



# INVITATION



## National Conference "NanoScience and NanoBiotechnology: Present and Future Perspectives"

We invite you to participate in the National Conference on "Nanoscience and Nanobiotechnology: Present and Future Perspectives" (LSFI-MIET-NANO-2011). Event is jointly organized by Life Science Foundation India, Karnataka and Meerut Institute of Engineering and Technology, Meerut, Uttarpradesh. It intends to stimulate discussions on the forefront of research, education and commercialization of nanoscience and nanobiotechnology applications with present and future prospective under the following themes.

- **Themes:** (i) Bioscience and Biotechnology (ii) Nanomedicine and Pharma (iii) Nanotechnology in Agriculture and Food (iv) Nanotechnology in Veterinary & Animal Science (v) Biochemical Nanobiotechnology and (vi) Nanobiosensors and Electronics etc.
- **Date and Venue:** November 26<sup>th</sup>, 2011 at MIET, Meerut, Uttara Pradesh, India.
- **Call for Papers:** Well focused, organized and current developments discussed research or review papers may be submitted for oral or poster presentation.
- **Who can apply:** Interested participants from University, Colleges, Industry, Professionals, Faculty, Researchers and Students in Sciences, Physics, Chemistry, Pharmacy, Medicine, Agriculture, Veterinary, Biotechnology and life sciences etc.
- **Last date:** Paper submission-10<sup>th</sup> Oct 2011; Acceptance of papers- 20<sup>th</sup> Oct 2011; Registration- 26<sup>th</sup> Oct 2011
- **Details visit Website:** [www.lifescience.org.in](http://www.lifescience.org.in) / [www.miet.ac.in](http://www.miet.ac.in)

Contact for further details	
<b>Prof Dr. A. Subrahmanyam</b> <b>Dr. Pankaj Tyagi</b> Organizing Secretary (LSFI-MIET-NANO-2011) Department of Biotechnology, MIET Meerut Institute of Engineering & technology, Off., NH 58, Baghat Crossing Bypass Road Meerut – 250005 , Uttara Pradesh State, INDIA	<b>Dr. Hiregoudra B</b> Patron (LSFI-MIET-NANO-2011) Executive Director Life Science Foundation of India Admin Off: Morigeri Bellary District - 583220 Karnataka State, INDIA
<b>Email:</b> <a href="mailto:nanolsfimet2011@gmail.com">nanolsfimet2011@gmail.com</a> <b>Telephone:</b> 09368-891622 / 0121-2439019 / 08970-177844	

## BROCHURE



# National Conference Nanosciences and Nanobiotechnology Present and Future Prospectives (LSFI-MIET-NANO-2011)

## Invitation

On behalf of the organizing committee, we would like to invite you to participate in the National Conference on Nanosciences and Nanobiotechnology: Present and Future Perspectives, (LSFI-MIET-NANO-2011) which will be held on November 26<sup>th</sup>, 2011 at Meerut, Uttara Pradesh, India. LSFI-MIET-NANO-2011 intends to stimulate discussions on the forefront of research, education and commercialization of nanosciences and nanobiotechnology applications with present and future prospectives. The conference will focus on fundamentals and applications of nanosciences and nanobiotechnology in various fields such as medicine, agriculture, animal science, pharmacy, inorganic nanomaterials and nanodevices, nanosystem, characterization and standards of nanostructures, and plasmonics, as well as modeling and simulation of nanostructures etc. We sincerely hope that, this opportunity presented by LSFI-NANO 2011 will serve the interest of the scientific community, as well as the industry and the general public. We wish to extend our warm welcome to all participants and sponsors of the event. Looking forward to meeting you in Meerut in November 2011.

