

## Advisory Committee

• Dr. Anil Kakodkar	Former Director, Bhabha Atomic Research Centre (BARC), Mumbai & Former Chairman, Atomic Energy Commission (AEC), India.
• Dr. S. D. Sharma	Scientific Officer (G), Bhabha Atomic Research Centre (BARC), Mumbai.
• Dr. Arun Chougule	Professor and Head, Department of Radiological Physics, SMS Medical College, Jaipur
• Dr. A.U. Sonawane	Head, Radiological Safety Division, Atomic Energy Regulatory Board (AERB), Government of India
• Dr. D. D. Deshpande	Professor and Head, Department of Medical Physics, Tata Memorial Hospital, Mumbai
• Dr. S. L. Hoti	Scientist G, ICMR-National Institute of Traditional Medicine, Belagani
• Dr. D. P. Amalnerkar	Former Executive Director, Centre for Materials for Electronics Technology (C-MET), Pune
• Dr. Gauri R. Kulkarni	Associate Professor, Department of Physics & Director, School of Basic Medical Science, S. P. Pune University, Pune
• Prof. P. P. Mahulikar	Professor and Director, School of Chemical Sciences, North Maharashtra University, Jalgaon
• Prof. J. S. Bhat	Professor, Department of Physics, Karnataka University, Dharwad
• Prof. U. S. Raikar	Professor Department of Physics, Karnataka University, Dharwad & Director, Dharwad Regional Science Centre.
• Prof. R.P. Yadagiri Reddy	Professor, Department of Physics, Osmania University, Hyderabad
• Dr. B. Subramanian	Senior Scientist CSIR-Central Electrochemical Research Centre (CECRI), Karaikudi
• Dr. S. M. Senthilkumar	Scientist, CECRI, Karaikudi
• Prof. V. J. Fulari	Head, Department of Physics, Shivaji University, Kolhapur
• Prof. P. S. Patil	Professor and Coordinator, School of Nanoscience and Technology, Shivaji University, Kolhapur
• Dr. Dilip Shivagan	Senior Scientist, National Physics Laboratory (NPL), New Delhi
• Prof. Hashmi	Associate Professor, Delhi University, Delhi
• Dr. H. N. More	Principal, College of Pharmacy Bharti Vidyapeeth, Kolhapur

## Executive Committee

Dr. Sanjay D. Patil	President
Prof. Vijay Bhatkar	Chancellor
Prof. P. B. Behere	Vice-Chancellor
Prof. S. H. Pawar	Distinguished Professor
Prof. C. D. Lokhande	Research Director & Dean, CIR
Prof. R. K. Sharma	Dean of Medical College
Prof. B. C. Patil	Medical Superintendent
Dr. V. V. Bhosale	Registrar
Shri. Nikhil Patil	Finance Officer

## Organizing Committee :

Prof. P. B. Behere	Vice-Chancellor	Chairman
Prof. C. D. Lokhande	Research Director & Dean, Center for Interdisciplinary Research	Co-chairman
Dr. Ms. Manisha Phadatare	Asst. Prof. Dept. of Medical Physics, Centre for Interdisciplinary Research	Convener
Dr. Arvind Gulbake	Coordinator, Research and Development, Center for Interdisciplinary Research	Co-convener
Dr. Raghendra Bohara	Asst. Prof. Dept. of Stem cells & Regenerative Medicine, Centre for Interdisciplinary Research	Organizing Secretary
Dr. Mrs. S. Indumathi	Asst. Prof. Dept. of Stem cells & Regenerative Medicine, Centre for Interdisciplinary Research	Member
Dr. Meghna Joshi	Assoc. Prof. Dept. Stem Cell & Regenerative Medicine, Centre for Interdisciplinary Research	Member
Ms. Madhuri Anuje	Asst. Prof. Dept. of Medical Physics, Centre for Interdisciplinary Research	Member
Dr. Umakant M. Patil	DST-Inspire faculty, Dept. of Medical Physics, Centre for Interdisciplinary Research	Member

**Registration Form :** To be downloaded from the website : [www.dypatilunikop.org](http://www.dypatilunikop.org)

**Venue :** D. Y. Patil University,  
Kasaba Bavada, Kolhapur - 416 006. (MS) India.

## About Kolhapur

It is located in Western Maharashtra and is easily accessible via road and railways. Kolhapur is known as a place of pilgrimage and is called as Dakshin Kashi, also famous for its Shree Mahalaxmi Temple, and has several places of tourist interest located nearby. The city has a pleasant climate throughout the year.

