

**Application for organizing conference on ‘Science and Technology for the Future of Mankind’ and 6th World Congress on Nanomedical Sciences (ISNSCON-2018)**

**1. Title of Seminar/Symposium/Conference/Workshop**

Conference on ‘Science and Technology for the Future of Mankind’ and 6th World Congress on Nanomedical Sciences (ISNSCON-2018)

**2. Name of Scientific Association/Body/Society/Institution organizing the conference**

Jamia Hamdard University, Delhi and University of Delhi, Delhi

**3. Name, designation and address of Organising Secretary & Convener with Pin Code including telephone/Mobile/Fax/e-mail address.**

Convener: Prof. Farhan J Ahmad, Professor, Pharmaceutics, School of Pharmaceutical Education & Research, Jamia Hamdard, Delhi 110062. Mobile (9810720387). E-mail: [farhanja\\_2000@yahoo.com](mailto:farhanja_2000@yahoo.com)

Organizing Secretary: Dr. Indrajit Roy, Associate Professor, Department of Chemistry, University of Delhi, Delhi-110007. Mobile (9560721851). E-mail: [indrajitroy11@gmail.com](mailto:indrajitroy11@gmail.com)

**4. Date (s) and place of organising Seminar/Symposium/Conference/Workshop.**

8-12<sup>th</sup> December 2018, Vigyan Bhawan, Maulana Azad Road, New Delhi, Delhi 110001

**5. One page Executive summary: Please refer to Annexure-I**

**6. List of Co-Host Institutions: Please refer to Annexure-II**

- 7. (a) Detailed Programme i.e. name of speakers and their topics/titles of papers/lectures etc. (date & time wise) along with list of participants may be submitted. Indicate confirmed speakers. (National & International)  
Kindly include names of speakers only after getting their consent or else mention clearly- consent awaited/ not yet confirmed.**

Please refer to **Annexure-III**

- (b) In what way is the Seminar/Symposium/Conference/Workshop expected to contribute to the existing knowledge in the field?**

Nanotechnology is a multidisciplinary scientific area that is creating major conceptual and technological advances in various scientific fields. These advances offer major advantages in meeting the society's rising expectations for the effectiveness and quality of better livelihood. However, these expectations are optimally met when recent advances and breakthroughs from the laboratory are translated into the clinic for the benefit of the

common man. For this, a concerted effort involving academicians, researchers, clinicians, industry representatives and policy makers are required.

ISNSCON-2018 will be the 6<sup>th</sup> Annual Congress of the International Society of Nanomedical Sciences (ISNS). ISNS, a non-profit scientific organization, was established in order to bring together all parties working in scientific, social, ethical and legal fields related to nanomedical sciences. For this purpose, World Congresses on nanomedical sciences at regular intervals are being organized, starting from the 1st World Congress in China in 2009. These World Congresses have received worldwide attention and audience where leading experts from around the world present their latest scientific work, along with exchanging ideas, discuss current developments and create potential collaborations.

This World Congress revolves around two key themes, namely “Science and Technology for the Future of Mankind” and “Nanomedicine-based new generation of affordable healthcare”. Nanotechnology and nanomedicine has evolved to overcome the various challenges that mankind faces today, which include fast depletion of fossil fuels, environmental pollution and global warming, need for more efficient transportation and communication tools, extensive black marketing of food and other consumable products, skyrocketing healthcare costs, as well as significant increase in deadly diseases such as cancer, cardiovascular and neurological disorders, emergence of new strains of endemic microbes, etc.

These emerging areas of science and technology have wide applications to tackle various practical challenges of today, which include providing alternative forms of clean and renewable energy, advanced communication and transportation technologies, novel industrial catalysts and decontamination agents, ultrasmall data storage devices, ultrasensitive sensing and biosensing, sanitation and cosmetic products, affordable healthcare, etc. These advances have very high societal impact, and promise to significantly enhance the quality of life of the common man. Through this conference, an attempt is being made to briefly illustrate the advantages of application of nanotechnology to open new potential area of applications. These interactions between such diverse participants are expected to pave the way to provide major breakthroughs, foster discussions among various stakeholders to promote global collaboration, and ignite the minds of new generation of scientists in this exciting applied scientific area. The conference will also initiate several international collaborations, and allow the new generation of science enthusiasts to directly learn from several global leaders.

- (c) **What is the total expenditure anticipated? Please give details under various heads.**  
Please refer to **Annexure-IV**

**9. Details of grant requested/received from agencies like DST, DBT, CSIR, UGC, INSA, NAMS and ICAR for the proposed Seminar/Symposium/Conference/Workshop:**

<b>Name of Agency</b>	<b>Grant requested</b>	<b>Grant received</b>	<b>Items for which grant has been asked for or expected</b>
<b>DST</b>	<b>Rs. 50,00,000</b>		<b>TA/DA, Accommodation, Venue, Printing</b>
<b>DBT</b>	<b>Rs. 50,00,000</b>		<b>TA/DA, Accommodation, Venue, Printing</b>
<b>CSIR</b>	<b>Rs. 50,00,000</b>		<b>TA/DA, Accommodation, Venue, Printing</b>
<b>UGC</b>	<b>Rs. 25,00,000</b>		<b>TA/DA, Accommodation, Venue, Printing</b>
<b>INSA</b>	<b>Rs. 25,00,000</b>		<b>TA/DA, Accommodation, Venue, Printing</b>
<b>NAMS</b>	<b>Rs. 25,00,000</b>		<b>TA/DA, Accommodation, Venue, Printing</b>
<b>ICAR</b>	<b>Rs. 25,00,000</b>		<b>TA/DA, Accommodation, Venue, Printing</b>

**10. (a) Name of the authority who will be responsible for submitting the audited statement of accounts/Utilization Certificate.**

The Registrar, Jamia Hamdard University, New Delhi

**(b) The Organizing Secretary would have to submit a brief summary of Scientific activity & copy of proceedings report within a period of three months.**

Yes

**(c) Please indicate whether you are willing to accept up to two nominees of the Council for participation in the Conference without any registration charges:**

Yes

**(d) Name of the authority in whose favour payment of grant is to be released.**

The Registrar, Jamia Hamdard University, New Delhi

**Executive Summary**

**Name of organising Department/ College/ Institute/ Centre & address:** University of Delhi, and Jamia Hamdard, Delhi

**Title of the Conference:** 6th World Congress on Nanomedical Sciences (ISNSCON-2018), and One-Day satellite on “Science and Technology for the Future of Mankind”

**Venue and proposed dates:** Vigyan Bhawan, Delhi, Dates: 8-12 December, 2018

**Whether the Conference is International/National/Local:** International

**Proposed Conference coordinator’s name and affiliation:**

**President:** Professor Ramesh Chandra, Head, Department of Chemistry, University of Delhi.

**Chairman:** Professor Seyed E Hasnain, Vice-Chancellor, Jamia Hamdard, Delhi.

**Convenor:** Professor Farhan J Ahmad, Department of Pharmaceutics, Jamia Hamdard, Delhi.

**Secretary:** Dr. Indrajit Roy, Associate Professor, Department of Chemistry, University of Delhi.

**Concept Note:** This World Congress revolves around two key themes, namely “Science and Technology for the Future of Mankind” and “Nanomedicine-based new generation of affordable healthcare”. Nanotechnology and nanomedicine has evolved to overcome the various challenges that mankind faces today, which include fast depletion of fossil fuels, environmental pollution and global warming, need for more efficient transportation and communication tools, extensive black marketing of food and other consumable products, skyrocketing healthcare costs, as well as significant increase in deadly diseases such as cancer, cardiovascular and neurological disorders, emergence of new strains of pathogenic microbes, etc.

