



Two Day National Conference

on

# Materials and their Applications: A Broad Perspective

9<sup>th</sup>-10<sup>th</sup> January 2020

Organized by



Vidya Prasarak Mandal's

## B.N. Bandodkar College of Science, Thane

- FIST- O Level Grant (2013-14)
- Best College Awarded by University of Mumbai (2009-10)
- Re-Accredited by NAAC with "A" Grade
- Celebrated Golden Jubilee (2019)

In Collaboration with



Department of Physics

## The Institute of Science, Mumbai

- DST-FIST Supported Department
- NAAC re-accredited 'A' Grade
- Celebrating Centenary Year (1920-2020)

*Venue:*

Thorale Bajirao Peshwe Sabhagruha, Thane

*Address for Correspondence:*

Organizing Secretary, NCMA

E-Mail: [ncma2020@vpmthane.org](mailto:ncma2020@vpmthane.org)

Mob.: 9869612545/9821516529

## Announcement

In keeping with the Scientific Future Mission to aid the creation and sharing of Materials Science knowledge and experience, we are proud to announce "Two Day National Conference on Materials and their Applications: A Broad Perspective" on 9<sup>th</sup> & 10<sup>th</sup> January 2020 in collaboration with The Institute of Science, Mumbai. Conference idea is initiated with an underlying mission to prepare researchers, analysts and young researchers to expose them to diverse disciplines with the skills and competencies needed to face the challenges of a quick evolving world.

Materials Technology and Manufacturing Innovations play a vital role in our lives because of its uniqueness in properties and extended application in various industries. The development of Materials Technology will be the key policymaker and will bring a new wave as the radical innovations in many application areas.

The field of materials have not just helped the advancement in various fields in science and innovation but also additionally contributed towards the change of the nature of human life. This has turned out to be conceivable with the distinctive disclosures and innovations prompting the improvement of different applications.

Materials research is the heart of many technological developments that touch our lives and find applications such as magnetic materials, electronic materials for communication and information technology, biomaterials for tissue engineering, sensors for the intelligent environment, energy materials for renewable energy and environment, light alloys for better transportation, materials for strategic applications and many more.

The aim of the conference is to facilitate interactions within the research community and discuss the latest developments in the rapidly advancing field. It also aims to provide the premier interdisciplinary and multidisciplinary forum for researchers, practitioners and educators to present and discuss the most recent innovations, trends and concerns, practical challenges encountered and the solutions adopted in the field of Materials Science and Engineering.

## Scope of the Conference

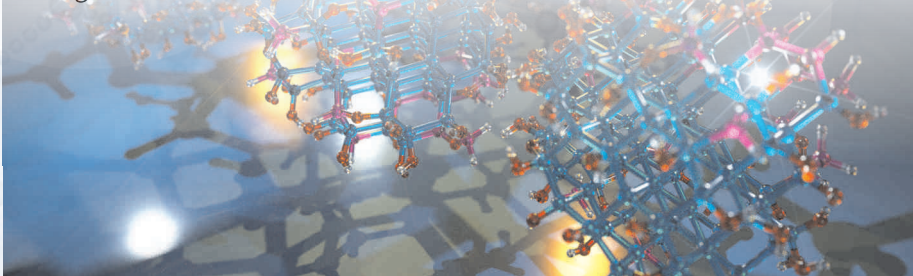
Two Day National Conference on "Materials and their Applications: A Broad Perspective" will provide an interactive platform for delegates and young researchers to have issues addressed on Materials Science by recognized experts who are up to date with the latest developments in the Materials Science field and also provide information on new techniques and technologies. It will also offer a tremendous opportunity for researchers; practitioners and industrial scientists to represent a diverse multi-disciplinary range of sciences to meet and discuss the cutting-edge topics in materials science. Every participant will be assured to get a chance of discussions on their research work in the supervision of senior researchers through oral/poster sessions.