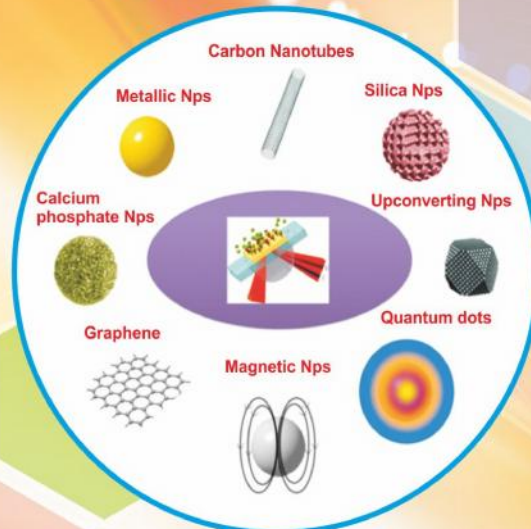
### Address for Correspondence

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Centre for Interdisciplinary Research (CIR),  
D. Y. Patil University, Kasaba Bawada, Kolhapur - 416 006  
**Website :** [www.dypatilunikop.org](http://www.dypatilunikop.org)  
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## National Conference on

# Emerging Trends in Nanomaterials and their Applications (ETNA 2017)

2<sup>nd</sup> & 3<sup>rd</sup> June 2017



Organized by



Department of Medical Physics,  
Centre for Interdisciplinary Research (CIR),  
**D. Y. Patil University**  
Kasaba Bawada, Kolhapur - 416 006 (M.S.) INDIA

## Preamble

Nanoscience, the behavior of physical systems when confined to near atomic, nanoscale (< 100 nm) dimensions together with the physical phenomena that occur at the nanoscale, is currently one of the most dynamic and rapidly developing areas of interdisciplinary research. This is in large part because nanotechnology, the use of these properties and phenomena, is believed to have the potential to revolutionize a wide range of scientific and technological fields. This conference deals with the basic aspects associated with nanomaterials & nanobiotechnology for their applications.

## Objectives

1. To update on advancement on Nanomaterials.
2. To impart knowledge on Nanomaterials to participants.
3. To introduce new concepts of Nanomaterials for their various applications.
4. To pave way for the researchers to expose their talents through platform/poster presentations.

### Focus of Conference :

- Nanomaterials
  - Medical Electronics
  - Nanoparticles for cell labeling
  - Nanobiosensors
  - Nanoscaffolds
  - Cancer Biomarkers
  - Medical Radiation exposure
  - Any other related topics
- Cancer Nanotechnology
  - Targeted Drug delivery
  - Nanomedicine
  - Nanobiotechnology
  - Nanofluids
  - Tissue engineering
  - Health effects of radiation

The conference includes invited lectures, panel discussion and competitions (Platform and poster presentation).

## Invited Speakers

Eminent Scientists from different research laboratories/ Universities /Institutions in the country.

## Tentative Speakers List

- **Dr. S. L. Hofi**, Scientist G, ICMR - National Institute of Traditional Medicine, Belagavi
- **Dr. Prakash V. Diwan**, Founder Director, NIPER, Hyderabad, Technical Advisor, IPC, Gaziabad, Consultant IICT, Hyderabad
- **Prof. S. H. Pawar**, Research Director, Sinhgad Institute, Solapur (M.S.)
- **Dr. Raghmani Singh Ningthoujam**, Scientist E Chemistry Division Bhabha Atomic Research Centre (BARC), Mumbai
- **Dr. Gauri R. Kulkarni**, Associate Professor, Department of Physics & Director, School of Basic Medical Science, S. P. Pune University, Pune – 411 007