These emerging areas of science and technology have wide applications to tackle various practical challenges of today, which include providing alternative forms of clean and renewable energy, advanced communication and transportation technologies, novel industrial catalysts and decontamination agents, ultrasmall data storage devices, ultrasensitive sensing and biosensing, sanitation and cosmetic products, affordable healthcare, etc. These advances have very high societal impact, and promise to significantly enhance the quality of life of the common man.

ISNSCON-2018 will be the 6<sup>th</sup> Annual Congress of the International Society of Nanomedical Sciences (ISNS), which is a non-profit International scientific organization. ISNS was established in order to bring together all parties working in scientific, social, ethical and legal fields related to nanomedical sciences. For this purpose, World Congresses on nanomedical sciences at regular intervals are being organized, starting from the 1st World Congress in China in 2009. These World Congresses have received worldwide attention and audience where leading experts from around the world present their latest scientific work, along with exchanging ideas, discuss current developments and create potential collaborations.

ISNSCON-2018 will be a major international scientific conference featuring several exciting thematic areas (please refer to the enclosed brochure) from the world of nanoscience and nanotechnology. The speakers will include several Nobel Laureates and other distinguished scientists and physicians from the frontier areas of nanoscience and nanotechnology and allied areas. We are expecting around 2000 participants, which will include Nobel Laureates, other distinguished scientists and physicians, post-

doctoral fellows, students, engineers, regulators, investors, industry representatives and other stakeholders.

This congress will provide a global platform for cross-fertilization of ideas among academia and industry. A major aim will be the promotion of translational research for ushering the next generation of affordable healthcare for the common man, along with bolstering of the global economy. Another aim would be to introduce cutting edge nanoparticle-based technologies for everyday solutions. The conference will also initiate several international collaborations, and allow the new generation of science enthusiasts to directly learn from several global leaders of various areas.

**Impact on subject area:** This world congress will bring representatives from various disciplines related to scientific, technological, clinical, legal, environmental, ethical, etc., under a common forum for meeting today's healthcare challenges. These interactions are expected to pave the way to provide major breakthroughs to foster discussions among various stakeholders to promote global collaboration, and ignite the minds of new generation of scientists in this exciting applied scientific area.

**Expected Outcome in the form of curriculum support, publications, e-post, any other:** During the world congress, the interactions between a diverse range of participants will pave the way for providing major breakthroughs and foster discussions among various stakeholders to promote global collaboration, and igniting the minds of new generation of scientists in this exciting applied scientific area. A major outcome will be the promotion of translational research for ushering the next generation of affordable technologies and healthcare for the common man, along with bolstering of the global economy. The conference will also initiate several international collaborations, and allow the new generation of science enthusiasts to directly learn from global leaders of various areas.

These World Congresses have received worldwide attention and audience where leading experts from around the world are presenting their latest scientific work, along with exchanging ideas, discuss current developments and create potential collaborations. The conference will be extensively publicized all around the world for worldwide audience and dissemination. The medium of publicity will be print medium as well as online (social) medium. The proceedings of this world congress will be published in the form of an abstract book. Selected presentations after peer review will be published in the official 'journal of artificial cells nanomedicine and biotechnology'. In addition, this congress website will be extensively circulated globally through the ISNS network. The website will also be circulated in the social media, such as LinkedIn, Facebook and twitter, for extensive viewership.

**List of Co-Host Institutions**

1. Central University of Kerala, India, Prof. G.Gopa kumar, Vice-Chancellor.
2. Central University of Rajasthan, India, Prof. (Dr.) Arun K Pujari, Vice-Chancellor.
3. School of Biotechnology, Jawaharlal Nehru University, New Delhi, Prof. Pawan K. Dhar, Dean
4. Indira Gandhi National Tribal University, Madhya Pradesh.
5. Indira Gandhi National Open University, Maidan Garhi, New Delhi, Delhi
6. Choudhary Charan Singh Haryana Agricultural University, Hisar-125 004, India, Prof. K.P. Singh, Vice- Chancellor.
7. NIPER Guwahati, India, Dr. U.S.N Murty, Director.
8. NIPER Hyderabad, India, Dr. Shashi Bala Singh, Director.
9. NIPER Kolkata, India, Dr. V. Ravichandiran, Director.
10. NIPER Mohali, India, Dr. Raghuram Rao Akkinapally, Director.
11. AIIMS Rishikesh, India, Prof. Ravi Kant, Director.
12. AIIMS BHOPAL, India, Dr. Sarman Singh, Director.
13. Institute of Nuclear Medicine & Allied Sciences- DRDO, Delhi.
14. ICMR-National Institute for Research in Tribal Health, Nagpur Road, P.O. Garha, Jabalpur, India, Dr. Aparup Das, Director.
15. Centre of Biomedical Research, Sanjay Gandhi Post Graduate Institute of Medical Sciences Campus, Lucknow, Uttar Pradesh 226014, India, Prof. Ganesh Pandey, Director.
16. CSIR-NISCAIR, Pusa Campus, New Delhi 110 012
17. CSIR-Central Electro Chemical Research Institute, Karaikudi - 630003. TamilNadu, India, Dr. Vijayamohanan K Pillai, Director.
18. Central Salt & Marine Chemicals Research Institute, Bhavnagar-364002, Gujarat, India, Dr. Amitava Das, Director.
19. CSIR-Central Drug Research Institute (CSIR-CDRI), Lucknow, Uttar Pradesh 226031, India, Prof. Tapas K. Kundu, Director.
20. National Chemical Laboratory, Dr. Homi Bhabha Road, Pune 411008, India, Prof. A. K. Nangia, Director.
21. Indian Institute of Technology Bhilai, GEC Campus, Sejbahar, Raipur - 492015 Chhattisgarh, India, Prof. Rajat Moona, Director.
22. Indian Agricultural Research Institute, Pusa, New Delhi-110012, India, Dr. A. K. Singh, Director.
23. Veer Bahadur Singh Purvanchal University, Jaunpur- 222 002, India, Prof. Dr. Raja Ram Yadav, Vice-Chancellor.
24. Delhi Pharmaceutical Sciences & Research University, DIPSAR Campus, Sector-III, Delhi, India, Prof. Ramesh K. Goyal, Vice-Chancellor.
25. Shiv Nadar University District Gautam Buddha Nagar, UP 201314, India, Prof. Rupamanjari Ghosh, Vice-Chancellor.
26. Raffles University, Japanes Zone, NH-8, Neemrana-301705, District-Alwar, Rajasthan, India, Prof. C.A. Gurudath, Vice-Chancellor.

