

Prin. Abhaykumar Salunkhe **Chairman**
Prin. Shubhangi Gavade **Secretary**
Shri Swami Vivekanand Shikshan Sanstha, Kolhapur



VIVEKANAND COLLEGE, KOLHAPUR
(Autonomous)

Affiliated to Shivaji University

NAAC Reaccredited "A" | College with Potential for excellence | ISO 9001 : 2015



Organizing Committee

- Dr. R. R. Kumbhar – **Principal**
- Dr. G.J.Navathe – **Convener**
- Dr.S. I. Inamadkar – **Co-convener**
- Prof. (Dr.) M. M. Karanjkar – **Organizing Secretary**
- Mr. S. V. Malgaonkar – **Treasurer**
- Mr. C. J. Kamble – **Treasurer**
- Mr. A. V. Shinde – **Member**
- Mrs. A. S. Patil – **Member**
- Mr. I. M. Mulla – **Member**
- Mr. R. P. Mungale – **Member**
- Miss P. Y. Hawaldar – **Member**
- Mr. V. S. Ashtekar – **Member**
- Miss. A. U. Patil – **Member**

IQAC and Department of Physics Organize

International E-Conference On Emerging Trends In Nanoscience and Nanodevices (ICETNN-2022)

May 4, 2022 Email- icetnn2022@gmail.com



Prin. Abhaykumar Salunkhe
Chairman
Shri Swami Vivekanand Shikshan Sanstha,
Kolhapur



Prin. Shubhangi Gavade
Secretary
Shri Swami Vivekanand Shikshan Sanstha,
Kolhapur



Dr. R. R. Kumbhar
Principal
Vivekanand College,
Kolhapur (Autonomous)



Prof. Dr. P.S. Patil
Pro Vice-Chancellor
Shivaji University,
Kolhapur



Dr. Wen-Ping Peng
National Dong Hwa University,
Taiwan



Dr. Mingrui
University of New South Wales,
Australia



Prof. Dr. M. Boshta
Department at National Research
Centre, Egypt

Dr. Shruti Joshi
IQAC Co-Ordinator

[For Registration Click Here](#)

Dr. G. J. Navathe
Convener



About Organizers:-

Vivekanand College, Kolhapur was established in 1964 by Shri Swami Vivekanand Shikshan Sanstha, Kolhapur founded by Shikshanmaharshi Dr. Bapuji Salunkhe with a motto "Education for Knowledge, Science and Culture". The vision and mission statements of the college are clearly indications of the National Policy on Education demanding that centers of higher education should perform multiple roles like creating new knowledge, acquiring new capabilities and producing an intelligent human resource pool, through teaching, research and extension activities. The college is located in the prime area of the city having pleasant and healthy atmosphere. The college is reaccredited with 'A' grade by NAAC with CGPA 3.24. During the last five years the college has been recognized as the College with Potential for Excellence (CPE) twice by the UGC, and included in the Star College scheme by the Dept. of Bio-technology, Govt. of India. The college has achieved 58th Rank in India Ranking 2017 conducted by NIRF, MHRD, Govt. of India. In the year 2014-15, the college has been granted B.Voc. and Community College programs in Foundry Technology and Graphic Design/Art. This year UGC has sanctioned Animation and film making and Advanced diploma in Photography programs. The college is recognized as one of the best colleges in the university, not only in academics but also in the fields of sports, cultural, and extension activities. The college has won prestigious 'Meghnath Nageshkar Trophy' consecutively for eleven years as "the best college in the sports" in Shivaji University. The college has acquired first prize in Shivaji University Magazine competition continuously for three years. The college has won the general championship of Shivaji University Central Youth Festival continuously for ten years. The college has highly qualified and experienced faculties with research scholarship and guidance at M.Phil. and Ph.D. level

About department.