- **Dr. Pankaj Poddar**, Senior Scientist, Physical and Materials Chemistry Division, CSIR-National Chemical Laboratory, Pune
- **Dr. Shouvik Datta**, Associate Professor, Department of Physics, Indian Institute of Science Education and Research (IISER), Pune.
- **Dr. Rajeev Joshi**, Associate Professor, Department of Physics, Central University, Gulbarga, India
- **Prof. K. Balasubramanian**, Professor, Dean (AS), Head, Materials Science & Engineering Department, Defense Institute of Advanced Technology (DIAT), Pune
- **Prof. Sanjay K. Jain**, Professor Pharmaceutics, Department of Pharmaceutical Sciences, Dr. H. S. Gaur Central University, Sagar, M.P.
- **Dr. Sachin Kadam**, Associate Professor, Liver and Biliary Institute, Delhi
- **Dr. D. P. Amalnerkar**, Former Executive Director, Centre for Material for Electronics Technology (C-MET), Pune
- **Dr. Nitin K. Jain**, Scientist E, DST, New Delhi
- **Prof. B. R. Sankapal**, Associate Professor and Head, Department of Physics, VJTI, Nagpur
- **Prof. R. S. Mane**, Professor, Swami Ramanand Tirth Marathwada University (SRTMU), Nanded
- **Prof. (Mrs.) Vaishali A. Bambole**, Professor, Department of Physics, Mumbai University

## Who can attend the conference?

B.Tech / B.Pharm. / B.Sc. / M.Sc. / M.Pharm. / M.Tech / M.D. / Ph.D. students of Physics, Chemistry, Nanotechnology, Medical Physics, Biotechnology, Biomedical Science, Pharmacology, stem cells, Life sciences etc. can participate. Even MBBS/DNB students can also participate. Besides, this conference is open for clinicians/ scientists/ doctors/ physicians and others relevant to this field. Researchers are invited to make the presentations in the form of posters/orals.

## Call for Abstracts

A copy of the Abstract of research work may be submitted/e-mailed on (etna2k17@gmail.com) to the “Convener, ETNA-2017” on or before 15<sup>th</sup> May, 2017. Abstract may be confined to A4 size paper having a maximum of 300 words. The abstracts should include full title typed in capital letters and centered. The authors' names and affiliations may follow the title. The name of student presenting the paper should be underlined. The e-mail address of the corresponding author, as well as affiliation of all authors, and their complete addresses should be given. The text, in single spacing, may start after a gap of one line. Letter size should be 12 in Times New Roman font. Authors should submit both word/PDF files of their abstract via email. All the abstracts accepted for presentation at ETNA-2017 will be e-printed in an Abstract Book. **Selected papers will be published in Conference Proceeding of Medical Journal of D. Y. Patil University.**

## Exhibition

There will be exhibition of scientific equipment, industrial products, hospital instruments, pharmaceutical products, Nanomaterials processing machines, and device throughout the conference. As an exhibitor, this event offers a host of business opportunities.

## Registration Information

Category	On or before 10th May 2017	After 10th May 2017
Students / Research Scholars / Research Associates	Rs. 1000	Rs. 1500
Faculty / Doctors / Scientists	Rs. 1500	Rs. 2000
Industry	Rs. 2000	Rs. 3000

Registration fee includes local transportation, conference materials, lunch, coffee/tea/snacks (during the conference).

## Payment Details

All payments should be made payable to

1. <b>The Registrar, D. Y. Patil University, ETNA-2017.</b> Kindly write your name followed by ETNA-2017 at back of the bank draft.	
2. <b>RTGS/NEFT details</b>	
<b>Name</b>	: Registrar, D. Y. Patil Education Society Deemed University, Kolhapur.
<b>A/C No.</b>	: 1207050010399
<b>IFSC Code</b>	: UTBI0KLP645
<b>Bank Name &amp; Address</b>	: United Bank of India, 649, 'E', 3rd Lane, Shahupuri, Kolhapur - 416 001.
<b>Nature of Bank A/c.</b>	: Current

Registration will only be confirmed upon receipt of payment.

## Important Deadlines

- **Abstract Submission** : 15<sup>th</sup> May 2017
- **Intimation of Acceptance** : 22<sup>nd</sup> May 2017
- **Accommodation Request** : 25<sup>th</sup> May 2017