27. Amity University, Noida, Uttar Pradesh, India, Balvinder Shukla, Vice-Chancellor.
28. Dr. Reddy's Laboratories, Hyderabad, India, Dr. Rakeshwar Bandichhor, Associate Director.
29. IISER Mohali, India Dr. Debi P. Sarkar, Director. (Awaited)
30. IISER Tirupati, India, Prof. K. N. Ganesh, Director. (Awaited)
31. AIIMS, New Delhi, India,
32. Indian Institute of Technology, New Delhi, India,

**One Day Satellite on**  
**“Science and Technology for the future of Mankind”**

Venue: Vigyan Bhavan, Maulana Azad Road, New Delhi, Delhi 110001

Program Schedule

8<sup>th</sup> December 2018 (Saturday)

December 8, 2018 (Saturday)		
09:00 – 18.30	Registration	
09:30 – 10:30	<i>Science and Technology for the Future of Mankind</i>	
10:30 – 11:00	Tea	
11:00 – 13.00	Future Leaders Network Meeting of Young Scientists	Meeting of President’s of Science Academics & Fellows
13:00 – 14.30	Lunch meeting with Minister of Science & Technology, Environment and Secretaries of DST, DBT, SERC, CSIR, DG-ICMR, Ministry of Health etc.	
14:30 – 16.30	Meeting of the University Vice-Chancellors and Directors of IIT, IISC, IISER, and NIPER.	Dialogue between future leaders and Eminent Scientists, including Nobel Laureates
16:30 – 17.00	Tea	
17:30 – 19:30	Meeting of Indian Science Congress Presidents, FICCI and Industry leaders	Meeting of Research Institute Directors
19:30 – 22:00	Networking	



# 6<sup>th</sup> World Congress on Nanomedical Sciences (ISNSCON-2018)

9 - 12 December 2018

Venue: Vigyan Bhavan, Maulana Azad Road, New Delhi, Delhi 110001

## Tentative Scientific Program

December 9, 2018 (Sunday)		
08:30-09:15 Registration		
09:15-10:15 Inauguration (Main Hall) by the Hon'ble President of India Mr. Ram Nath Kovind		
Technical Session I:		Special Lecture
Chairperson: Prof. Ramesh Chandra, DU		
Special Lecture (SPL 1) (Main Hall) 10:15 – 11:15	Title: TBA Speaker: Prof. C.N.R. Rao, FRS, Linus Pauling Distinguished Professor, JNCASR, Bangalore, India	
11:15 – 11:45: Tea Break		
Technical Session II:		Special Lecture
Chairperson: Prof. Seyed E Hasnain, Jamia Hamdard		
Special Lecture (SPL 2) (Main Hall) 11:45 – 12:45	Title: Elucidation of gene regulation Speaker: Prof. Roger D Kornberg, Stanford University Medical School, USA	
12:45 – 14:00 : Lunch Break		
Technical Session III:		Plenary Lectures
Chairperson: Prof. Seyed E Hasnain, Jamia Hamdard		
Plenary Lecture (PL 1) (Main Hall) 14.00 – 14:45	Title: TBA Speaker: Prof. Ajay K Sood, Department of Physics, IISc, Bangalore, India	
Plenary Lecture (PL 2) (Main Hall) 14:45 – 15:30	Title: Nanomechanical properties, cytoskeletal organization and sustenance of normal and abnormal cells Speaker: Prof. Ratneshwar Lal, University of California at San Diego, USA	
15:30 – 16:00: Tea Break		
Technical Session IV:		Parallel Sessions (Invited Lectures 1-9): 16:00-17:30
Hall A: IL-01 to IL 03 Theme: Targeted drug delivery Chairperson: Dr. Kamalinder Singh, UK	Hall B: IL-04 to IL 06 Theme: Ultrasensitive biosensing and in vitro diagnostics Chairperson: TBA	Hall C: IL-07 to IL 09 Theme: Multimodal in vivo bioimaging and Nanotheranostics Chairperson: Prof. Prahlad Ghosh, DU
16:00 – 16:25 (IL-01) Speaker: Dr. Sanyog Jain, NIPER, Mohali	16:00 – 16:25 (IL-04) Speaker: Dr. Pratima R. Solanki, JNU, New Delhi	16:00 – 16:25 (IL-07) Speaker: Dr. Tapas Sen, UCLan, Preston, UK
16:25 – 16:50 (IL-02) Speaker: Dr. Siddik Sarkar, CSIR-IICB, Kolkata	16:25 – 16:50 (IL-05) Speaker: Dr. Abhisheka Bansal, JNU, Delhi	16:25 – 16:50 (IL-08) Speaker: Prof Sandeep Verma, IIT Kanpur
16:50 – 17:15 (IL-03) Speaker: TBD	16:50 – 17:15 (IL-06) Speaker: TBD	16:50 – 17:15 (IL-09) Speaker: Dr. Mrinal Kanti Ghosh, CSIR-IICB, Kolkata
17:15-17:30 Panel Discussions	17:15-17:30 Panel Discussions	17:15-17:30 Panel Discussions
17:30 – 19:00		Tea and Poster Presentation (PP 001-100)
19:30-21:30: Banquet Dinner		