## About VPM's B. N. Bandodkar College of Science

Vidya Prasarak Mandal (VPM) is a premier Educational Trust in Thane which was established in August 1935. Ex. President Late Dr. V. N. Bedekar had a dream of creating an "Island of Knowledge" (Jnandweepa) in Thane. He had a great foresight for young generation of developing Thane city and need of education to turn this youth into good citizens of India. With this singular zeal, and enthusiastic support from his colleagues, he succeeded in bringing it in reality. In 1969, Vidya Prasarak Mandal's College started functioning with all three faculties i.e. Arts, Commerce and Science. In June 1975, the affiliation of College was changed to University of Mumbai from University of Pune, and in the same year, B. N. Bandodkar College of Science was separated from the Arts and Commerce College for administrative convenience. B.N.Bandodkar is the ONLY Single Faculty Science College, affiliated to University of Mumbai. Our institution welcomes the rationale behind the ideologies of NAAC with great passion. In a developing country like India, with its heterogeneous and massive population, mechanism for Assessment and Accreditation of colleges is certainly the most effective way of ensuring quality education. In commemoration of 50 golden years of existence, department of physics thought it apt to conduct a national conference.

## About the Institute of Science

The Institute of Science, Mumbai is a premier research and post graduate teaching Institute fostering philosophy of research among the students and the staff. It is managed by the Government of Maharashtra. The Institute is Celebrating Centenary Year (1920-2020) The vision and mission of the Institute is to ensure that every student of the Institute becomes an achiever. To prepare outstanding educators, scholars and researchers and to advance education through research in science and art of teaching and learning for the benefit and academic progress of students and researchers. The Department of Physics came into existence in June 1927. The Department of Physics offers postgraduate programmes and conducts research in frontier areas of Physics. The Department has been recognized for the special funding by DST under the Fund for Improvement of Science and Technology Infrastructure (FIST) scheme. The faculty members have obtained research grants exceeding Rs. 2 Cr through major research projects from various funding agencies such as DST, UGC, DRDO, DAE, BRNS, RGSTC and CSIR of Government of India. The research activities have resulted in publication of more than 200 research papers in journals of international repute in last few years. The members of the faculty have been accorded with several national, international awards, fellowships and are members in the National Committees, referees of many national and international journals. Faculty members are also involved in collaborative research work with leading scientists in India and Abroad.



## Topics

- ❖ Materials for Energy Application
- ❖ Materials for catalysis and Environment
- ❖ Smart and functional materials
- ❖ Biomaterials
- ❖ Synthesis and characterization of materials

## Important Dates

Abstract submission begins (Online)	15th September 2019
Last date for submission of Abstract	1st November 2019
Acceptance notification	15th November 2019
Last date for payment of Registration fees	22th November 2019
Last date for Full Length Paper submission	16th - 30th November 2019

## Registration fees

Sr. No.	Category	Amount (in Rs.)
1	Students	1000
2	Faculty From Educational Institutes	2000
3	Delegates	2000
4	Accompanying persons	2000
5	Delegates from Industries	3000

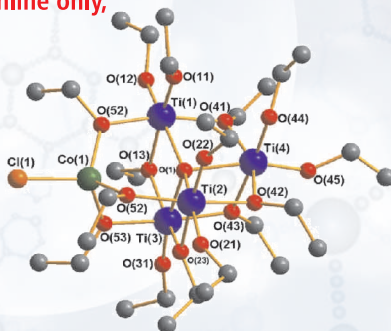
\* Limited Accomodation will be provided at INR 1500/- to 2000/- per Night

**Register and Submit Your Abstract Here**

[www.vpmthane.org](http://www.vpmthane.org)

**Payments of registration fees will be accepted online only,  
at the following bank account:**

Bank : Bank of India  
Branch : Thane  
A/C No : 004310100036063  
IFSC : BKID0000043  
MICR : 40013080



# Submission of Abstracts and Manuscripts

Abstracts are to be uploaded at the time of online registration as a word doc in a given template, before 1<sup>st</sup> November 2019, for the consideration of oral /poster presentation.

## About City

Sr. No.	Places of Interest and distance from thane city (in Km)		Distance from VPM's B.N.Bandodkar College of Science, Thane ( in Km)	
1	Kaneri Caves	30	Thane railway station	1
2	Elephanta Caves	45	Chhatrapati Shivaji Terminus Railway Station	36
3	Matheran	65	Lokmanya Tilak Terminus	21
4	Murud Janjira Fort	165	(LTT) Railway Station	
5	Mahabaleshwar	240	Chhatrapati Shivaji International /Mumbai Domestic Airport	27
6	Ajanta Elora Caves	300		

The weather is generally cool and pleasant with daytime temperature of around 27°C and nighttime temperature of around 17°C in the month of January.



## PATRON

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- ❑ **B. N. Bandodkar College of Science**
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- ❑ **VPM's Swarānjali (स्वरांजली) - A platform for academic study of Indian Classical Music**