REPORT ON



Organized by

Department of Physics

Karmavir K.H. Abad Arts, Shriman M.G. Lodha Comm. and Shriman P. H. Jain Sci. College, Chandwad Dist- Nashik Maharashtra INDIA

International Seminar on Nanomaterial Imperatives in the New Millennium (NINM-2024) held on Thursday, 22nd February 2024 at Seminar Hall, SNJBs Karmavir K.H. Abad Arts, Shriman M.G. Lodha Comm. and Shriman P. H. Jain Sci. College, Chandwad organized by IQAC and Department of Physics supported by SNJBs Chandwad.

Chief Guests for the Conference were Prof. Fabian Ezema, Nano Research Lab, University of Nigeria, Nsukka, Nigeria; Prof. Dr. L. A. Patil Ex-Principal, Pratap College, Amalner and Dr. G. H. Jain ACS College, Nandgaon. They were accompanied by our honorable Principal Dr. D. N. Shimpi, IQAC Co-ordinator Dr. M. T. Patil, Head of the Department Dr. Ganesh Patil and all other Faculty and students. Total 71 participants were present during the seminar.

The seminar began with anchoring by Dr. S. D. Shinde, who created a vibrant atmosphere for the event. Dr. Shinde welcomed the dignitaries and attendees, making the start of the event smooth and memorable. Dr. Ganesh Patil, Head of the Department (HoD) of Physics, provided an insightful introduction to the seminar. He emphasized the relevance of nanomaterials in modern science and technology, their potential applications, and the importance of interdisciplinary research in advancing this domain. Dr. S. D. Shinde also introduced the esteemed guests, offering a brief yet impactful overview of their illustrious careers and contributions to the field of nanotechnology.

The event included a series of felicitation ceremonies to honor the distinguished guests: Prof. Fabian was felicitated by Principal Dr. D. N. Shimpi, acknowledging his exceptional contributions to the field of nanoscience. Dr. L. A. Patil was felicitated by Vice-Principal Dr. M. T. Patil in recognition of his groundbreaking research and innovative applications of nanotechnology. Dr. G. H. Jain was felicitated by HoD Dr. Ganesh Patil for his significant academic and research accomplishments in the realm of nanomaterials.

Principal Dr. D. N. Shimpi delivered the presidential address, shedding light on the ongoing research activities at the Department of Physics, a recognized PhD center. He elaborated on the department's achievements in cutting-edge nanomaterial research and its contributions to the broader scientific community. His speech inspired the attendees, motivating them to pursue excellence in their respective fields.

The seminar concluded with a heartfelt vote of thanks proposed by Dr. A. B. Gite, who expressed gratitude to all the dignitaries, participants, organizing committee members, and sponsors for their unwavering support and cooperation in making NINM-2024 a grand success.

The Conference session was followed by Plenary Session I and II in Seminar Hall

On 22nd February 2024

Plenary Session I (11.30 a.m. to 1.00 p.m.): Dr. L. A. Patil, Chair-person: Dr. N. U. Patil

Prof. Dr. L. A. Patil delivered the invited talk on the topic "Nanotechnology to Achieve Sustainable Development Goals (SDGs) Set by United Nations." He explained how nanotechnology can help solve global problems. Prof. Patil talked about its role in clean energy, safe water, healthcare, and fighting climate change. He shared examples of nanomaterials that improve efficiency and reduce pollution. His speech encouraged everyone to use nanotechnology to create a sustainable future and work together across fields.

The session was concluded with interaction with audience.

Plenary Session II (1.30 a.m. to 3.00 p.m.): Prof. Ezema Fabian, Chair-person: Dr. L. A. Patil

Prof. Fabian delivered an insightful talk on the "Overview of Researches on Development of Various Electrodes for Energy Storage and Harvesting." He highlighted advancements in electrode materials for supercapacitors, batteries, and solar energy devices. Prof. Fabian emphasized the integration of nanotechnology to enhance energy efficiency and sustainability. His presentation inspired discussions on future collaborations and innovations in energy research.