<b>December 10, 2018 (Monday)</b>		
<b>Technical Session V:</b>		<b>Special and Plenary Lecture</b>
Chairperson: Dr. Hans Bäumlér, Germany		
<b>Special Lecture (SPL 3) (Main Hall) 09:30 – 10:30</b>	<b>Title: Artificial Cell and Organs Speaker: Prof. Thomas M. S. Chang, McGill University, Canada</b>	
<b>Special Lecture (SPL 4) (Main Hall) 10:30 – 11:30</b>	<b>Title: TBA Speaker: Prof. Goverdhan Mehta (FRS), University of Hyderabad, India</b>	
<b>11:30 – 12:00: Tea Break</b>		
<b>Technical Session VI:</b>		<b>Parallel Sessions (Short Invited Lectures 01-09): 12:00-13:00</b>
<b>Hall A: SIL-01 to SIL-03 Theme: Stimuli-responsive drug delivery Chairperson: TBA</b>	<b>Hall B: SIL-04 to SIL-06 Theme: Tissue engineering and regenerative medicine Chairperson: TBA</b>	<b>Hall C: SIL-07 to SIL-09 Theme: Nanotoxicology Chairperson: TBA</b>
<b>12:00 – 12:15 (SIL-01) Speaker: Dr. Shibdas Banerjee, IISER-Tirupati</b>	<b>12:00 – 12:15 (SIL-04) Speaker: 14. Dr. Malini Sen, IICB, Kolkata</b>	<b>12:00 – 12:15 (SIL-07) Speaker: Prof. Naveen Arora, IGIB, Delhi</b>
<b>12:15 – 12:30 (SIL-02) Speaker: TBA</b>	<b>12:15 – 12:30 (SIL-05) Speaker: TBA</b>	<b>12:15 – 12:30 (SIL-08) Speaker: TBA</b>
<b>12:30 – 12:45 (SIL-03) Speaker: TBA</b>	<b>12:30 – 12:45 (SIL-06) Speaker: TBA</b>	<b>12:30 – 12:45 (SIL-09) Speaker: TBA</b>
<b>12:45 – 13:00: Panel Discussions</b>	<b>12:45 – 13:00: Panel Discussions</b>	<b>12:45 – 13:00: Panel Discussions</b>
<b>13:00 – 14:00: Lunch Break</b>		
<b>Technical Session VII:</b>		<b>Plenary Lectures</b>
Chairperson: Prof. Bhanu Jena, Wayne State University, USA		
<b>Plenary Lecture (PL 3) (Main Hall) 14:00 – 14:45</b>	<b>Title: Investigating the interaction of nanoparticles with the normal and cancerous cells Speaker: Dr. Gurer G Budak, Nanobiomed R&amp;D Center, Ankara, Turkey</b>	
<b>Plenary Lecture (PL 4) (Main Hall) 14:45 – 15:30</b>	<b>Title: TBA Speaker: Prof. Robert G. Best, University of South Carolina School of Medicine, USA</b>	
<b>15:30 – 16:00 Tea Break:</b>		
<b>Technical Session VIII:</b>		<b>Parallel Sessions (Invited Lectures 10-18): 16:00-17:30</b>
<b>Hall A: IL-10 to IL 12 Theme: Nanomaterials in agriculture and crop protection Chairperson: Prof. Satya Prakash, Canada</b>	<b>Hall B: IL-13 to IL 15 Theme: Computational nanobiotechnology and nanobiorobotics Chairperson: Dr. Gurer Budak, Turkey</b>	<b>Hall C: IL-16 to IL 18 Theme: Clinical trials using nanomaterials Chairperson: Prof. Robert Best, USA</b>
<b>16:00 – 16:25 (IL-10) Speaker: Dr. Birendra Kumar, CSIR-CIMAP, Lucknow</b>	<b>16:00 – 16:25 (IL-13) Speaker: Dr. Rajesh K. Murarka, IISER, Bhopal</b>	<b>16:00 – 16:25 (IL-16) Speaker: TBA</b>
<b>16:25 – 16:50 (IL-11) Speaker: TBA</b>	<b>16:25 – 16:50 (IL-14) Speaker: TBA</b>	<b>16:25 – 16:50 (IL-17) Speaker: TBA</b>
<b>16:50 – 17:15 (IL-12) Speaker: TBA</b>	<b>16:50 – 17:15 (IL-15) Speaker: TBA</b>	<b>16:50 – 17:15 (IL-18) Speaker: TBA</b>
<b>17:15 – 17:30 : Panel Discussions</b>	<b>17:15 – 17:30: Panel Discussions</b>	<b>17:15 – 17:30: Panel Discussions</b>
<b>17:30 – 19:00</b>	<b>Tea Break and Poster Presentation (PP 101-200)</b>	

December 11, 2018 (Tuesday)		
Technical Session IX:		Plenary Lectures
Chairperson: TBA		
Plenary Lecture (PL 5) (Main Hall) 09:30 – 10:15	Title: Use of Human serum albumin nanoparticles for delivery of anti-cancer drugs, their synthesis optimization and in vitro evaluation Speaker: Prof. Satya Prakash, McGill University, Canada	
Plenary Lecture (PL 6) (Main Hall) 10:15 – 11:00	Title: TBA Speaker: Prof. Y. K. Gupta, Department of Pharmacology, AIIMS, New Delhi, India	
11:00 – 11:30: Tea Break		
Technical Session X :		Parallel Sessions (Invited Lectures 19-27): 11:30-13:00
Hall A: IL-19 to IL-21 Theme: Aspects of macromolecular chemistry Chairperson: TBA	Hall B: IL-22 to IL-24 Theme: Structural biology Chairperson: TBA	Hall C: IL-25 to IL-27 Theme: Nucleic acids and Proteins: structure, function & interactions Chairperson: TBA
11:30 – 11:55 (IL-19) Speaker: TBA	11:30 – 11:55 (IL-22) Speaker: TBA	11:30 – 11:55 (IL-25) Speaker: 10. Dr. D. Kar Chowdhuri, CSIR-IITR, Lucknow
11:55 – 12:20 (IL-20) Speaker: TBA	11:55 – 12:20 (IL-23) Speaker: TBA	11:55 – 12:20 (IL-26) Speaker: TBA
12:20 – 12:45 (IL-21) Speaker: TBA	12:20 – 12:45 (IL-24) Speaker: TBA	12:20 – 12:45 (IL-27) Speaker: TBA
12:45 – 13:00: Panel Discussions	12:45 – 13:00: Panel Discussions	12:45 – 13:00: Panel Discussions
13:00 – 14:00: Lunch Break		
Technical Session XI:		Plenary Lecture
Plenary Lecture (PL 7) (Main Hall) 14:00 – 14:45	Title: Porosomes in biology and medicine Speaker: Prof. Bhanu Jena, Wayne State University, USA	
Plenary Lecture (PL 8) (Main Hall) 14:45 – 15:30	Title: TBA Speaker: Prof. Sarman Singh, Director, AIIMS, Bhopal, India	
15:30 – 16:00 Tea Break:		
Technical Session XII:		Parallel Sessions (Short Invited Lectures 10-18): 16:00-17:00
Hall A: SIL-10 to 12 Theme: IPR in nanomedicine Chairperson: TBA	Hall A: SIL-13 to 15 Theme: Genomics, proteomics, lipidomics, metabolomics, and personalized medicine Chairperson: TBA	Hall A: SIL-16 to 18 Theme: Nanobiotechnology for antimicrobial applications Chairperson: TBA
16:00 – 16:15 (SIL-10) Speaker: Dr. Isha Sharma, Trayambak Overseas Pvt Ltd, NOIDA	16:00 – 16:15 (SIL-13) Speaker: Prof. DwaiPAYAN Bharadwaj, JNU, Delhi	16:00 – 16:15 (SIL-16) Speaker: Prof Prahlad Ghosh, University of Delhi
16:15 – 16:30 (SIL-11) Speaker: TBA	16:15 – 16:30 (SIL-14) Speaker: Prof Suman Kundu, University of Delhi	16:15 – 16:30 (SIL-17) Speaker: TBA
16:30 – 16:45 (SIL-12) Speaker: TBA	16:30 – 16:45 (SIL-15) Speaker: Dr. Rajiv Bhat, JNU, Delhi	16:30 – 16:45 (SIL-18) Speaker: TBA
16:45 – 17:00: Panel Discussions	16:45 – 17:00: Panel Discussions	16:45 – 17:00: Panel Discussions

## 17:30 – 19:00 Cultural Program

December 12, 2018 (Wednesday)

**Technical Session XIII:**

**Plenary Lecture**

Chairperson: TBD

**Plenary Lecture (PL 9)**  
(Main Hall)  
09:30 – 10:15

**Title: TBA**  
**Speaker: Prof. Krishna N. Ganesh, Director, IISER, Thirupati, India**

**Plenary Lecture (PL 10)**  
(Main Hall)  
10:15 – 11:00

**Title: TBA**  
**Speaker: Prof. Debi P. Sarkar, Director, IISER, Mohali, India**

11:00 – 11:30: Tea Break

**Technical Session XIV:**

**Plenary Lecture**

**Plenary Lecture (PL 11)**  
(Main Hall)  
11:30 – 12:15

**Title: Targeted and stimuli-responsive drug delivery/Artificial cells, tissues and other biological components**  
**Speaker: Dr. Hans Bäumlér, Charité – Universitätsmedizin Berlin, Berlin, Germany**