The department of Physics is one of the premier departments of this college. The department offers B.Sc. (six semesters), Astrophysics at B.Sc II, M.Sc. in Solid State Physics and well equipped separate laboratories for undergraduate, postgraduate and unique research laboratory. The department has research linkages with department of Physics, Shivaji University, Kolhapur and School of Nanoscience and technology (SNST) Shivaji University, Kolhapur. Departmental faculties are constantly involved in research activities. Most of them have been engaged in research projects, authoring books and publishing research papers in reputed international and national journals. The department is continuously striving hard for the developments of the students, scientific attitude, and sense of observations and understanding concepts of Physics. Department conducts various activities which include seminars, workshops, tests, Quiz competitions, projects, study tours remedial teaching etc. It also offers campus interview programs and placement services to students. More than 20 students of the department achieved merit ranks in the Shivaji University, Kolhapur. Besides this 24 students achieved INSPIRE fellowship of Government of Maharashtra.

About conference:

The nanomaterials are gripping in diverse fields and providing excellent outcomes in terms of different parameters. Therefore, it should be considered as the need of today to combine different ideas of researchers working in different domains to develop cost-effective and reliable technology for day-to-day life. The conference will serve as an emerging platform to share and discuss all the innovations in the nanomaterials and their applications. The conference brings together leading scientific community of Physicists, Chemists, and Biologists to share their experiences and research results about nanomaterials. It also

provides the premier interdisciplinary forum for researchers, practitioners and educators regarding the most recent innovations, trends, and concerns, practical challenges encountered and the solutions adopted in the field of nanomaterials. The conference will have sessions covering all aspects on synthesis, characterization of nanomaterials and their applications.

Focus of conference :

- 1) Synthesis and Characterization of nanostructure material.
- 2) Nanobiomaterials.
- 3) Supercapacitor and fuel cells.
- 4) Carbon nanotubes and graphene.
- 5) Photovoltaic and solar cells at nanoscale.
- 6) Quantum dot.
- 7) Nanofabrication, nanoprocessing and nanomanufacturing.
- 8) Fabrication of nanodevices for electrical energy storage.
- 9) Nanosensors.
- 10) Aerogels.

In Call for Papers:

Original paper should be emailed at icetnn2022@gmail.com on or before 30th April 2022. Research paper may be confined to A4 size paper with Times New Roman 12 font, 1.5 line spacing. Research paper consist as **Title, Abstract, Introduction, Methodology, Literature review, Results and Discussion, Conclusion, Acknowledgements, References.** Only those Research papers will be published in issue of college research journal **Vivek with ISSN number** which is accepted by external referee. **Non refundable charges Rs. 500/- should be paid extra for publication of paper** along with registration fee. All rights are reserved to the organizers for the publication of research paper.

Poster Presentation:

There will be an online poster presentation section in the schedule of conference. A clear visible poster should be present during this session. The poster should be sent on or before 30th April 2022 at email icetnn2022@gmail.com. Cash Prize will be given to best three poster presentation.

Sr.No.	Time (IST)	Program
1	10.00 am - 10.55 am	Inaugural session Key Note Address Prof. Dr. P. S. Patil Pro-Vice Chancellor, Shivaji University, Kolhapur
2	11.00 am – 11.45 am	IT1: Prof. Wen Ping National Dong Hwa University, Taiwan
3	11.50 am - 12.35 pm	IT2: Prof. Mostafa Boshta Department at National Research Centre, Egypt
4	12.40 pm - 1.25 pm	IT3: Dr. Mingrui University of New South Wales, Sydney, Australia
5	2.00 pm - 4.00 pm	Poster presentation
6	4.00 pm - 4.30 pm	Valedictory Function

Registration fees:

Teachers	30 th April	Rs.200/-
Students	30 th April	Rs.100/-
Industrial person	30 th April	Rs.500/-
Foreign delegates	30 th April	\$10 dollar

Fees will be only accepted online along with the registration form duly filled.

Bank Name- Punjab National Bank

A/C No. - 08882010011000

IFSC Code- PUNB0088810

Branch-Tarabai Park, Kolhapur.