Plenary Session II (3.00 a.m. to 4.30 p.m.): Prof. G. H. Jain, Chair-person: Dr. L. A. Patil

Dr. G. H. Jain delivered an insightful talk on "Nanomaterials: Synthesis to Gas Sensor Applications." He highlighted advanced synthesis techniques for nanomaterials, emphasizing their unique properties like high surface area, tunable morphology, and enhanced reactivity. Dr. Jain elaborated on how these features make nanomaterials ideal for gas sensor applications, ensuring high sensitivity, selectivity, and fast response times. He showcased real-world examples, including sensors for hazardous gases, and discussed emerging trends in the field. The talk concluded with a Q&A session, providing valuable insights for researchers working at the interface of nanotechnology and environmental sensing.

The seminar concluded with vote of thanks by Dr. A. B. Gite Organizing Member of the International

Seminar.

Department of Physics KKHA Arts, SMGL Commerce & SPHJ Science College, Chandwad Dist-Nashik 423 101 Maharashtra

Internal Quality Assessment Cell SNJB's K.K.H.A.Arts, S.M.G.L. Commerce & S.P.H.J. Science College, Chandwad-423 101 Dist-Nashik

PRINCIPAL SNJB's KKHA Arts, SMGL Commerce & SPHJ Science College, Chandwad

Prof. D. N. Shimpi



International Seminar on



Nanomaterial Imperatives in the New Millennium



NINM-2024

Thursday, 22nd Feb., 2024



Organized by

Department of Physics, Karmavir K.H. Abad Arts, Shriman M.G. Lodha Comm. and Shriman P. H. Jain Sci. College, Chandwad Dist- Nashik Maharashtra INDIA



Prof. Fabian Ezema
Nano Research Lab,
University of Nigeria, Nsukka,
Nigeria

Keynote Speakers & Resource Persons



Prof. Dr. L. A. Patil Ex-Principal, Pratap College, Amalner



Dr. G. H. JainACS College, Nandgaon

Convener
Prin. Dr. D. N. Shimpi

Co-ordinator
Dr. Ganesh E. Patil
Head, Department of Physics
Mob. 09403021344

Organizing Secretary

Dr. Sarika D. Shinde
Mob. 09420827860
Dr. Anil B. Gite
Mob. 09423435839

NINM-2024

Registration Link: https://forms.gle/fP5ccqDAEA4QHo419

Registration Fee: Rs. 200 (For Faculties)

Rs. 100 (For Research, UG/PG Students)





SNJB's KKHA Arts, SMGL Commerce And SPHJ Science College, Chandwad Dist- Nashik, Maharashtra- PIN-423 101

(DST-FIST Funded December-2018)

(02556) Off. 252125 Res.252126 Tel. Fax: 02556-252125

P. O. Box No.: 6 • E-mail: alccchandwad@yahoo.co.in Website: www.acschandwadcollege.com

Department of Physics

Dr. G. E. Patil

Head, Dept of Physics

E-mail: ganeshpatil-phy@rediffmail.com

Outword: ALJC/2023-24/

Date: 16/02/2024

To,
The Principal/IQAC
KKHA Arts, SMGL Comm. & SPHJ Science
Chandwad Dist.- Nashik

Sub.: To avail permission for the International Seminar on Nanomaterial Imperatives in the New Millennium (NINM-2024).

Dear Sir,

With reference to the subject cited above, the Department of Physics will be going to organize International Seminar on Nanomaterial Imperatives in the New Millennium (NINM-2024) which will be scheduled on Thursday, 22nd February 2024. Kindly avail the permission.

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Yours faithfully

Department of Physics

KKHA Arts, SMGL Commerce &
SPHJ Science College, Chandwad
Dist-Nashik 423 101 Maharashtra



श्री नेमिनाथ जैन ब्रह्मचर्याश्रम (जैन गुरुकुल) संचलित,

कर्मवीर केशवलालजी हरकचंदजी आबंड कला, श्रीमान मोतीलालजी गिरीधारीलालजी लोढा वाणिज्य व श्रीमान पी.एच.जैन विज्ञान (वरिष्ठ) आणि श्रीमान पेमराजजी दलीचंदजी सुराणा कला, वाणिज्य व विज्ञान (कनिष्ठ) महाविद्यालय नेमिनगर, चांदवड - 423 101 जि.नाशिक