**Plenary Lecture (PL11)**  
(Main Hall)  
12:15 – 13:00

**Title: TBA**  
**Speaker: Prof. Chengmin Yang, Chinese Academy of Medical Sciences, Beijing, PR China**

13:00 – 14:00 : Lunch Break

**Technical Session XV :**

**Parallel Sessions (Short Invited Lectures 19-27): 14:00-15:00**

**Hall A: SIL-19 to SIL-21**  
**Theme: Nanobiomaterials**  
**Chairperson: TBA**

**Hall B: SIL-22 to SIL-24**  
**Theme: Herbal Nanomedicine**  
**Chairperson: TBA**

**Hall C: SIL-25 to SIL-27**  
**Theme: Nanoformulations of drugs**  
**Chairperson: TBA**

**14:00 – 14:15 (SIL-19)**  
**Speaker: Dr. Karunakar Kar, JNU, Delhi**

**14:00 – 14:15 (SIL-22)**  
**Speaker: Prof. Kamalinder Singh, UCLan, Preston, UK**

**14:00 – 14:15 (SIL-25)**  
**Speaker: Dr. Yashveer Singh, IIT-Ropar**

**14:15 – 14:30 (SIL-20)**  
**Speaker: Professor Prem C Pandey, IIT-BHU, Varanasi**

**14:15 – 14:30 (SIL-23)**  
**Speaker: TBA**

**14:15 – 14:30 (SIL-26)**  
**Speaker: 30. Dr Prem Felix Siril, IIT-Mandi**

**14:30 – 14:45 (SIL-21)**  
**Speaker: TBA**

**14:30 – 14:45 (SIL-24)**  
**Speaker: TBA**

**14:30 – 14:45 (SIL-27)**  
**Speaker: TBA**

**14:45 – 15:00: Panel Discussions**

**14:45 – 15:00 : Panel Discussions**

**14:45 – 15:00 : Panel Discussions**

15:00 – 15:30: Tea Break

**15:30 – 17:30: Valedictory Program and Closing Ceremony**

### List of Keynote Speakers (Confirmed)

1. Prof. CNR Rao, CSIR Centre for Excellence in Chemistry, New Chemistry Unit and International Centre for Materials Science, Jawaharlal Nehru Centre for Advanced Scientific Research, email id: [cnrrao@jncasr.ac.in](mailto:cnrrao@jncasr.ac.in)  
Topic/Title: Solid State and Materials Chemistry, Structural Chemistry
2. Prof. Roger D Kornberg, Department of Structural Biology, Stanford University Medical School, Stanford CA, USA. E-mail: [kornberg@stanford.edu](mailto:kornberg@stanford.edu) (Awaited)  
Topic/Title: TBA
3. Prof. Thomas M S Chang, Director, Artificial Cells & Organs Research Centre, Departments of Physiology, Medicine & Biomedical Engineering, Faculty of Medicine, McGill University, Montreal, Quebec, Canada. E-mail: [thomas.chang@mcgill.ca](mailto:thomas.chang@mcgill.ca)  
Topic/Title: Artificial Cell and Organs
4. Prof. Goverdhan Mehta, National Research Professor, School of Chemistry, University of Hyderabad, [gmsc@uohyd.ernet.in](mailto:gmsc@uohyd.ernet.in) or [gmehta43@gmail.com](mailto:gmehta43@gmail.com)  
Topic/Title: TBA
5. Prof. Ajay Sood, Honorary Professor, Department of Physics, IISc, Bangalore, email id: [asood@physics.iisc.ernet.in](mailto:asood@physics.iisc.ernet.in), [asood1951@gmail.com](mailto:asood1951@gmail.com)  
Topic/Title: Tunable terahertz photoconductivity of hydrogen functionalized graphene using optical pump- terahertz probe spectroscopy
6. Prof. Ratneshwar Lal, Professor of Bioengineering, Mechanical Engineering, Materials Science and Engineering, University of California at San Diego, La Jolla, California 92093. Tel: 858-822-0384; Email: [rlal@ucsd.edu](mailto:rlal@ucsd.edu)  
Topic/Title: nanomechanical properties, cytoskeletal organization and sustenance of normal and abnormal cells
7. Prof. Satya Prakash, Professor, Biomedical Engineering, Faculty of Medicine, McGill University, Montreal, Quebec, Canada. Tel. :1-514-398-3676, Email: [satya.prakash@mcgill.ca](mailto:satya.prakash@mcgill.ca)  
Topic/Title: Use of Human serum albumin nanoparticles for delivery of anti-cancer drugs, their synthesis optimization and in vitro evaluation
8. Dr. Gurer G Budak, Nanobiomed R&D Center, Cankaya, Ankara, Turkey. E-mail: [drgurerbudak@yahoo.com](mailto:drgurerbudak@yahoo.com)  
Topic/Title: Investigating the interaction of nanoparticles with the normal and cancerous cells
9. Prof. Robert G. Best, Associate Dean for Administrative & Faculty Affairs, University of South Carolina School of Medicine, Greenville, South Carolina 29605, USA. E-mail: [best@sc.edu](mailto:best@sc.edu) ;  
Phone: 803-315-5625

10. Prof. Y.K. Gupta, Department of Pharmacology, AIIMS, New Delhi, India  
Topic/Title: TBA
11. Prof. Bhanu Jena, Wayne State University, USA  
Topic/title:
12. Prof. Sarman Singh, Director, AIIMS, Bhopal, India  
Topic/Title: TBA
13. Prof. Krishna N. Ganesh, Director, IISER, Thirupati, India  
Topic: TBA
14. Dr. Hans Bäumler, Assoc. Professor, Head of the Research Department, Institute of Transfusion Medicine, Charité – Universitätsmedizin Berlin, Berlin, Germany. E-mail: hans.baeumler@charite.de  
Topic/Title: Targeted and stimuli-responsive drug delivery/Artificial cells, tissues and other biological components
15. Dr. Debi Sarkar, Professor, Biological Sciences, IISER-Mohali, [dpsarkar@iisermohali.ac.in](mailto:dpsarkar@iisermohali.ac.in)  
Topic/Title: Advances in research in Sendai Virus
16. Dr. Chengmin Yang, Professor, Blood Transfusion Unit, Chinese Academy of Medical Science, Honorary President, Chinese Society for Blood Substitutes, Peking Union Medical College, China. E-mail: chengminyang2602@126.com
17. Prof. Ganesh Pandey, Director, Centre of Biomedical Research, Sanjay Gandhi Post Graduate Institute of Medical Sciences Campus; email id:  
Topic/Title: Radical-ion Chemistry, Total Synthesis of Natural Products and Development of Newer Synthetic Methodologies
18. Prof. G.P. Talwar, Founder Director, National Institute of Immunology, Director Research, Talwar Research Foundation; email id: gpt@immunologyfoundation.com or gptalwar@gmail.com  
Topic/Title: Women's Health Care/Immunotherapeutic Vaccine for Leprosy/Birth Control Vaccine Development of Polyherbal Microbicides for Reproductive Health of Women.
19. Balram Bhargava, Professor, Department of Cardiology, AIIMS, New Delhi; Ph: 98111 32407; balrambhargava@yahoo.com  
Topic/Title: Cardiology/Medical health Innovation
20. Ashutosh Sharma, Institute Chair Professor & C . V. Seshadri Chair Professor, Secretary, Dept. of Science & Technology, New Delhi; ashutos@iitk.ac.in,  
Topic/Title: Tire Waste Derived Turbostratic Carbon as Electrode for Vanadium Redox Flow Battery

