



ONE DAY CONFERENCE ON " RECENT ADVANCES IN FUNCTIONAL NANOMATERIALS"



As a Celebration of 125th Birth Anniversary of Prof. S. N. Bose
28th September 2018

Organized by :
School of Studies in Chemistry,
Pt. Ravishankar Shukla University, Raipur, Chhattisgarh

Sponsored by :
S. N. Bose National Centre for Basic Sciences, Kolkata

As a part of the 125th birth anniversary of the legendary physicist Prof. Satyendra Nath Bose, this one day conference is designed to promote the sharing of scientific knowledge, skill and expertise in the areas of functional nanomaterials.

It will provides an interdisciplinary platform to budding scientists, postgraduate students, research scholars and teachers from chemistry, physics, material sciences, solid state electronics and life sciences etc. to know the challenges, recent trends and innovations in materials science. It also offers an opportunity to exchange technical information and network with the peers. Some eminent scientists will deliver lectures on the theme of the conference as well as life and works of Prof S N Bose. **A poster competition will be organized.** A documentary film on Prof. S. N. Bose will also be screened.

The organizing committee cordially invites Research Scholar/ M.Sc. Students/ Faculty Members to participate in this conference. Interested participants may submit their Abstracts for Poster Competition on the following subject before **20th September 2018**. Abstract should be sent to the Convener through Email: kallolkghosh@gmail.com. (School of Studies in Chemistry, Pt. Ravishankar Shukla University, Raipur 492010, Chhattisgarh, Tel: 0771-2263146; Mobile: 94252-16204; 78795-81979).

Topics :

- Synthesis, Characterization and Properties of Functional Nanomaterials.
- Biochemical and Chemical Sensors.
- Nanocomposites and Their Emerging Properties.
- Application of Nanomaterials on Health Care.
- Nanomaterials for Clean Energy and Environment.
- Devices for Energy Storage and Energy Conversion.

Registration Fee : Delegate/Research Scholar : Rs. 300/-
Student : Rs. 200/-

SPEAKERS : Prof. Samir K. Pal, SNBNCBS; Prof. D.C. Mukherjee, CU; Prof. C. R. Sinha, JU; Dr. Sanjib Banerjee, IIT Bhilai; Dr. K C Dewangan, IGNTU, Amarkantak; Dr. Subhash Banerjee, GGU Bilaspur.

Local Organizing Committee :

Patron : Prof. Keshari Lal Verma, Vice-Chancellor,
Chairman : Prof. Manas Kanti Deb, Head S.o.S. in Chemistry
Convener : Prof. Kallol K Ghosh
Organizing Secretary : Dr. Kamlesh Srivash
Dr. Manmohan L. Satnam
Treasurer : Mr. Indrapal Karbhal

Members:

Prof. Rama Pande
Prof. K.S. Patel
Prof. Shamsh Pervez
Dr. M.K. Rai
Dr. Bhanushree Gupta
Dr. Sanjib Banerjee
Dr. Deepak Sinha

Report of the One Day Conference on “ Recent Advances on Functional Nanomaterials” : Pt. Ravishankar Shukla University, Raipur (Chhattisgarh)

(As a celebration of 125th Birth Anniversary of Prof. S. N. Bose)

As a part of 125th Birth Anniversary celebration of legendary physicist Prof. Satyendra Nath Bose, the one day conference on “Recent Advances on Functional Nanomaterials” was organized successfully by the School of Studies in Chemistry, Pt. Ravishankar Shukla University, Raipur, Chhattisgarh on 28th **September 2018**. It was sponsored by S. N. Bose National Centre for Basic Sciences, Kolkata as outreach activities. This conference was attended around 240 research scholars, postgraduate students and faculty members of chemistry, chemical engineering, biotechnology and physics from various institutes and organizations of Chhattisgarh. The conference is expected to have a great impact for young researchers in chemistry, physics and material sciences for collaboration, interdisciplinary research, networking and exchange of ideas across the country as well as in Chhattisgarh region. The participants were mainly from SOS in Chemistry, Centre for Basic Sciences of Pt. Ravishankar Shukla University, IIT Bhilai, NIT Raipur, Govt. Nagarjuna PG Science College Raipur, MATS University, Raipur, Amity University, Raipur, St. Thomas College, Kalyan College, Bhilai Mahila Mahavidyalaya Bhilai and Govt. V. Y. T College, Durg etc.

The Inaugural Session was chaired by the Professor Keshari Lal Verma, Vice-Chancellor of the host Institution. Prof. Dulal Chandra Mukherjee President Indian Chemical Society, Kolkata was the Chief Guest. Professor Samir Kumar Pal, SNBCBS, Kolkata and Prof. C. R. Sinha, Jadavpur University, Kolkata were also grace the occasion as guest of honours. The inaugural session started with

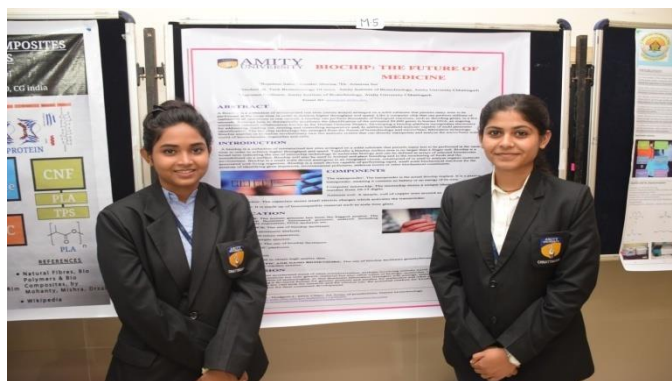
welcome remarks by Prof. Kallol Ghosh, Convener of this program. Prof. K. L. Verma highlighted the achievements of Prof. S. N. Bose and urged all the participants to do novel research work for the society.