.....*Organizing Secretary, Organizing Committee*

## Scope

Nanoscience is one of the emerging areas of science and technology wherein, many fields converge in research dealing with objects that are measured in nanometers. Nanobiotechnology is a branch of nanotechnology that deals with biological and biochemical applications or uses. Nanobiotechnology often studies existing elements of living organisms and nature to fabricate new nano-devices. Generally, nanobiotechnology refers to the use of nanotechnology to further the goals of biotechnology. The potential uses and benefits of nanotechnology are enormous. It comes with a promise of improvisation, ad-libbing the present technology involved in almost everything spanning from the mundane features like better paints, self-cleaning windows to the bizarre tiny submarines that will glide through our veins destroying pathogens and parasites. Nano-systems in biology, the most complex and highly functional nano-scale materials and machines have been invented by nature. Proteins and nucleic acids, and other naturally occurring molecules (polymers) regulate and control biological systems with incredible precision. Ultra-strong or other clever materials are commonplace – from muscle glue, through spider's silk, to water-repelling lotus leaves. Many nanotechnologists are in fact drawing inspiration from biology to device new materials and devices. Nanobiotechnology is an promising area of scientific and technological opportunity. It applies the tools and processes of nano/microfabrication to build devices for studying biosystems. Nanobiotechnology as delivery platform offers very promising applications in drug delivery, Molecular Diagnostics etc. Researchers also learn from biology how to create better micro-nanoscale devices. This symposium will witness a number of talks by invited speakers, and also oral and poster presentations in the following topics.

## Themes

- (i) Bioscience and Biotechnology
- (ii) Nanomedicine and Pharma
- (iii) Nanotechnology in Agriculture and Food
- (iv) Nanotechnology in Veterinary & Animal Science
- (v) Biochemical Nanobiotechnology and
- (vi) Nanobiosensors and Electronics etc.

## Co-organizers

- Life Science Foundation India (LSFI), Karnataka
- Meerut Institute of Engineering and Technology (MIET), Uttar Pradesh

**Date and Venue:** 26<sup>th</sup> November, 2011, Seminar Hall, MIET, Meerut, Uttar Pradesh

## Paper Presentation (Oral / Poster)

- Papers on any of the above themes may be submitted. Official language of conference is English. Each first author is entitled to submit only two papers. Papers shall not exceed 6000 words, cited references to be limited to about 100 in number. Papers should be well focused and organized and discuss current developments in a field. Oral presentation is for 10 minutes. Poster size shall be 1 meter x 1 meter and should be neatly prepared which can be read from a distance of 3 feet. Papers should reach on or before 10<sup>th</sup> October 2011. All papers are to be submitted by email to the Organizing Secretary <[nanolsfimiet2011@gmail.com](mailto:nanolsfimiet2011@gmail.com)>.
- **Guidelines for paper preparation:** Manuscripts should be typed double-spaced on one side of white A4 paper (21x28 cm). The pages should be numbered consecutively, starting with the title page and through the text, reference list, tables and figure legends. The **title** should be brief, specific and amenable to indexing. Not more than five **keywords** should be indicated separately; these should be chosen carefully and must not be phrases of several words. **Abstract** and **summary** should be limited to 100 words and convey the main points of the paper, outline the results and conclusions, and explain the significance of the results. **Text:** All papers should have a brief introduction. The text should be intelligible to readers from different disciplines and technical terms should be defined. Tables and figures should be referred to in numerical order. All symbols and abbreviations must be defined, and used only when necessary. Superscripts, subscripts and ambiguous characters should be clearly indicated. Units of measure should be metric or, preferably, SI. **Acknowledgements** should be as brief as possible. **Footnotes** are not normally allowed except to identify the author for correspondence. **References** should be numbered in superscript, serially in the order in which they appear, first through the text and then through table and figure legends. References should not include unpublished source materials. The list of References at the end of the text should be in the following format.
  1. Lindley, S. T., Estimation of population growth and extinction parameters from noisy data. *Ecol. Appl.*, 2003, **13**, 806–813.
  2. Martin, H., The Archaean grey gneisses and the genesis of continental crust. In *Archaean Crustal Evolution* (ed. Condie, K. C.), Elsevier, Amsterdam, 1994, pp. 205–259.
  3. Rao, K. N. and Vaidyanadhan, R., Geomorphic features in Krishna Delta and its evolution, Proceedings of the National Symposium on Morphology and Evolution of Landforms, Department of Geology, Delhi University, New Delhi, 1978.