### **List of Invited Lectures (Confirmed)**

1. Dr. Tapas Sen, Department of Chemistry, University of Central Lancashire, Preston, UK. E-mail: TSen@uclan.ac.uk  
Topic/Title: Synthesis and Characterization of Magnetic Nanoparticles in Medicine
2. Dr. Kamalinder Singh, School of Pharmacy and Biomedical Sciences, University of Central Lancashire, Preston, UK. E-mail: ksingh1@uclan.ac.uk  
Topic/Title: Topical Delivery of Tetrahydrocurcumin Lipid Nanoparticles Effectively Inhibits Skin Inflammation: In Vitro in Vivo Study
3. Prof Sandeep Verma, IIT Kanpur, UP, India, Email: sverma@iitk.ac.in  
Topic/Title: Unraveling diseases involving protein aggregation using bio-inspired soft matter
4. Dr. Sanyog Jain, National Institute of Pharmaceutical Education & Research (NIPER), Sector-67, SAS Nagar (Mohali) Punjab, India -160062. E-mails: sanyogjain@niper.ac.in ; sanyogjain@rediffmail.com  
Topic/Title: Nanotechnology and Drug Delivery Systems
5. Dr. Rajesh K. Murarka, Indian Institute of Science Education and Research (IISER) Bhopal, Bhopal Bypass Road, Bhauri, Bhopal 462 066, MP India. E-mail: rkm@iiserb.ac.in  
Topic/Title: Computational Biophysics and Soft Matter
6. Dr. Swarnlata Saraf, Professor, Dean, Faculty of Technology, University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur, 492010, Chhattisgarh, INDIA  
Topic/Title: Pharmaceutical technology, herbal formulation development, cosmetic technology for herbal drugs.
7. Prof. Dwaipayan Bharadwaj, Systems Genomics Laboratory, School of Biotechnology, Jawaharlal Nehru University, New Delhi 110 067. E-mail: db@mail.jnu.ac.in&db@jnu.ac.in  
Topic/Title: Functional genomics and epigenomics of complex diseases with special emphasis on type 2 diabetes and childhood obesity
8. Prof Suman Kundu, Department of Biochemistry, University of Delhi (South Campus). Email: suman.kundu@south.du.ac.in  
Topic/Title: The "Recognition Helix" of the Type II Acyl Carrier Protein (ACP) Utilizes a "Ubiquitin Interacting Motif (UIM)"-like Surface To Bind Its Partners
9. Dr. Mrinal Kanti Ghosh, Principal Scientist, Cancer Biology and Inflammatory Disorder Division, CSIR-IICB (TRUE), Kolkata. Email: mrinalghosh@iicb.res.in  
Topic/Title: Nano-medical Sciences in Glioma therapy across the BBB
10. Dr. D. Kar Chowdhuri, Chief Scientist, CSIR-Indian Institute of Toxicology Research, Lucknow. Email: [dkarchowdhuri@rediffmail.com](mailto:dkarchowdhuri@rediffmail.com)  
Topic/Title: Enhanced efficiency of P-element mediated transgenesis in Drosophila: Microinjection of DNA complexed with nanomaterial

11. Dr Ashis Biswas, Assistant Professor, IIT-Bhubaneswar, Bhubaneswar-751013, Odisha. Email: abiswas@iitbbs.ac.in  
Title: Effect of two well-known nanoparticles on the structure and chaperone function of Mycobacterium leprae HSP18: An alternative approach towards the treatment of leprosy
12. Dr. Kamdeo Mandal, Professor, IIT-BHU, Varanasi-221005, UP. Email: kdmandal.apc@itbhu.ac.in  
Topic/Title: Electro -Ceramics, Nano-materials, Materials Chemistry, Solid State Chemistry
13. Dr. Abhisheka Bansal, Assistant Professor, School of Life Sciences, Jawaharlal Nehru University, New Delhi 110067. Emails: abhisheka@mail.jnu.ac.in, bansal.abhisheka@gmail.com  
Topic/Title: Application of Gold Nanoparticles in sensing of toxic metals, biological agents organophosphorus agents.
14. Dr. Malini Sen, Principal Scientist, CSIR- Indian Institute of Chemical Biology, Poddar Nagar, Jadavpur, Kolkata, West Bengal 700032. Email: msen@iicb.res.in  
Topic/Title: Deciphering the role of mesenchymal stem cell factors including Wnts in various aspects of immune homeostasis, immune response to infection and inflammation.
15. Prof Prahlad Ghosh, Professor, Department of Biochemistry, University of Delhi (South Campus). Email: pcghose@gmail.com  
Topic/Title: Improved Efficacy of Doxycycline in Liposomes Against Plasmodium falciparum in Culture and P. berghei infection in mice.
16. Dr. Rajiv Bhat, Professor, School of Biotechnology, JawaharLal Nehru University, New Delhi – 110 067. Emails: rajivbhat@mail.jnu.ac.in, rajivbhat@hotmail.com  
Topic/Title: Effect of polyols on the structure and aggregation of recombinant human  $\gamma$ -Synuclein, an intrinsically disordered protein
17. Dr Apurba K Das, Associate Professor, IIT-Indore, Indore-453552, MP. Email: apurba.das@iiti.ac.in  
Topic/Title: Self-assembly study of bioinspired organic molecules and its application in catalysis and nanobiotechnology
18. Dr. Siddik Sarkar, Scientist, CSIR - Indian Institute of Chemical Biology, Jadavpur, Kolkata, West Bengal 700032. Email: siddik.sarkar@iicb.res.in  
Topic/Title: Molecular targeted therapy for cancer and therapy resistant cancer stem cells
19. Dr. Lipi Thukral, Sr. Scientist, CSIR- Institute of Genomics and Integrative Biology, SukhdevVihar, Mathura Road, New Delhi - 110 025. Email: lipi.thukral@igib.in  
Topic/Title: Molecular motions of proteins and lipids and how their interactions lead to dynamic supra-molecular assemblies
20. Dr C N Tharamani, Assistant Professor, Department of Chemistry, Indian Institute of Technology- Ropar, Rupnagar 140001. Punjab. Email: tharamani@iitrpr.ac.in



Topic/Title: New materials for energy conversion and storage devices (fuel cells & batteries), automobile industries

21. Dr. Jaydeep Bhattacharya, Assistant Professor, School of Biotechnology, JawaharLal Nehru University, New Delhi – 110 067. Email: jaydeep@jnu.ac.in , jaydpb@gmail.com

