**Exhibition**

An exhibition of analytical instruments, accessories, scientific books, journals, *etc*. willbe held during the conference. Organizations interested in participating in the exhibitioncan avail the facility on payment of Rs.20,000/- by advance booking. A souvenir of the proceedings will be published and the multicolor advertisement tariffs are given below:

|  |  |  |  |
| --- | --- | --- | --- |
| **Location** | **Tariff** | **Location** | **Tariff** |
| Back Cover | Rs.15,000 | Front Inside Cover | Rs.12,000 |
| Back inside cover | Rs.10,000 | Full Page | Rs. 8,000 |

**Call for Papers**

The organizing committee has pleasure requesting 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 [**2014RAAS @gmail.com**](mailto:RAAS2014@gmail.com)on or before December 20, 2013. Authors will be notified of acceptance of abstract by January 05, 2014.*There are awards for best oral and poster presentations.*

**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; Sep.Sci.Tech., 16, 519 (1981)

D. Suriyachat and P.A. Distin; "Zirconium Solvent Extraction with Cyanex

923",Solvent Extraction in the Process Industries(EdsD.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 [**RAAS2014@gmail.com**](mailto:RAAS2014@gmail.com)

**Registration Fee**

The fee entitles the participants to a conference kit, refreshments and lunch during the conference. Registration feecan be paid through crossed Demand Draft favoring RAAS2014 payable at Varanasi and should reach the Convener latest by January 30, 2014.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Before 20-01-2014** | | **After 20-01-2014** | |
| From India  Rs. | From abroad  USD($) | From India  Rs. | From abroad  USD($) |
| Students/Postdocs | 1500/- | 200/- | 3000 | 250/- |
| Faculty members/Prof | 2500/- | 300/- | 3000 | 500/- |
| Life members of ISAS | 1500/- | -- | 3000 | -- |
| Others/Industries | 5000/- | 500/- | 7000 | 6000/- |

**Tour:** Subject to the decision of majority delegates, staying on 30 March, a half day tour may be arranged to Sarnath,the famous  pilgrimage of Lord Gautam Buddha which has a scenic Deer park & Sarnath Archeological Museum.

**Patrons**

**Dr. R. K.Sinha, Chairman,& Seretary Atomic Energy Commission**

**Shri S.  Basu,Director, BARC.**

**Dr. Lalji Singh, Vice Chancellor, BHU**

**Dr. Rajiv Sangal, Director, IIT, BHU**

**Dr.J.P.Mittal, Raja Ramanna Fellow, DAE**

**Dr. Arvind Mishra, President, CadillaPharma.**

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**Dr. Subhash C .Tripathi, Chief Convener RAAS-2014, Vice President-ISAS**

**Dr. P. Unnikrishnan, Secretary-ISAS**

**Local Organizing Committee**

**Chairman:  Prof. M.A. Qureshi, Head, Department Chemistry,IIT- BHU**

**Convener:Dr. DhaneshTiwary, Department Chemistry,IIT-BHU**

**Co-Convener: Prof. S.H. Hassan, Department Chemistry, IIT-BHU**

**Treasurer: Dr. Pankaj Srivastav**

**Address for Communication**

**Dr. DhaneshTiwary, Local Convener RAAS-2014**

**Department Chemistry, IIT-BHU**

**Varanasi-221005, India**

**Email:**[**dtiwari.apc@itbhu.ac.in**](mailto:dtiwari.apc@itbhu.ac.in)**and Mobile:09415992174**

**Important Deadlines**

**Abstracts submission December 20, 2013**

**Acceptance of abstracts January 05, 2014**

**Payment of registration fee January 20, 2014**

**Conference** **March 27-29, 2014**

**Accommodation:** Fairly good budget luxury hotels in Varanasi are available in the range of Rs.1500 -3000. (US$ 60-200). [http://www.diamondhotel.co.in](http://www.diamondhotel.co.in/), <http://www.thegatewayhotels.com/gangesvaranasi>.

**Indian Society of Analytical Scientists (ISAS)**

Established in 1983, The Indian Society of Analytical Scientists (ISAS), is a premier scientific forum for discussion interaction and forging collaboration among analytical fraternity in Academia, Industry and R&D institutions. ISAS has more than 2500 life members and 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.

**Scope and structure**

The conference is expected to forge an active cooperation among researchers in Academic, R&D Institutions & industries pertaining to Biotechnology, Nuclear technology, Material Science, Pharmaceutical Industry and Petroleum industries towards harnessing the advancements in analytical science to accomplish their individual objectives. Analytical science also plays a significant role in the development nuclear energy as safer energy option to cater to industrial energy needs as well as mitigating ecological & environmental problems. Besides, the conferences organized by ISAS continue to impart some valuable inputs to amateur analytical scientists & students to overcome the challenges encountered in standardization and validation of analytical method.

It is with pleasure that the organizing committee (in association with ISAS Head Office) invites you to attend this International event at beautiful campus of Banaras Hindu University located in oldest spiritual City of the Ganges. RAAS-2014will provide you the ideal forum to stimulate ideas and establish collaborations as well as to initiate fruitful discussions on the most diverse topics of Analytical science. Topics will specifically cover innovations in:

* ***Electronalytical Techniques***
* ***Chromatography and Hyphenated chromatographic analysis***
* ***Mass spectrometry & Spectroanalytical techniques.***
* ***Analytical methods for Biotechnology, Pharmaceuticals***
* ***Radioanalytical Chemistry for Nuclear fuel cycle & Environmental monitoring***
* ***Techniques for characterization of catalyst, nanomaterials Polymers & membranes***
* ***Process Control Analytical developments***
* ***Analytical applications of novel Functional Polymers membranes and Molecularly   Imprinted polymers***
* ***Sampling & Sample cleanup of complex matrices***

**LANGUAGE:** The official language of the Conference is English

**VENUE:** IIT Senate Hall, BHU, Varanasi

#### Scientific Program: Conference will consist of Plenary lecture keynote address, Invited talks (25min) Oral paper(10 min) and poster presentations along with exhibitions from Instrumental Vendors n manufacturers.

**Members from Department of Applied Chemistry, IIT-BHU**

**Prof. R.B. Rastogi, Prof. P.C. Pandey Prof. M.M. Singh, Y.C. Sharma, Dr. Indrajit Sinha.**

**Members from Department Chemistry, Faculty of Science, BHU**

**Prof. D.S. Pandey, Prof. B.Ram, Dr. I. Tiwari, Dr. A. Mishra, Dr. Rajesh Kumar, Dr. V. Ganesan, Dr. B. Maiti Dr. L.B. Prasad, Dr. M.K. Bharty, Dr. S. Krishnamoorthi, Dr. S. Saha, Dr. Pankaj Srivastava and Dr. P.P. Solanki**