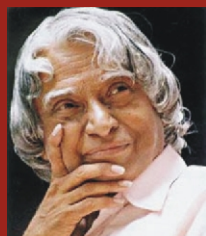


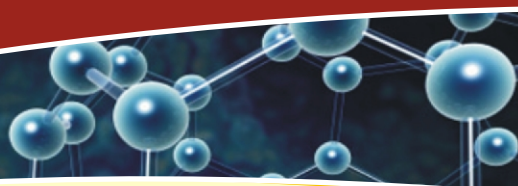
ACHARYA P C RAY NATIONAL YOUNG SCIENTISTS' CONFERENCE

17-18 February, 2012



Revised Brochure:

- ▶ Rescheduling of dates
- ▶ Inauguration by
Prof APJ Abdul Kalam



Scientific Pavilion
and
Exhibition



FOCAL THEME
**Advances in Chemical,
Pharmaceutical**
and
Ayurvedic Sciences

**3rd Rashtreeya Yuva
Vaigyanik Sammelan,
Vijnana Bharati**

*A more remarkable career than that of
P C Ray could not well be chronicled.*
- Nature



Presidency University



Vivekananda Vijnan Mission
(Vijnana Bharati, WB unit)



Calcutta University

The vast store of knowledge inscribed in the ancient scriptures indicates that India has a long tradition of scientific culture. In the same direction Acharya Prafulla Chandra Ray, the doyen of modern chemical science & technology in India, advocated - 'We have reason to believe that ancient India was the cradle of Mathematical sciences'. Acharya's voluminous incredible creation – the masterpiece entitled 'A History of Hindu Chemistry' describes in depth a detailed account of our scientific heritage and Indian contribution to science. In the pre-independence British era, some great scientists took giant efforts to revive our scientific tradition. Acharya P C Ray was pioneer among them.

India having the third largest number of scientific human resources and a fast growing developing nation is at the verge of many basic issues which can be addressed and solved through the intervention of science and technology. In the world of scientific community, India possesses the biggest number of young scientists and technocrats. National Young Scientists' Conference, to be held at Kolkata, is supposed to be one of the largest conglomeration of young scientists and students of India discussing and debating their research findings and the present scenario in their respective areas in the Indian context. The need as well as the issues related to scientific research in many fields will be discussed in groups and together with the policy makers and great scientists of the country.

Acharya P C Ray, born 2nd August 1861, is regarded as the father of Indian chemical industry; he also remains as a role model in the scientific world as a source of inspiration and guiding force for the younger generation. Hence this conference is being dedicated to Acharya P C Ray to commemorate his 150th birth anniversary to highlight his contributions.

Acharya started his journey as a teacher and scientist in the Presidency College of Calcutta in 1889 and continued there till his retirement in 1916. There after he spent rest of his life from 1916 to 1936 in the University College of Science, Rajabazar, where he built up the department of Chemistry to a great height and breathed his last in a room in the campus. Both the universities, nourished and cherished by

Acharya P C Ray's presence and contributions, have joined with Vivekananda Vijnan Mission (West Bengal chapter of Vijnana Bharati) to organise this National Young Scientists' Conference. This is the third National Young Scientists' Conference initiated by Vijnana Bharati.

We are most privileged in announcing this unique scientific meet at the premises of Presidency University and Calcutta University. The patronage and support of Dr. T Ramasami, Secretary, DST, GOI; Prof S K Brahmachari, DG, CSIR; Dr K Radhakrishnan, Chairman, ISRO and many other highly recognized institutions and individuals will truly create a new road map and high enthusiasm in the thought process of Indian youngsters.

**Dates rescheduled :
17th to 18th February, 2012**

The conference was originally scheduled to be held during December 17-18, 2011. But considering some positive developments that may be achieved if it is deferred, the conference has been rescheduled from 17th to 19th February, 2012. This change has brought to this young scientists' conference the unique opportunity to pay homage to Swami Vivekananda (12th January 1863 – 4th July 1902), the icon of youth power of India, in his 150th birth year along with Acharya P C Ray. His birthday (12th January) has been declared by the Government of India as National Youth Day.

**Inauguration by Prof. APJ Abdul Kalam,
former President of India.**

In addition, immense glory has been added to the conference by the icon of scientific might of modern India and former President of this country, Honourable Prof. APJ Abdul Kalam, who has kindly consented to inaugurate the conference to enthuse the young scientists in building the nation as a tribute to these illustrious sons of India.

Focal Theme of The Conference

'Advances in the Chemical, Pharmaceutical and Ayurvedic Sciences'.

Programme Venue

Presidency University and Calcutta University (Main campus), College Street, Kolkata.

Programme dates

17th – 18th February, 2012

Plan of The Conference

The conference includes Plenary lectures, Invited Lectures and Contributory Research papers in the form of oral presentation in English only and poster presentation both in English and Hindi.