T: (02556) 252125 Tele Fax (02556) 252125 P.O. Box No. 6, E-mail: alccchandwad@yahoo.in Junior College Code No. 13.01.002

Senior College Code No. 088

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(Affilliated to University of Pune) Id. No. PU/NS/AC/015/1970 Website: acschandwadcollege.com (NAAC - RE-ACCREDITED -'B')

"उत्कृष्ठ महाविद्यालय पुरस्कार 2015-16 सावित्रीबाई फुले पुणे विद्यापीठ, पुणे"

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UGC NSQF Course (B.VOC & CC) (2018-19)

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> क.के.ह. आवड कला, श्री.मो.गि.लोढा वाणिज्य व श्री.पी.एच. जैन विज्ञान (वरिष्ठ) आणि श्री.पे.द.सुराणा कला व वाणिज्य (कनिष्ठ) महाविद्यालय चांदवड, जि. नाशिक - ४२३ १०१

International Seminar on Nanomaterial Imperatives in the New Millennium (NINM-2024)

Department of Physics, K. K. H. Abad Arts, S. M.G. Lodha Comm. and Shriman P. H. Jain Science College, Chandwad Dist-Nashik Maharashtra, on 22nd Feb 2024.

09:30am to 10:00am	Registration
10:30am to	Inaugural Function
11:00am	Anchoring: Dr. S. D. Shinde
	Welcome
	Electing the President: Dr. D. N. Shimpi
	Seminar Introduction : Dr. G. E. Patil (HOD)
	Introduction of guests: Dr. S. D. Shinde
	Felicitation : 1 Prof. Fabian Ezema - Dr. D. N. Shimpi
	2. Prof. L. A. Patil - Dr. M. T. Patil
	3. Dr. G. H. Jain - Dr. G. E. Patil
	Inaugural speech 1. Prof. Fabian Ezema
	2. Prof. L. A. Patil
	3. Dr. G. H. Jain
	President Speech: Dr. D. N. Shimpi
	Vote of Thanks : Dr. A. B. Gite
11: 15am to	First Lecture : Prof. L. A. Patil
12:30pm	Chair-person : Dr. N. U. Patil
12:30 pm to	Lunch time
01:15pm	
01:30 pm to	Second Lecture : Prof. Fabian Ezema
02:30pm	Chair-person: Prof. L. A. Patl
	Vote of Thanks : Dr. A. B. Gite

K.K.H. Abad Arts, S.M.G. Lodha Commerce & S.P.H. Jain Science CollegeNeminagar, Chandwad-423101, Dist.-Nashik, Maharashtra International Seminar on Nanomaterial Imperatives in the New Millennium (NINM 2024) Date: 22nd February 2024

REGISTRATION LIST: Faculty

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	Dr. Navendra . U. Passil	Onkar M. Pardeshi	Dr. Arun S. Garde	Dr. S. J. Anson	Dr. R.S. Sancheti	Mr. Shubham Mahaje	Name of the Participant
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Date: 22nd February 2024

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K.K.H. Abad Arts, S.M.G. Lodha Commerce & S.P.H. Jain Science CollegeNeminagar, Chandwad-423101, Dist.-Nashik, Maharashtra International Seminar on Nanomaterial Imperatives in the New Millennium (NINM 2024) Date: 22nd February 2024

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Date : 22nd February 2024

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K.K.H. Abad Arts, S.M.G. Lodha Commerce & S.P.H. Jain Science CollegeNeminagar, Chandwad-423101, Dist.-Nashik, Maharashtra International Seminar on Nanomaterial Imperatives in the New Millennium (NINM 2024)

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K.K.H. Abad Arts, S.M.G. Lodha Commerce & S.P.H. Jain Science CollegeNeminagar, Chandwad-423101, Dist.-Nashik, Maharashtra

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	Sign.	Email ID	Mobile Number	College Name	Name of the Participant	Sr. No.

K.K.H. Abad Arts, S.M.G. Lodha Commerce & S.P.H. Jain Science CollegeNeminagar, Chandwad-423101, Dist.-Nashik, Maharashtra

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