

**Kelkar Education Trust's  
V. G. Vaze College of Arts, Science &  
Commerce (Autonomous)  
Re-Accredited ( 4<sup>th</sup> Cycle)  
by NAAC with "A" Grade**



**INTERNATIONAL CONFERENCE ON RECENT  
ADVANCES IN SCIENCE, TECHNOLOGY,  
HUMANITIES AND MANAGEMENT  
(ICRASTHM-2023)**



**February 10-11, 2023**

ALGEBRA

**Contact Us**



**vazescienceconference@gmail.com**



**<https://vazecollege.net/>**



**9511858716-Dr. Suresh N. Kadam**

**9819003404-Dr. Paresh S. More**

# ABOUT THE COLLEGE



The Kelkar Education Trust's V. G. Vaze College (Autonomous) holds the distinction of being the first affiliated college in the State of Maharashtra to be assessed for accreditation by the National Assessment and Accreditation Council (NAAC) in 1998. Since, then the college has been committed to various quality initiatives. The college has undergone NAAC accreditation four times with an "A" Grade and 3.45 CGPA in the fourth cycle in 2017.

The college has 17 Aided undergraduate, 6 Self Financing undergraduate, and 7 Post-Graduate programs. The college also offers a unique Post Graduate Diploma in Perfumery and Cosmetology and Vocational Skill Development program in Travel and Tourism. Short Term Certificate Courses are also conducted under the G. D. Kelkar Skill Development Centre and Finishing School. Vaze College boasts of 7 Ph.D centres, 33 faculties with Ph.D and more than 10 Research Guides.

## ORGANISING COMMITTEE PATRONS

**Shri. Ramesh Vaze** – Founder Trustee, Kelkar Education Trust, Mulund, India.

**Mrs. Jyoti Bhadkamkar** - Trustee, Kelkar Education Trust, Mulund, India.

**Dr. B. B. Sharma** - Incharge Secretary , K.E.T's V. G.Vaze College (Autonomous), Mulund, India.

**Mr. Gaurav Sathaye** – Member, CEC, Kelkar Education Trust, Mulund, India.

**Dr. M. R. Kurup** - Founder Principal, K.E.T's V. G. Vaze College (Autonomous), Mulund, India.

**Prof. (Dr.) Preeti Nilesh** – Principal, K.E.T's V. G. Vaze College (Autonomous), Mulund, India.

**CA Anil Naik** - Vice- Principal, K.E.T's V. G. Vaze College (Autonomous), Mulund, India.

## CONFERENCE STEERING COMMITTEE AND ADVISORS

### INTERNATIONAL ADVISORY COMMITTEE :

**Prof. Mark G. Moloney**, University of Oxford, London.

**Prof. Yong-Chein Ling**, National Tsing Hua University, Taiwan.

**Prof. Ali Ramazani**, University of Zanjan, Iran.

**Prof. Nouredine Barka**, Sultan Moulay Slimane University, Morocco.

**Dr. MD Abdul Majed Patwary**, Comilla University, Bangladesh.

### NATIONAL ADVISORY COMMITTEE:

**Prof. Deepa Khushalani**, TIFR, Mumbai, India.

**Prof. Shivram Garje**, University of Mumbai, India.

**Prof. Rajesh Kamble**, University of Mumbai, India.

**Prof. Chandra Volla**, IIT Bombay, India.

**Dr. Sunil Patange**, BAMU, Osmanabad, India.

**Dr. Madhu Chennabasapa**, SIT Tumkur Karnataka, India.

**Dr. Deu Bhang**, Shivaji University Kolhapur, India.

**Dr. D. Thirumalai**, Thiruvallurar University, Vellore, Tamilnadu, India.

## CONFERENCE STEERING COMMITTEE AND ADVISORS

### ◆ LOCAL ADVISORY COMMITTEE :

Prof. Ganesh Bhagure, Principal, Satish Pradhan Dnyansadhana College, Thane, India.

Prof. Kailash R Jagdeo, I/C Principal, K. V. Pendharkar College, Dombivli, India.

Prof. Krishnakant Waghmode, D. G. Ruparel College, Mahim, India.

Dr. Nandkishor Chandan, Siddharth College, Fort, India.

Dr. Sandesh Jaybhaiye, B. K. Birla College (Autonomous), Kalyan, India.

Dr. Datta Kshirsagar, B. K. Birla College (Autonomous), Kalyan, India.