Topic/Title: Role of nanoparticles in hemoglobinopathy

22. Dr. Tridib Kumar Sarma, Assistant Professor, IIT-Indore, Indore, M.P. Email: tridib@iiti.ac.in

Topic/Title: Nanostructured Materials, Polymer composites, Biomimetic materials chemistry, self and directed assembly of organic/inorganic materials

23. Dr. Jyoti Prasad Borah, Assistant Professor in Physics and Head of the Department, Science and Humanities, National Institute of Technology Nagaland. Email Id: jpborah@rediffmail.com

Topic/Title: MWCNT decorated MnFe<sub>2</sub>O<sub>4</sub> nanoparticles as an efficient photo-catalyst for phenol degradation

24. Dr. Birendra Kumar, Senior Principal Scientist & Professor, AcSIR Academy Seed Quality Lab on MAPs Genetics & Plant Breeding Division, Central Institute of Medicinal and Aromatic Plants (CSIR), P.O. CIMAP, Lucknow-226016, U.P. Emails: birendrak67@rediffmail.com ; birendrak67@gmail.com ; b.kumar@cimap.res.in; biren\_k67@yahoo.com

Topic/Title: Genetic improvement of MAPs through classical plant breeding and Standardization and establishment of seed quality parameters in medicinal and aromatic plants

25. Dr. P. Jaisankar, Chief Scientist & Head, Professor of Chemical Sciences - AcSIR, New Delhi. Organic & Medicinal Chemistry Department, CSIR-Indian Institute of Chemical Biology, Raja S. C. Mullick Road, Jadavpur, Kolkata-700032. Mobile: 09051758339.

Topic/Title: MWCNT decorated MnFe<sub>2</sub>O<sub>4</sub> nanoparticles as an efficient photo-catalyst for phenol degradation

26. Dr. Yashveer Singh, Assistant Professor, Department of Chemistry, Associate Faculty and Head, Center for Biomedical Engineering (CBME), Indian Institute of Technology Ropar, Nangal Road, Rupnagar-140001, Punjab. Email: yash@iitrpr.ac.in , yashveer\_singh\_a@yahoo.com

Topic/Title: Polymeric and peptide hydrogels/gels for cancer drug delivery and antibacterial applications.

27. Professor Prem C Pandey, Department of Chemistry, IIT(BHU), Varanasi, UP. Email: pcpandey.apc@iitbhu.ac.in

Topic/Title: synthesis and application of functional nano-materials for biomedical application

28. Isha Sharma, Director, Trayambak Overseas Pvt Ltd., Address: B-43, Sector 2, Noida, Uttar Pradesh, 201301, Contact: E-mail us at [ishasharmasharma1987@gmail.com](mailto:ishasharmasharma1987@gmail.com) or [director@trayambak.com](mailto:director@trayambak.com), Phone: 9582199496

Topic/Title: Intellectual Property Rights

29. Dr. Karunakar Kar, Assistant Professor, School of Life Sciences, Jawaharlal Nehru University, New Delhi-1100767, INDIA Phone : 91-1126704517(office); 91-9672644140(mobile), email: [karunakarkar@gmail.com](mailto:karunakarkar@gmail.com)  
Topic/Title: Rationally Engineered Biomaterials and Nanoparticles
30. Dr Prem Felix Siril, Dean (Sponsored Research, Industrial Consultancy & International Relations), Associate Professor (Chemistry), School of Basic Sciences, Indian Institute of Technology Mandi, Mandi-175005, Himachal Pradesh, India, Phone: +91-(0)-1905-300040 (O)  
Topic/Title: Nanoformulation of pharmaceutical drugs: Opportunities and challenges
31. Amit Jaiswal, Ph.D, Assistant Professor, School of Basic Sciences, Indian Institute of Technology Mandi, Mandi-175001, Himachal Pradesh, India; email id: [j.amit@iitmandi.ac.in](mailto:j.amit@iitmandi.ac.in)  
Topic/Title: Nanomaterial synthesis and characterization (Metallic nanoparticles, Quantum dots, Polymeric nanoparticles and composites)
32. Dr. Ranadeep Gogoi, Assistant Professor & HoD, Department of Biotechnology, National Institute of Pharmaceutical Education and Research, (NIPER)-Guwahati, Guwahati-781125, Assam,  
email id: [gogia\\_ranadeep@niperguwahati.ac.in](mailto:gogia_ranadeep@niperguwahati.ac.in)  
Topic/Title: Combination strategy of PARP inhibitor with antioxidant prevent bioenergetic deficits and inflammatory changes in CCI-induced neuropathy
33. Sameer V. Dalvi, Associate Professor, Chemical Engineering, IIT Gandhinagar, Palaj, Gujarat – 382355, Phone: 07923952025/2408 (O); email id: [sameervd@iitgn.ac.in](mailto:sameervd@iitgn.ac.in)  
Topic/Title: Engineering Stable Microbubbles Formulations for Biomedical Applications
34. Prof. Neera Bhalla Sarin, F.N.A.Sc., Former Dean, School of Life Sciences, Jawaharlal Nehru University, Laboratory of Genetic Manipulation for Stress Alleviation and Value Addition in Plants, Phone: +91-11-26704523, +91-11-26704530, email id: [neerasarin@rediffmail.com](mailto:neerasarin@rediffmail.com)  
Topic/Title: Genetic manipulation of plants for developmental studies, stress alleviation and value addition.
35. Dr. Tokeer Ahmad, Associate Professor, Department of Chemistry, Jamia Millia Islamia, email id: [tahmad3@jmi.ac.in](mailto:tahmad3@jmi.ac.in)  
Topic/Title: Synthesis, Characterization, Multifunctional Electrochemical (OGR/ORR/SCs) and Photodegradable Activities of ZnWO<sub>4</sub> Nanobricks
36. Dr. Pratima R. Solanki, Assistant Professor, Special Centre for Nano Science, Jawaharlal Nehru University, New Delhi – 110067, Ph: 91-11-26704740 (O); 9871584410 (M); email id: [partima@mail.jnu.ac.in](mailto:partima@mail.jnu.ac.in),  
Topic/Title: Nanobiosensor
37. Shibdas Banerjee, Assistant Professor, Ramanujan Fellow, Chemistry, IISER Tirupati; email id: [shibdas@iisertirupati.aci.in](mailto:shibdas@iisertirupati.aci.in); phone: +91-8772500411  
Topic/title: Diagnosis of Prostate Cancer by Desorption Electrospray Ionization Mass Spectrometric Imaging of Small Metabolites and Lipids
38. Dr. Swati Gupta, Associate Professor (Pharmaceutics), Amity Institute of Pharmacy, Amity University; email id: [swatig25@gmail.com](mailto:swatig25@gmail.com)