Table of Information

Sr. No.	Content	Numbers
01	Total Participants	88
02	Female Participants	51
03	Male Participants	37

“Education for Knowledge, Science and Culture”

-Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur (Autonomous)

**IQAC and Department of Physics Organize
International E-Conference On Emerging
Trends In Nanoscience and Nanodevices
(ICETNN-2022)**

Date: 04/05/2022

Day: Wednesday

Link for the conference : <https://meet.google.com/bst-jkfa-erv>

Inaugural Session Program

Sr.No.	Time (IST)	Program	
1	09:40 am – 09:45 am	Sanstha Prayer	
2	09:45 am - 09:55 am	Welcome	Dr.G.J.Navathe (Convener)
3	09:55 am - 10:00 am	Introduction of Chief Guest	Prof. Dr. M.M.Karanjkar (Organizing Secretary)
4	10:00 am - 10:30 am	Key Note Address	Prof. Dr. P. S. Patil Pro-Vice Chancellor, Shivaji University, Kolhapur (Chief Guest)
5	10:30 am - 10:50 am	Presidential Talk	Principal Dr.R.R.Kumbhar (President)
6	10:50 am - 10:55 am	Vote of Thanks	Dr.S.I. Inamdar (Co-Convener)

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Date: 04/05/2022

Day: Wednesday

Link for the conference: <https://meet.google.com/bst-jkfa-erv>

Invited Talk Schedule

Sr.No.	Time (IST)	Sessions	
1	11:00 am – 11:45 am	Invited Tal : 1	Prof. Wen-Ping Peng National Dong Hwa University, Taiwan Chair Person of the session : Shri. S. V. Malgaonkar
2	11:50 am - 12:35 pm	Invited Talk: 2	Prof. Mostafa Boshta Department at National Research Centre, Egypt Chair Person of the session : Shri. C. J. Kamble
3	12:40 pm - 01:25 pm	Invited Talk: 3	Dr. Mingrui University of New South Wales, Sydney, Australia Chair Person of the session : Dr. S. I. Inamdar

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Valedictory Function

Sr. No.	Time (IST)	Program	
1	03:30 pm - 03:40 pm	Convener Speech	Dr. G. J. Navathe (Convener)
2	03:40 pm - 03:50 pm	Prize Announcement	Dr. S.I. Inamdar (Co-Convener)
3	03:50 pm - 04:00 pm	Vote of Thanks	Mr. A. V. Shinde (Member)



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M.Sc., B.Ed.

Principal
Dr. R. R. Kumbhar
M.Sc. M.Phil. Ph.D.

Ref. No. VCK/

Date :

To,
Prof. (Dr) Pramod S.Patil
Pro Vice-Chancellor,
Shivaji University, Kolhapur 416004.

Subject: Invitation for **key note address** at International E-Conference On Emerging Trends In Nanoscience and Nanodevices (ICETNN-2022) on May 4, 2022

Respected Sir,

Greetings from Vivekanand College, Kolhapur (Autonomous)

IQAC and Department of Physics, organize **International E-Conference On Emerging Trends In Nanoscience and Nanodevices (ICETNN-2022) on May 4, 2022.** On behalf of the organizing committee, we take this opportunity to invite you to deliver a key note address on this conference. The duration of your key note address is of 30 minutes. Inauguration program is shared for your reference. Please make your time convenient for it. We looks forward to meet you on May 4, 2022 through online mode.

Thanking you,

Dr. R. R. Kumbhar

PRINCIPAL
Vivekanand College
Kolhapur.



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M.Sc., B.Ed.

Principal
Dr. R. R. Kumbhar
M.Sc. M.Phil. Ph.D.

Ref. No. VCK/

Date :

To,
Dr. Wen-Ping Peng
Professor,
Department of Physics,
National Dong Hwa University, Taiwan
Respected Sir,

Thank you very much for accepting our invitation of the Invited Talk on the international conference organized by our college as, **International E-Conference On Emerging Trends In Nanoscience and Nanodevices (ICETNN-2022) on May 4, 2022**. The time for your talk will be of **30 minutes** and followed by **10 minutes of common discussion**. Table program of the conference is given for your reference. We believe this Indian time will suit you and we shall greatly thankful if you could make your time free for this schedule. The link of the conference will be shared to you on May2, 2022. Thank you once again.