The Key Note Address was delivered by Prof. Samir K Pal who talked on multidisciplinary sciences and use of indigenous technology for the betterment of society. He explained various scientific research activities for the self-reliance in the healthcare technology development from the corner of instrumentation and nanomaterials (nanomedicines). He discussed about the principle and working of an instrument which can measure Jaundice, Anemia and Hypoxia. The second lecture was delivered by Dr. Sanjib Banerjee of IIT, Bhilai. He presented design, synthesis and applications of smart functional mesoporous nanomaterials. The third lecture was given by Prof. Chhittaranjan Sinha of Jadavpur University on the use of chemosensor in the selective and specific detection of ions/molecules. After the first technical session poster competition was held and around 41 students presented their posters. Based on the presentations among the student category, many students got special recognition for their presentations. After the poster presentation a documentary film on life and works of Prof. S. N. Bose was screened. In second technical lecture Prof. D C Mukherjee spoke on research and teaching career of Prof. S. N. Bose. He discussed the Bose's contribution on the derivation of Planck's quantum radiation law. He also explained the quantum statistics, Bose-Einstein condensation and the concept of Higgs Boson etc. The last lecture was delivered by Dr. Subhash Banerjee, of Guru Ghasidas Central University, Bilaspur. He spoke on design and development of hybrid functional nanomaterials for clean organic synthesis. The program ended with a valedictory session and prize distribution. The overall quality of the presentations was excellent. There were extensive discussions between the participants and the speakers.

SOME IMPORTANT PHOTOGRAPHS













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CENTRE FOR

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1994-1974

इंस्टीट्यूट फॉर बुनियादी विज्ञान





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EXCLUSIVE
FOR THE
READERS IN
**RAIPUR,
DURG &
BHILAI**

SATURDAY, September 29, 2018



A guest giving lecture during the seminar. (R) Students and professors of various educational institutions present

■ **Staff Reporter**
RAIPUR, Sept. 28

A ONE-DAY seminar on Nano Materials was held in the Chemistry Department of Pt Ravishankar Shukla University on Friday. In his keynote speech, Seminar Organiser Dr. Kallol Ghosh intro-

Technology (IIT) Bhubaneswar. Dr. Sajil Banerjee, Guru Ghasidas University, Bilaspur. Dr. Subhash Banerjee also gave lectures. Jadavpur University Dr. Chittaranjan Sinha discussed on methods to extract poisonous arsenic through sensor.

Indian Chemical Society Kolkata President Professor DC Mukherjee shed light on the usability of Bose-

At the valedictory function, MSc and research students' posters were awarded. Students of IIT Bhilai, National Institute of Technology (NIT) Raipur, Science College, Fundamental Science Centre of PT RSS University, Saint Thomas College Bhilai, Kalyan College, Govt Science College Durg and Arny MATS University took part in the programme.

Presiding over the programme, University's Vice-Chancellor professor Kesharilal Verma stated that they have to take the science to people in easy language. Chief Guest Dr. S N Bose Centre Scientist Professor Sameer Kumar Pal lec-

Thereafter, Dr. Prof Sameer Pal informed about making indigenous equipment to measure the jaundices, anaemia and oxygen deficiency. Indian Institute of

रायपुर, एनिवार 29 सितंबर 2018

रविवि में नैनो मटेरियल स्वरूप पर एक दिवसीय राष्ट्रीय सम्मेलन

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बोस एक मिसाल हैं। उनके शोध कार्य का उपयोग कर विज्ञान को लोगों तक आसानी से पहुँचा जा सकता है। इंडियन केमिकल सोसाइटी कलकत्ता के प्रमुख प्रो. डी.सी. मुखर्जी ने बोस-आइन्स्टाइन-सिद्धांत की उपयोगिता के विषय में बताया।

कई चीजें हुई आसान
जबसे हमें जहाँ चाहें वहाँ जा सकें
अब हमें अपनी सोचों से बचने
परतन में जैविक प्रयोगों की
विधिगत (तकनीक) का प्रयोग करना
आसान है। वैज्ञानिक इन प्रयोगों को
अपनी सोच के अनुसार कर सकते हैं।
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असमेलन में उपरोक्त सीन आईएच
असमेलन कोलेकास के दो ही सी
सुआली, कोलेकास विपरीतविपल्य के
दो सीअन विपल्य असमेलन
विपरीतविपल्य के ही असमेलन असमेलन
आईआईआई विपल्य के ही असमेलन
कोलेकास असमेलन आईआईआई,
एसआईआई के सीन एस असमेलन एस

