

## Event Organizers



NIT Srinagar & IIT Kharagpur



## Event Partners



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# International Conference on Nanotechnology for Better Living, NBL-2019

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## NBL-2019

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A Joint Initiative By



## NIT Srinagar & IIT Kharagpur

From: 07- 11<sup>th</sup> April, 2019

Venue: National Institute of Technology Srinagar

Abstract Submission Open upto: 30<sup>th</sup> December, 2018

Nano Technology for Better Living  
5th International Conference

**Chief Patron:** Prof. Rakesh Sehgal, Director NIT Srinagar / Prof. P.P Chakrabarti, Director IIT Kharagpur

**Patrons:** Prof. M.F Wani, NIT Srinagar/ Prof. Pallab Banerji, IIT Kharagpur

### Indian Institute of Technology Kharagpur: A Brief Profile

IIT Kharagpur - became the nursery where the seed of the IIT system was planted in 1951. Spurred by the success of IIT Kharagpur, four younger IITs sprouted around the country in the two following decades, and from these five came thousands of IITians, the brand ambassadors of modern India. It was the success of this one institution at Kharagpur that wrote India's technological odyssey. The present name 'Indian Institute of Technology' was adopted before the formal inauguration of the Institute on August 18, 1951, by Maulana Abul Kalam Azad. The IIT Kharagpur is one of the very few Institutions all over the world which started life in a prison house and is now of the most prestigious institution of the world. For details, please visit [www.iitkgp.ac.in](http://www.iitkgp.ac.in)

### National Institute of Technology Srinagar: A Brief Profile

The National Institute of Technology, Srinagar (NIT), one of the leading institutes in north of the country, had the unique distinction of becoming an Institute of National Importance under the NIT Act under the auspices of Ministry of Human Resources Development, Govt. of India. The prestigious technical institute has ten departments which cater six postgraduate and ten undergraduate programmes besides offering Ph.D. degree in all Engineering and Science disciplines. For details, please visit <http://www.nitsri.net>

**Preamble:** A revolution is occurring in science and technology, based on the recently developed ability to measure, manipulate and organize matter on the nanometer scale. At the nanoscale, Physics, Chemistry and Biology, Medical sciences, Materials science and Engineering converge to same principles and tools. As a result progress in nanoscale will have far reaching impact and the next revolution in science and technology will depend on science interdependence. Today's scientists and engineers are finding a wide variety of ways to deliberately make materials at the nanoscale to take advantage of their enhanced properties such as higher strength, lighter weight, increased control of light spectrum, and greater chemical reactivity than their larger-scale counterparts. Some of these areas are as **medicine, electronics, food, fuel cells, solar cells, batteries, space, better air quality, cleaner water, chemical sensors, fabric and Construction.** Tremendous progress has been made in the area related to research, design, development, testing and commercialization of some of nano-materials all over the world. However, significant challenges still remain to further develop and improve the properties of these materials for maximum utility and widespread use. This is the main driving force for holding international conference "Nanotechnology for Better Living" and bringing together academicians and researchers to share knowledge and exchange their views. We hope cooperation from all corner across globe.

### CHAIRMEN

Prof. M. S. Mir Chairman-NIT Sgr	Prof. Pallab Banerji Chairman-IIT Kgp	Prof. Kamal K Kar Advisor
Prof. W. M Shah Advisor from CU-K	Prof. F. A Zaki Advisor from SKUAST-K	Prof. N. A Shah Advisor from SSM-K

### CONFERENCE SECRETARIAT:

Dr. Seemin Rubab Secretary from NIT Sgr <a href="mailto:rubab@nitsri.net">rubab@nitsri.net</a>	Dr. Gausia Qazi Secretary from NIT Sgr <a href="mailto:gausia.qazi@nitsri.net">gausia.qazi@nitsri.net</a>	Dr. P A Ganaie Secretary from NIT Sgr <a href="mailto:prince@nitsri.net">prince@nitsri.net</a>
Dr. Vijay Department of Physics, NIT Sgr (Physical Sciences)	Dr. Faheem Department of Nano Center-KU (Bio-Sciences)	Dr. Mohd. Zubair Ansari Department of Physics, NIT Sgr (Physical Sciences)
Dr. A H. Sofi <a href="mailto:shifs237@gmail.com">shifs237@gmail.com</a> (For Registration)	Er. Mursal Hamdani <a href="mailto:icnbl@nitsri.net">icnbl@nitsri.net</a> (For Accommodation)	Dr. Tauseef Ahmad <a href="mailto:icnbl@nitsri.net">icnbl@nitsri.net</a> (For Abstract)