Table Program

Sr.No.	Time (IST)	Program
1	10.00 am - 10.55 am	Inaugural session Key Note Address Prof. Dr. P. S. Patil Pro-Vice Chancellor, Shivaji University, Kolhapur.
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3	11.50 am - 12.35 pm	IT2: Prof. Mostafa Boshta Department at National Research Centre, Egypt
4	12.40 pm - 1.25 pm	IT3: Dr. Mingrui University of New South Wales, Sydney, Australia

Dr. R. R. Kumbhar
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Principal
Dr. R. R. Kumbhar
M.Sc. M.Phil. Ph.D.

Ref. No. VCK/ 157/2022-23

Date : 25/4/2022

To,

Mostafa Boshta

Department at National Research Centre,
Egypt

Respected Sir,

Thank you very much for accepting our invitation of the Invited Talk on the international conference organized by our college as, **International E-Conference On Emerging Trends In Nanoscience and Nanodevices (ICETNN-2022) on May 4, 2022**. The time for your talk will be of **30 minutes** and followed by **10 minutes of common discussion**. Table program of the conference is given for your reference. We believe this Indian time will suit you and we shall greatly thankful if you could make your time free for this schedule. The link of the conference will be shared to you on May2, 2022. Thank you once again.

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Ref. No. VCK/157/2022-23

Date : 25/4/2022

To,


Dr. Mingrui
University of New South Wales,
Sydney, Australia

Respected Sir,

Thank you very much for accepting our invitation of the Invited Talk on the international conference organized by our college as, **International E-Conference On Emerging Trends In Nanoscience and Nanodevices (ICETNN-2022) on May 4, 2022**. The time for your talk will be of **30 minutes** and followed by **10 minutes of common discussion**. Table program of the conference is given for your reference. We believe this Indian time will suit you and we shall greatly thankful if you could make your time free for this schedule. The link of the conference will be shared to you on May2, 2022. Thank you once again.

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Ref. No. VCK/ 226/2022-23

Date : 4.5.2022

To,

Prof. Dr. P.S. Patil
Pro Vice Chancellor,
Shivaji University, Kolhapur

Respected Sir,

I thank you from the bottom of my heart for taking time from your busy schedule to be the Key note speaker at our **International E-Conference On Emerging Trends In Nanoscience and Nanodevices (ICETNN-2022) held on May 4, 2022 organize by department of Physics and IQAC.** Your online presence and wise words helped magnify our cause in the best possible way. Our conference was a huge success. All thanks to your enlightening words, your research ideas, and guidance that inspired so many participants, students, researchers and as well as teachers. I look forward to our next interaction in the future. Wishing you all the best for your future endeavors.

With regards,


Dr. R. R. Kumbhar
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Ref. No. VCK/ 226/2022-23

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To,

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National Dong Hwa University,
Taiwan.

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Ref. No. VCK/206/2022-23

Date : 5/5/2022

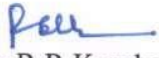
To,

Prof. Mostafa Boshta
Department at National Research Centre,
Egypt.

Respected Sir,

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Ref. No. VCK/ 226/2022-23

Date : 4/5/2022

To,

Dr. Mingrui

University of New South Wales,
Sydney, Australia.

Respected Sir,

I thank you from the bottom of my heart for taking time from your busy schedule to be the invited speaker at our **International E-Conference On Emerging Trends In Nanoscience and Nanodevices (ICETNN-2022) held on May 4, 2022** organized by department of Physics and IQAC. Your online presence and wise words helped magnify our cause in the best possible way. Our conference was a huge success. All thanks to your enlightening words, your research ideas, and guidance that inspired so many participants, students, researchers and as well as teachers. I look forward to our next interaction in the future. Wishing you all the best for your future endeavors.

With regards,


Dr. R. R. Kumbhar
PRINCIPAL
Vivekanand College
Kolhapur



“Education for Knowledge, Science and Culture”
-Shikshah Maharshi Dr. Bapuji Salunkhe
VIVEKANAND COLLEGE, KOLHAPUR
(AUTONOMOUS)
INTERNAL QUALITY ASSURANCE CELL
2021-22



Quality Initiatives/ Activities Report

1. **Name of Department:** Physics
2. **Name of Organized Activity:** International E-Conference on Emerging Trends In Nanoscience and Nanodevices
3. **Date/ Duration:** 4/5/2022 ; Time 9.40 am to 5.00 pm

Aims and Objectives: - To know and understand the advances in nanoscience, nanotechnology and development and design of different nanodevices.