## How to apply?

Participants from university, Colleges, Industry, Professionals, Faculty, Researchers and Students in Sciences, Physics, Chemistry, Pharmacy, Medicine, Agriculture, Veterinary, Biotechnology and life sciences related areas who are interested to get exposure in this frontier area of science and technology. Submit the registration form along with a demand draft in favor of "LSF India" by registered post to : **Admin. Office, LSF India, Morigeri-583220, Bellary, Karnataka, India**. Registration Charges includes Conference materials, proceedings and working lunch only (Industry- ` 2500/-; Faculty- ` 1200/-; Students (With Fellowship) - ` 800/- ; Students (Without JRF / SRF) – ` 300/-). Limited number of **accommodation** for the participants on payment basis may be arranged on advance request. For details contact Dr. Pankaj Tyagi (09368891622 / [nanolsfimiet2011@gmail.com](mailto:nanolsfimiet2011@gmail.com)). **Nearest places of tourist interest** such as Haridwar, Rishikesh, Agra, Delhi, Dehradun, Hastinapur etc., may be visited by the delegates on their own.

## Important dates

- Paper submission by email ( Oral / Poster) : 10<sup>th</sup> October 2011
- Acceptance of papers communication by email (Oral / Poster) : 20<sup>th</sup> October 2011
- Submission of Registration form along with Demand Draft : 26<sup>th</sup> October 2011
- Conference day : 26<sup>th</sup> November 2011

## Organizing Committee

### Chairperson

Sh. Vishnu Saran, Chairman, MIET

### Patron-in-Chief

Lt. J.M.Garga, Director General, MIET

### Patron

Dr. A.K. Solanki, Director, MIET  
Dr. Hiregoudra B, Executive Director, LSF1

**Convener**

Dr. A. Subrahmanyam, HoD, Biotechnology, MIET

**Co-Convener**

Dr. S.K. Singh, Ph.D., Department of Biotechnology and Microbiology, CCSU-MIET  
Mr. Ajay Sharma, Department of Biotechnology, MIET

**Organizing Secretary**

Dr. Pankaj Kumar Tyagi, Department of Biotechnology, MIET, Meerut

**Members (MIET)**

Dr. Anita Rawat Department of Biotechnology, MIET  
Dr. Nitin Gerg Department of Biotechnology, MIET  
Mr. Vivek Srivastava Department of Biotechnology, MIET  
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Ms. Vandana Sharma, Department of Biotechnology and Microbiology, CCSU-MIET  
Mr. Siddhartha Choudhary, Department of Biotechnology and Microbiology, CCSU-MIET

**Members (LSFI)**

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Dr. Tha. Thayumanavan, Project Director, LSF1  
Dr. Major Pankaj Jain, Indian Army, Military Farm, Bengdubi, Darjeeling, West Bengal  
Dr. Dinesh Kumar Ph.D., Shoolini University of Biotech & Management Sciences, Solan, Himachal Pradesh  
Dr. Girish N Maradii, UAS, Raichur, Karnataka  
Dr. C M Kalibavi, UAS, Raichur, Karnataka  
Ms. Shazia Saif, Scientific Associate, LSF1, Karnataka

**Core Organizing Units of MIET**

Department of Biotechnology (MT University)  
Department of Biotechnology and Microbiology (CCSU-MIET Campus)

**Registration form**

1. Title (Dr/Mr/Mrs) .....
2. Name & Address ( include email and contact phone number) .....  
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.....  
.....
3. Date of Birth .....
4. Highest Education (Post Doc / Ph.D. / Masters / Bachelors) .....
5. Occupation .....
6. Nationality.....7. Paper submission (Yes / No) .....
8. Paper title .....
9. Registration charges enclosed (Demand Draft No., Date & Amount) .....

10. Declaration: I hereby declare that all the particulars stated in this registration form are true and correct to the best of my knowledge and belief.
11. Signature of the candidate .....
12. **Address for submission**  
Executive Director, Life Science Foundation India, Admin. Office: Morigeri – 583220, Bellary, Karnataka, India
13. **Email submission to <nanolsfimiet2011@gmail.com>**

<b>Contact for further details</b>	
<b>Prof Dr. A. Subrahmanyam</b> <b>Dr. Pankaj Tyagi</b> Organizing Secretary (LSFI-MIET-NANO-2011) Department of Biotechnology, MIET Meerut Institute of Engineering & technology, Off., NH 58, Baghpat Crossing Bypass Road Meerut – 250005 , Uttara Pradesh State, INDIA	<b>Dr. Hiregoudra B</b> Patron (LSFI-MIET-NANO-2011) Executive Director Life Science Foundation of India Admin Off: Morigeri Bellary District - 583220 Karnataka State, INDIA
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