

**Report on
National Conference on Nanomaterial Imperatives in the
New Millennium**



16-17th October 2016

Sponsored By

Savitribai Phule Pune University, Pune
[Under Quality Improvement Program]

Organized By

**Department of Physics,
SNJB's Karmavir K. H. Abad Arts, Shriman M. G. Lodha Commerce
and Shriman P. H. Jain Science College, Chandwad Dist- Nashik
423101**

*Re-accredited by NAAC with 'B' Grade
Best College Award (2015-16) by SPPU, Pune*
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Name of the Conference : National Conference on Nanomaterial Imperatives in the New Millennium (NINM 2016)

Date : 16-17 Oct., 2016

Co-ordinator : Prin. Dr. G. H. Jain
Smt. Dr. S. D. Shinde
Dr. G. E. Patil
Mr. Anil B. Gite

Report:

The Department of Physics organized the "**National Conference on Nanomaterial Imperatives in the New Millennium (NINM 2016)**" on **16-17 Oct., 2016** sponsored by **Savitribai Phule Pune University, Pune** under Quality Improvement Program.

This conference aims to bring together academicians, researchers and students working on nanomaterials to hold open deliberations on the latest R & D in this exciting area.

Totally around 13 full length papers and 43 abstracts were received from various colleges. The received paper has been reviewed through the scrutinizing committee & the reviewed details have been forwarded to the concern students about oral and poster presentation.

We have received foreword from Director **Dr. V. B. Gaikwad**, BCUD, Savitribai Phule Pune University, Pune and Vice-Chairman of Prabandh Samiti, S.N.J.B Chandwad **Hon'ble Ajitbhai Surana** and also from **Hon'ble Kantilalji Bafna**, Trustee & Co-ordinator, College LMC, Chandwad and **Hon'ble Mahavirbhai Parakh** Co-ordinator, College LMC, Chandwad for our proceedings.

The conference was inaugurated in the presence of distinguished scientist **Dr. Dinesh P. Amalnerkar** (School of Mechanical Engineering, Sungkyunkwan University (SKKU) Suwon, Gyeonggi, SOUTH KOREA), **Dr. N. R. Munirathnam**, Director General, Centre for Materials for Electronics Technology(C-MET), Ministry of Electronics & Information Technology (MeitY), Govt. of India, Pune, **Dr. Bharat B. Kale**, Director, Centre For Materials For Electronics Technology(C-MET), Pune and our management members.

Organizing Chair our **Prin. Dr. G. H. Jain** welcomed the gathering and addressed the overview of NINM 2016. The Hard copy of conference proceeding was released by the dignitaries **Dr. Dinesh P. Amalnerkar, Dr. N. R. Munirathnam, Dr. Bharat B. Kale and Dr. P. K. Khanna**.

A Keynote address was given by **Dr. Dinesh P. Amalnerkar and Dr. N. R. Munirathnam** about recent trends in **Nanostructured Materials for Biomedical Devices, Body-Implants and Storage Tanks and Nano materials and sensors for smart cities** and motivated the audience to gain more knowledge.

Hon'ble Ajitbhai Surana, Founder Vice-Chairman of Prabandh Samiti, S.N.J.B Chandwad and Principal felicitated the gathering. Smt. Dr. S.D. Shinde introduced the chief guest to the audience.

Invited Speakers Dr. Bharat B. Kale, Prof. C.H. Bhosale, Dr. P. K. Khanna, Prof. Pramod S. Patil, delivered talks on various topics.

Invited talks were followed by parallel paper reading sessions and around 8 papers were presented on the first day.

Second day of the conference opened with invited talk by Prof. Sanjay D. Dhole, Prof. Rajaram S. Mane, Dr. M. Vithal and followed with the poster session and demonstration of gas sensor.

PROGRAMME SCHEDULE

Venue: Auditorium Hall, College of Engineering, Chandwad

Sunday, 16 th Oct 2016				
09:30 - 10:30 am				Registration and Breakfast
10:30 - 11:30 am	Inauguration			Inaugural Speech ❖ Dr. Dinesh P. Amalnerkar ❖ Dr. N. R. Munirathnam Presidential Speech ❖ Shri Ajitbhai Surana
11:30 - 12:00 noon	Session I	Keynote Address		Dr. D. P. Amalnerkar
12:00 - 12:30 pm				Dr. N. R. Munirathnam
12:30 - 01:30 pm				Lunch Break
01:30 - 02:00 pm	Session II	Invited Talk	Dr. R. S. Mane Chairperson	Dr. B. B. Kale
02:00 - 02:30 pm				Dr. P. K. Khanna
02:30 - 02:50 pm				Tea Break
02:50 - 03:20 pm	Session III	Invited Talk	Dr. P. K. Khanna Chairperson	Dr. M. Vithal
03:20 - 04:20 pm	Session IV	Oral Presentation	Dr. M. Vithal Chairperson	Participants

Monday, 17 th Oct 2016				
09:00 - 10:00 am				Tea & Breakfast
10:00 - 10:30 am	Session V	Invited Talk	Dr. Rampal Sharma Chairperson	Prof. C.H. Bhosale
10:30 - 11:00 am				Prof. P.S. Patil
11:00 - 11:10 pm				Break
11:10 - 11:40 am	Session VI	Invited Talk	Dr. C. H. Bhosale Chairperson	Dr. S.D. Dhole
11:40 - 12:10 pm				Dr. Ramphal Sharma
12:10 - 12:40 pm				Dr. R.S. Mane
12:40 - 01:40 pm				Lunch Break
01:40 - 02:40 pm	Session VII	Poster Presentation	Chairpersons Prof. P.S. Patil Dr. S.D. Dhole	Participants
02:40 - 03:40 pm	Valedictory Function			

The conference closed with the valedictory function. The report of the two days conference was presented by Prin. Dr. G. H. Jain.