4. **No. of beneficiaries:** 80 + 8 (staff members)
5. **Expenditure & funding agency:** Autonomous Grant

6. **Brief description:**

Department of Physics along with IQAC of Vivekanand College, Kolhapur conducted one day International E-Conference on Emerging trends in Nanoscience and Nanodevices (ICETNN-2022) on may 4, 2022 successfully under the guidance of principal Dr. R. R. Kumbhar sir and organizing secretary head of department Dr. M. M. Karanjkar sir.

Conference was conducted in 4 quadrants

- 1) Inaugural session program
- 2) Invited talk schedule
- 3) Poster and Paper presentation
- 4) Valedictory function

Inaugural session starts at 9.40 am with *sanstha* prayer then after convener of the conference Dr. G. J. Navathe gave welcome speech and explain the theme of conference after that organizing secretary & Head of department of Physics Prof. Dr. M. M. Karanjkar welcomed and introduced Prof. Dr. P. S. Patil, Pro-Vice chancellor of Shivaji University, Kolhapur in brief.

Prof. P. S. Patil sir in his key note address explain concept of smart materials how the optical properties changes with external stimulant also he focused on different aspects of electro chromic smart window. Also sir explained why we are facing hot sunny days nowadays.

After that honourable Principal Dr. R. R. Kumbhar sir gave presidential talk by giving excellence of college in academic, sports & culture in Shivaji University Kolhapur. The inaugural function ended by vote of thanks given by Mr. S. V. Malgaonkar.

Second quadrant of conference was invited talk, in this schedule there are three eminent speakers from different countries gave nice talk with best presentation. First invited talk was given by Prof. Wen-Ping Peng from National Dong Hwa University. The chairperson of this session was Shri. S. V. Malgaonkar sir. The title of his speech was "Detection of Antibodies of Nanomolar concentration using mass spectroscopy". He explained the mass spectra of thyroglobulin with different applications in nanodevices. Resource person answered all the questions asked by different participants. The vote of thanks to invited speaker was given by chairman of this session.

Next invited speaker Prof. Dr. Mostafa Boshta from department of national research Center Egypt focused on Metal oxide thin film synthesis and applications, he explained different synthesis technique and spray Pyrolysis technique and gas sensor. The session was chaired by Prof. C. J. Kamble. Resource person answered all the questions asked by different participants. The vote of thanks to invited speaker was given by chairman of this session.

Last invited speaker of this conference was Prof. Dr. Mingrui from University of New South Wales, Sydney, Australia. This session was chaired by Dr. S. I. Inamdar. The speaker focused on defect engineering in kesterite thin film solar cell in his lecture. Further he explained different advantages of thin film solar cell with structure and its comparison

with other thin film solar cell. Resource person answered all the questions asked by different participants. The vote of thanks to invited speaker was given by chairman of this session

After short recess of 30 min., poster presentation session were started at 2.00 pm under the chairmanship of Dr. S. I. Inamdar & Mr. Abhijeet Shind. Referee appointment for this competition were Prof. Dr. S. D. Shirke from Vivekanand College, Kolhapur and Dr. C. R. Bobade from Balawant College, Vita. Total there were 11 poster presentations registered out of which 9 posters orderly presented. External referee selected three posters for the award of poster presentation.

The valedictory function which is last quadrant were organised at 4.30 pm. In this function, convener of this conference Dr. G. J. Navathe, took review of this conference in brief. The result of poster presentation was announced by co-convener Dr. S. I. Inamdar. The vote of thanks proposed by Mr. Abhijeet V. Shinde and the international conference was over.

Outcomes:

1. Acquired research knowledge
2. Acquired knowledge of different experimental techniques
3. Interaction with eminent research world
4. Shared ideas with different resource persons



Chamble
Head of the
Department of Physics
Vivekanand College, Kolhapur