Participants

The Conference welcomes Young Scientists, Technocrats, Academicians, Policy Makers, Entrepreneurs, Research Scholars, Students and other professionals having innovative practice and ideas and anybody having likings for science.

Upper Age Limit for Participation

The participants within 40 years of age are eligible to join the conference as DELEGATE and those above 40 years as OBSERVER.

Call For Papers

Delegates are invited to submit Papers only in English on following subjects:

1. Basic Sciences (Physics, Chemistry, Mathematics and Life Sciences)
2. Industrial Chemistry & Chemical Technology
3. Pharmacy & Pharmaceutical sciences
4. Ayurveda
5. Agriculture, Fishery and Animal Husbandry
6. Engineering Sciences.

The abstract should be attached with registration form of Conference. In case of joint authorship, Paper must be presented by the young scientist within 40 years of age.

The abstract of Papers with following details should be sent beforehand:

- I. Paper Size: A4; II. Font: Times New Roman (English); III. Font Size: 12 points; IV. Line Space: Double Spacing; V. Words count/limit: Up to 250 words; VI. File: MS Word/PDF/tiff file. **On top left corner of abstract, contributors are informed to mark subject of research paper.**



Dr. A.P.J. Abdul Kalam garlanding Acharya P.C. Ray's photo on his 150th Birth Day in Kerala with Engineer A. Jayakumar, General Secretary, Vijnana Bharati, on his right side



Procession by students at Howrah on Acharya P.C. Ray's 150th Birth Day



Books and DVD Release Ceremony on 20th May, 2011 on J.C. Bose: Prof. Sibaji Raha, Director, Bose Institute; Swami Atmapriyananda, VC, RK Vivekananda University; Sri N.C. Jha, Chairman, Coal India Ltd; Prof. Siddhartha Roy, Director, IICB; Prof. Kankan Bhattacharya, Director, IACS



Jawaharlal Nehru Prize received from Hon. Prime Minister of India, Dr. Manmohan Singh

Cardinal Dates

The important dates with regard to Conference are as under:

- | | |
|---|--------------------|
| 1. Submission of Abstract along with Registration Form by E-mail or by post | 1st January, 2012 |
| 2. Notification of acceptance of Papers | 7th January, 2012 |
| 3. Submission of Registration Form along with Fee | 7th February, 2012 |

N.B. Full text of paper should be submitted preferably before conference.

Registration Fees

The details of Registration Fees of the Conference is as under:

Category No.	Type of Delegates	Registration fee with boarding and lodging	Registration fee without boarding and lodging
1.	Institutional/Sponsored Delegate (2 delegates)	Rs. 5000.00	Rs. 4000.00
2.	Delegate / Observer *	Rs. 1500.00	Rs. 1000.00
3.	Accompanying Persons (without Registration kit)	Rs. 1200.00	Rs. 800.00
4.	Students (upto Masters) [#]	Rs. 500.00	Rs. 300.00

* There will be 50% concessions on above charges for Vijnana Bharati life members, faculty members of Presidency and Calcutta University and 25% concessions for school teachers.

Students should bring college Identity Card.

Account payee cheque/draft (payable at Kolkata) should be drawn in the name of '**P C Ray Conference Committee**'. Cheques should be All India payable at par.

Online payment may be done from **one's own Account only** to S/B Account No-**95982010057188**, Syndicate Bank, Salt Lake city, Kolkata, IFSC Code-**SYNB0009598**.

Spot Registration

If situation permits, Spot/ Registration will be provided without guarantee for accommodation and kitbag.

The registration form and other details are available at website: www.youngscientists.in. The website should be visited for latest notification. Registration can be done online. A soft copy of abstract as well as filled registration form should be sent at apcray150@gmail.com or by post.

Accommodation

The hostel type accommodation will be arranged for students and scholars. Accommodation for others will be mainly on sharing basis in Govt./Research Institute guest houses/moderate rate hotels. Those desirous of having single/double bed/special accommodation may request organisers for *which extra payment may be levied*.

About Kolkata

Kolkata, formerly known as Calcutta, is the capital of West Bengal State and commercial hub of eastern India. Kolkata served as the capital of India during the British Raj until 1911 when due to growing national movement in Bengal, the capital was shifted to Delhi.

Kolkata is still dominant as the centre of modern education, science, culture, and politics in India. Kolkata produced Scientists like J C Bose, Satyen Bose, P C Ray, M N Saha, S N Dey and many more. All the Nobel laureates of India - Ronald Ross, Rabindranath Tagore, C V Raman, Mother Teresa, Amartya Sen; the great exponent of India - Swami Vivekananda, great leader - Netaji Subhash Chandra Bose and the film maestro - Satyajit Ray belong to this city. During winter the climate is pleasant (11-22 degree C average).