- Topic/Title: Principles of Software Engineering, Data warehousing and Data Mining
39. Naveen Arora, Institute of Genomics and Integrative Biology, Mall Road, Delhi; Email id: [naveen@igib.res.in](mailto:naveen@igib.res.in); Ph: 09650626627  
Topic/Title: Diesel Exhaust Particles in Respiratory Health
40. Dr. Ram Sagar Misra, Associate Professor, Department of Chemistry, Banaras Hindu University, Varanasi; Email: [ram.sagar@bhu.ac.in](mailto:ram.sagar@bhu.ac.in);  
Topic/Title: Reparation of DNA by using synthetic analogues of poly(ADP-ribose)
41. Dr. Garima Khare, Assistant Professor, Department of Biochemistry, University of Delhi (South Campus); Ph: 9810578184; email id: [garima1822@yahoo.co.in](mailto:garima1822@yahoo.co.in)  
Topic/Title: Understanding the VirS mediated acid induced responses of Mycobacterium tuberculosis in maintaining the pH homeostasis in vitro and in host
42. Prof. (Mrs.) Fahmida Khan, Professor, Department of Chemistry, National Institute of Technology Raipur, Raipur, Chhattisgarh, INDIA; Email: [fkhan.chy@nitrr.ac.in](mailto:fkhan.chy@nitrr.ac.in)  
Topic/Title: anotransition Materials (NTMs): Photocatalysis, Validated High Effective Sorbent Models Study for Organic Dye Degradation and Precise Mathematical Data's at Standardized Level
43. Alo Nag, Professor, Department of Biochemistry, University of Delhi South Campus; email id:alonag22@gmail.com  
Topic/Title: To combat cancer through discovery of novel molecular target
44. Dr. Pradip Kumar Tarafdar, Assistant Professor, Department of Chemical Sciences, IISER Kolkata; email id: tarafdar@iiserkol.ac.in  
Topic/Title: Synthesis of Lipids, Organic Methodology and Drug-delivery

#### **List of Speakers (Yet to be confirmed)**

45. Prof. V. Ramgopal Rao, Director, Indian Institute of Technology, Delhi, Hauz Khas, New Delhi – 110016, India
46. Dr. Abdul Hamid Zakri, Science Advisor to the Prime Minister of Malaysia, Office of the Science Advisor, Malaysian Government
47. Mr. Hiroyuki Abe, Special Counsellor to the President, Principal Fellow, Japan Science and Technology Agency (JST); President, The Engineering Academy of Japan, Japan
48. Dr. Ilesanmi Adesida, Provost, Nazabayev University, Kazakhstan
49. Dr. Noha Adly, Head of Advanced Research Group, Bibliotheca Alexandra, Egypt
50. Prof. Peter Agre, Director, Johns Hopkins Malaria Research Institute (JHMRI), Johns Hopkins Bloomberg School of Public Health, Baltimore, USA
51. Dr. Mae Joanne Aguila, Associate Professor, Institute of Chemistry, University of the Philippines, Los Banos, Philippines
52. Dr. Daniel Aili, Associate Professor, Department of Physics, Chemistry and Biology, Linköping University, Sweden
53. Dr. Nudrat Aisha Akram, Department of Botany, Government College University, Faisalabad, Pakistan
54. Dr. Lauren Alexander Augustine, Director, Program on Risk, Resilience and Extreme Events, The National Academies of Sciences, USA
55. Dr. Bassam AJ Alfeeli, Program Manager, Innovation and Enterprises, Kuwait Foundation for the Advancement of Science, Associate Research Scientist

56. Nanotechnology and Advanced Materials Program Energy & Building Research Center, Kuwait Institute for Scientific Research, Kuwait
57. Prof. Abdul Razzaq Jaleel Alhajessa, Minister, Ministry of Higher Education & Scientific Research, IRAQ
58. Dr. Ahmed Farag Ali, Department of Physics, Faculty of Science, Behna University, EGYPT
59. Dr. Hamed Ali-Ibrahim, Executive Vice President, Reserach & Development, Qatar Foundation, QATAR
60. Dr. Alexey Amunts, Group Leader, Biochemistry and Biophysics, Stockholm University, Sweden
61. Dr. Yukita Amano, Director General, International Atomic Energy Agency (IAEA), Japan
62. Dr. Warwick Anderson, Secretary – General, International Human Frontier Science Program Organization (HFSP), Chief Executive Officer, National Health and Medical Research Council (NHMRC), Australian Government, Australia
63. Prof. Michael Arthur, President and Provost, University College London (UCL), London, UK
64. Dr. Yasuhiko Arakawa, Director, Institute for Nano Quantum Information Electronics, University of Tokyo, Japan
65. Dr. Hajime Asama, Professor, Department of Precision Engineering, University of Tokyo, Tokyo, Japan
66. Dr. Shervin Bagheri, Associate Professor, KTH-Royal Institute of Technology, Sweden
67. Prof. David Baltimore, President-Emeritus, Robert A Millikan Professor of Biology, Division of Biology and Biological Engineering, California Institute of Technology, USA
68. Dr. Robert Baughman, Executive Vice President & Vice C.E.O., Okinawa Institute of Science and Technology Graduate University (OIST), Japan
69. Dr. Gian Luca Bona, Director Empa, ETH Zurich and EPF Lausanne, Swiss Fedral, Laboratory for Materials Science and Technology, Switzerland
70. Prof. Hugh S Bradlow, President, The Australian Academy of Technology and Engineering (ATSE), Australia
71. Dr. Michael Sherwil Harris Browne, Minister, Ministry of Education, Science and Technology, Antigua and Barbuda
72. Dr. Kimberly S Budil, Vice President for National Laboratories, Office of the National Laboratories, University of California, Office of the President, USA
73. Dr. Omar Said Awadh, Institute of Advanced Technology Integration, The research council, Oman
74. Professor Irasema Alcántara-Ayala, Professor, Institute of Geography, National Autonomous University of Mexico (UNAM), Mexico
75. Dr. Nada Missad Al-Olaqi, Education, Science and Community Development, Qatar Foundation, Qatar
76. Dr. Peter John Bond, Principal Investigator, Multi-scale Simulation, Modelling and Design, Bioinformatics Institute, Singapore

**Total expenditure anticipated**

S. No.	Budget Head	Amount (Rs)
i.	TA/DA	94,51,500
ii.	Pre-Conference printing (announcements, abstracts etc.) + Registration Expenses	30,11,200
iii.	Stationery	37,13,080
iv.	Secretarial Assistance	5,31,000
v.	Estimated expenditure on Publication of proceedings*	45,00,000
vi.	Boarding and Lodging of delegates	56,00,000
vii.	Venue	80,80,960
viii.	Cultural Program + Catering	52,74,300
ix.	<b>Total (i to viii)</b>	<b>4,01,62,040</b>
* Number of pages of proceedings (500); Number of copies to be printed (2000)		

**Estimated Head-wise Grant requested**

S. No.	Budget Head	Amount (Rs)
i.	TA/DA	20,00,000
ii.	Pre-Conference printing (announcements, abstracts etc.)	2,00,000
iii.	Stationery	2,00,000
iv.	Secretarial Assistance	50,000
v.	Estimated expenditure on Publication of proceedings*	1,50,000
vi.	Boarding and Lodging of delegates	4,00,000
vii.	Venue + Catering	20,00,000
viii.	<b>Total (i to vii)</b>	<b>50,00,000</b>
* Number of pages of proceedings (500); Number of copies to be printed (2000)		