Advisory Board: Scientists/Academicians/Industrialists/Innovators/policy makers/Chairpersons

**Dr. M A Shah**

Convener/Chair ([inspire@nitsri.net](mailto:inspire@nitsri.net))  
Hand Set: +91-9419018195

**Dr. Harkirat Singh**

I/C Conf. Secretariat

### Event Spectrum

- 30 Plenary talks of Nobel Laureates and distinguished scientists.
- 20 Key note addresses on Nanotechnology
- 50 Invited talks from world renowned academicians
- Meet of the Heads of the Scientific Attachés of the country
- Special sessions of DRDO/DAE/CSIR/INSA
- Research Industries interaction- Business opportunities
- Panel discussion with stalwarts of Nanoscience
- Exhibition on world approved products/equipments
- Young Scientists Meet/Young Innovators Meet
- Special session for Women's Working in Nanotechnology
- U.G/PG Students Sessions with Nano-People
- Opportunity for Research Collaboration/ For MOUs
- Awards (Young Researcher/Young Scientist/ Best Posters)
- Post conference - Journal publications with Nature in Progress

### Event Statistics

- Over 300 delegates
- Powerful deliberation by 50 experts
- Exhibitions by 50 International Companies
- Representation from 50 Countries
- Poster Presentations by 300 young scientists
- Participation of 100 organizations
- Participation of 100 meritorious students

### Conference Focus

Advanced Nano-Materials | Functional Biomaterials  
Energy & Environment | Nanocomposites | Global Connect  
Nano Fabrication | Health care & Medicine | Oil & Gas  
Information Technology | Business opportunities | Devices & Sensors  
Nano Medicine | Storage & Solar cells | applications | Innovations

### Call for Papers:

Scientists/Academicians are invited to write full length papers in MS word related to the broad themes of the conference as per the guidelines uploaded. The abstracts should not exceed 250 words can be submitted through mail latest by 30th Dec 2018 ([icnbl@gmail.com](mailto:icnbl@gmail.com))

**Pre-conference Tutorials - Inspiration & deeper understanding**  
In this cutting edge technologies, a dedicated day for pre-conference tutorials will enhance the skills and offer a quite yet inclusive grasp of latest trends and opportunities in this cutting edge technologies. An excellent programme for students who have recently graduated with a bachelor's degree in science and engineering /doctoral students/post doctoral students, with a focus on this frontier research area & corporate who seeks a deeper understanding of this versatile area.

**Register Now!** [www.shahnit.org](http://www.shahnit.org)

### Poster- Walkway of discover & Innovation

A unique opportunity for scientists and researchers to share their innovation and research in Nanoscience & research institutes. Best posters shall be suitably rewarded. **Register Now!** [www.shahnit.org](http://www.shahnit.org)

### Research Industry Meet- Business & Science Meet

A unique platform developed for the benefit of young researchers and entrepreneurs to present their research work. It is expected to be attended by potential investors, Heads of the large R & D labs, venture capitalists and industry captains. Exhibition stalls are planned at the conference venue to generate awareness about start of art developments. **Register Now!** [www.shahnit.org](http://www.shahnit.org)

Delegates Tariff up to 30<sup>th</sup> Dec 2018

For Registration details visit our Website  
<http://www.nitsri.net>

Category	PG Students/ Research Scholars	Academics/ R & D Institute/ Laboratories	Industries/Business Class/Manufacturers of equipments	Accompanying Persons
Date	Up to 30 Dec	Up to 30 Dec	Up to 30 Dec	Up to 30 Dec
Currency	₹	\$	₹	\$
Amount	2000	200	7500	950
			10,000	1000
			2000	200

Note: After 30<sup>th</sup> December, 2018, 25% shall be charged extra on all above categories. Special registration fee: Add extra Rs. 10,000 (visit to other places)

### Accommodation & Transport:

Paid accommodation would be arranged on request in the vicinity of the venue: Can be arranged in Hotels / Hostels/Guest Houses/House Boats on request only.

Sponsorships: Central and State Govt Funding Agencies, Industries, Manufacturing companies & Banks.