Important places of visit : Kalighat temple, Dakshineswar Temple, Belur Math, birth places of Swami Vivekananda, Rabindranath Tagore; House of Netaji Subhas, Birla Planetarium, Birla Industrial Science and Technology Museum.

Organizers

Vivekananda Vijnan Mission

Vivekananda Vijnan Mission is the West Bengal State Unit of Vijnana Bharati (VIBHA).

Vijnana Bharati is popular as Swadeshi Science Movement where "Swadeshi" connotes the Bharatiya View on Science where from a single framework, all the three knowledge systems, viz. natural sciences, social sciences, and spiritual sciences, have been developed integrally, holistically and all inclusively right from the Vedic times. VIBHA is a movement in the field of Science and Technology rooted in the ethos of Indian culture with modern science adapted to national needs. It has received two national awards for popularizing science. VIBHA conducts regularly world congresses on Vedic sciences, Ayurveda and also holds the Bharatiya Vigyan Sammelan. Vivekananda Vijnan Mission is holding many programmes in the state. It organised seminars on Scientific Heritage and Ayurveda, celebrated 150th birth anniversary of Acharyas J C Bose and P C Ray through exhibition, seminars, publishing books and DVDs etc.



Presidency University

Established as Hindu College in 1817, it is the oldest educational institute in India. It was founded by Raja Rammohan Roy and other eminent personalities. Pupils came from all parts of the country. In 1855, it was taken over by the Government and renamed as the Presidency College. It came under University of Calcutta in 1857. Eminent teachers like Sir J C Bose, Acharya P C Ray taught in the college. During freedom movement, the college was epicentre of nationalist activities. With Subhas Chandra Bose in the helm of affairs, the historic Oaten incident occurred here in 1916. Ex-Presidencians include wide spectrum like Satyajit Ray, Nobel Laureate Prof Amartya Sen; Netaji Subhas Chandra Bose; Dr Rajendra Prasad, first President of India; Md Ali Bogra Prime Minister of Pakistan, to name a few.

In 2010, Presidency College is upgraded to Presidency University by a legislative act.



Calcutta University

Established in 1857, it was the first multidisciplinary modern University in south Asia with enormous territorial jurisdiction from Lahore to Rangoon and Ceylon. Calcutta University was the heart of Indian education in British period and played pivotal role in Indian Renaissance. Rishi Bankim Chandra Chattopadhyay, the author of 'Vandemataram' was one of two first graduates of the University. Its alumni include notable statesmen like Netaji Subhas Chandra Bose; Pandit Madan Mohan Malabya, founder of BHU; Dr Rajendra Prasad, first President of India; six Chief Ministers of Bengal including present CM, Smt Mamata Banerjee, Sk Mujibur Rahman, ExPresident of Bangladesh; three Prime Ministers of Pakistan, M A Bogra, H S Suhrawardy, Abdus Sattar; Ram Baran Yadav, President of Nepal and B P Koirala, Prime Minister of Nepal. Scientists J C Bose, Meghnath Saha, Satyendra Nath Bose, Industrialist Lakshmi Nrayan Mittal were also students of this University. Four Nobel laureates associated with CU are Ronald Ross, Rabindra Nath Tagore, Chandrasekhara Venkatraman and Amartya Sen. Sarvapalli Radha Krishnan, ex-President of India; taught here. Sir Asutosh Mukherjee and Dr Shyama Prasad Mukherjee were among notable VCs. The university is rightly proud of galaxy of talents. CU enjoys both national and international reputation. It has been accredited 'Grade A' University in 2010.



National award to Vijnana Bharati for Science communication received from Hon Minister for Science & Technology, Sri Kapil Sibal in 2006



Dr S P Gautam, Dr Madhavan Nair, Dr APJ Abdul Kalam, Dr Kailash Vijayvargiya, Minister for S& T, Govt of M P at the inaugural ceremony of Bharatiya Vigyan Sammelan - 2007



F P Marconi, Renowned Physicist, grandson of Marconi with Prof Sibaji Raha, Dr V P Bhatkar & Prof N K Maity during inauguration of 150th Birth Anniversary Celebration of Sir J C Bose at St. Xavier's College, Kolkata



Prof Amita Chatterjee, ex VC, Presidency University addressing after releasing a book on Acharya P C Ray on 10th June 2011 in presence of author Prof N C Mandal.

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Sri S Samaddar Chowdhury, ABRSM,
Dr Tilak R Bera, ABRSM
Sri Mihir Ghosh, ABRSM,
Sri Dinesh Saha, ABRSM,

and all members and staffs of
Vivekananda Vijnan Mission,
Presidency University and
Calcutta University.

Communication

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“I have no sense of success on any large scale in things achieved but have the sense of having worked and having found happiness in doing so.”

“Science can wait but Swaraj can not.”

- P C Ray