Proceeding publication during National Conference on Nanomaterial Imperatives in the New Millennium (NINM-2016) on 16-17th Oct., 2016



Inauguration of National Conference on Nanomaterial Imperatives in the New Millennium (NINM-2016) on 16-17th Oct., 2016 by Dr. N. Muniratnam, Director , C-MET



Keynote Address by Dr. D. P. Amlnerkar, C-MET in the National Conference on Nanomaterial Imperatives in the New Millennium (NINM-2016) on 16-17th Oct.



Dr. P.S. Patil and Dr. R.S. Mane during demonstration of gas sensor in NINM-2016



Experts during examining poster presentation in NINM 2016



Best College Award (2015-16) by Savitribai Phule Pune University, Pune



The President of Prabaandh Samiti of S.N.J.B, Hon'ble Shri Bebilaji Sanchehi received SPPU "Jeevansadhana Award" (2014-15)

SNJB's Karmavir K. H. Abad Arts, Shriman M. G. Lodha Commerce and Shriman P. H. Jain Science College, Chandwad Dist- Nashik 423101



National Conference
on

Nanomaterial Imperatives in the New Millennium (NINM-2016)

(16-17th October 2016)





Organized By
Department of Physics,
SNJB's Karmavir K. H. Abad Arts, Shriman M. G. Lodha Commerce
and Shriman P. H. Jain Science College, Chandwad Dist- Nashik 423101

Proceeding cover page

National Conference on Nanomaterial Imperatives in the New Millennium (NINM-2016)

16-17 October 2016

Chandwad (NASHIK) Maharashtra

NINM-2016

U.G.C. (WRO), Pune and Savitribai Phule Pune University, Pune sponsored **National Conference on Nanomaterial Imperatives in the New Millennium (NINM-2016)** will be organized at Department of Physics, Karmavir K.H. Abad Arts, Shriman M.G. Lodha Comm. and Shriman P. H. Jain Sci. College, Chandwad Dist- Nashik Maharashtra, on 16-17 October 2016.

Materials are essential for the economic growth of any country. They provide support to the down-stream industries and the entire industrial development of the nation. Maximization of the use of materials would result in an increase of the added value as new products could be obtained from the materials and its processing intermediates. During the last two decades, new technologies have been developed in the areas of material processing which allow its utilization in advanced applications. However, the intermediates require further purification to produce advanced materials for advanced industrial applications. R&D should focus on developing cost effective techniques to develop and utilize materials for solving the problems facing the world during the new millennium such as energy, environment, climate change, food and water supply.

In this regard, the National Conference on Nanomaterial Imperatives in the New Millennium (NINM-2016) has been initiated by the Department of Physics to share experience and exchange views between academicians, researchers and scientists all over India.

The aim of this conference is to hold open deliberations on the latest R & D in this exciting area. The conference will provide the first hand assessment of the existing challenges and their prospective solutions and help participants devise future strategies. The conference will provide a forum for academicians, researchers and students working on nanomaterials.

The highlights of conference topics include:

- Synthesis of Nanomaterials
- Characterization of Nanomaterials
- Applications of Nanomaterials
- Nanosensors
- Solid State Sensors
- Thin & Thick films
- Nanophotonics
- Nanobiotechnology
- Fullerenes and Carbon Nanotubes
- Composite and hybrid materials
- Electronic and magnetic materials

Call for Research Papers

Abstracts and Full Length Research Papers of original and unpublished work are invited for oral/poster presentation on the above mentioned topics. Abstracts and Papers received will be scrutinized by the committee for oral/poster presentation and participants will be communicated through e-mail. Abstracts and Papers will be published in the Proceeding book of National Conference with ISSN number.

Last date for submission of abstract/Paper: 10th October 2016

E-mail address for sending abstracts: gotanjain@rediffmail.com

Registration Details

Registration fee can be sent through D.D. in favour of the **Principal, Karmavir K.H. Abad Arts, Shriman M.G. Lodha Commerce and Shriman P. H. Jain Science College, Chandwad**

Registration Fee: Rs. 1000 (For Faculties)
Rs. 500 (For Research Students) and Rs. 200 (For UG/PG Students)

About Chandwad and Places to Visit

Chandwad is located on Mumbai-Agra National Highway (NH3).
Distance from major cities is Nashik-65 km , Mumbai-230 km & Pune-270 km .
Nearest Railway Junction is Manmad-24km.

Places to Visit:

Shirdi-84 km, Trimbakeshwar-90 km, Saputara-100 km, Mangi Tungli- 76 km

Local Places to visit:

Rangmahal, Ichhapurti Ganesh Temple, Chandreshwari & Renukadevi Temple.



Keynote Speakers & Resource Persons

- Dr. V. B. Gaikwad** Director, BCUD, SPP University, Pune
- Dr. N. R. Munirathnam** Executive Director, C-MET (Govt. of India)
- Dr. B.B. Kale** Director, C-MET, Pune
- Dr. P.K. Khanna** Defence Institute of Advanced Technology, Pune
- Prof. M. Vitthal** Osmania Univ., Hyderabad
- Dr. L.A. Patil** Pratap College, Amalner
- Prof. P.S. Patil** Shivaji University, Kolhapur
- Prof. S.D. Dhole** SP Pune University, Pune
- Prof. Ramphal Sharma** BAMU, Aurangabad
- Dr. A.P. Giri** NCL, Pune
- Dr. P.K. Mehta** M. S. University of Baroda
- Dr. R.S. Mane** SRTM University, Nanded

Convener

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Co-ordinator

Smt. Dr. S.D. Shinde

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Accommodation

Participants will be provided accommodation at their own cost at Hostel or Hotel on their prior request.