Dr. Vijay Chavan, Ramnarian Ruia College (Autonomous), Matunga, India.

Dr. Neeta Mehta, K.E.T's V. G. Vaze College (Autonomous), Mulund, India.

Dr. Dinesh Nair, K.E.T's V. G. Vaze College (Autonomous), Mulund, India.

Dr. Adhir Ambavane, K.E.T's V. G. Vaze College (Autonomous), Mulund, India.

Ms. Vaishali Dhammapathee, K.E.T's V. G. Vaze College (Autonomous), Mulund, India.

Ms. Seema Pawar, K.E.T's V. G. Vaze College (Autonomous), Mulund, India.

### Organising Committee

**Dr. Suresh Kadam (Convener)**

**Dr. Ashok Awale (Co-convener)**

**Prof. Ajit Kengar (Co-convener)**

**Dr. Deepali Karkhanis (Co-convener)**

**Dr. Paresh More (Organizing Secretary)**

**Prof. Suresh Shendage ( Joint Organizing Secretary)**

**Dr. Vinod Ragade (Joint Organizing Secretary)**

**Mr. Sandip Kamble (Treasurer)**

**Ms. Pournima Bhangale (Joint-Treasurer)**



## Invited Talks



**Prof. Avesh Kumar Tyagi,**  
Director, Chemistry Group  
BARC, Mumbai



**Prof. Satishchandra Ogale**  
IISER, Pune



**Dr. Pellegrino Luca,**  
CNR-SPIN, Italy



**Dr. Ansul Yadav**  
CSIR - Bhavnagar, Gujarat



**Prof. Masaki Tanemura,**  
Nagoya Institute of  
Technology, Japan



**Prof. Radhakrishna Pandit**  
Savitribai Phule Pune  
University, Pune

## Valedictory Function



**Prof. Aniruddha Bhalchandra Pandit**  
Vice Chancellor ICT, UGC Professor  
(Chief Guest)

# REGISTRATION

✦ All participants are requested to register online to confirm their Participation by filling the following Google form :

<https://forms.gle/aKoTTf24hMxcxNvRA>

## ONLINE REGISTRATION FEE

CATEGORY	10 <sup>th</sup> January, 2023	AFTER 10 <sup>th</sup> to 25 <sup>th</sup> January, 2023
INDIAN DELEGATES STUDENTS/SCHOLARS	₹1000	₹1500
STAFF/SCIENTIST/ FACULTIES	₹1500	₹2000
SCIENTIST FROM INDUSTRY / PRIVATE COMPANY	₹2000	₹2500
FOREIGN DELEGATES	USD 100	USD 150
FOREIGN STUDENTS / SCHOLARS / ACCOMPANY	USD 50	USD 100

## BANK DETAILS

**Beneficiary** THE KET'S WELFARE FUND TRUST  
Bank of Maharashtra, Mulund East (761)

**IFSC Code:** MAHB0000761

**MICR CODE:** 400014060

**Account No.:** 20112219802

- ✓ Registration fees paid once will not be refunded
- ✓ Registration fees includes : Tea , Break fast , Lunch, Conference Kit, Certificate & E-copy of abstract book.

Join us on Telegram: <https://t.me/+-IRNhNe6lVtlZmJI>

Join us on Whatsapp :  
<https://chat.whatsapp.com/EPdLB3uXjtP8nURau7wviU>

# **SUGGESTED AREAS**

## **Science**

- **Material Chemistry**
- **Polymer Chemistry**
- **Green Chemistry**
- **Medicinal Chemistry**
- **Materials for Energy Applications**
- **Materials for Environmental Applications**
- **Physical properties of Materials**
- **Emerging Trends in Sensing**
- **Smart Wireless Communication**
- **Smart Electronic & Magnetic application**
- **Genomics & Bioinformatics**
- **Natural Resources & Biodiversity Conservation**
- **Toxicology & Environment**
- **Advances in Plant Sciences**
- **Biofertilizers and Organic Farming**
- **Emerging Trends in Fisheries and Aquaculture**
- **IT in Agriculture**
- **Human Computer Interaction in healthcare**
- **Cyber security and Ethical Hacking**
- **Digital Education**
- **Artificial Intelligence**
- **Advanced Bioimaging techniques**
- **Algebra**
- **Fractional & Calculus**
- **MEMS for Medical Applications**
- **Differential Equations**
- **Mathematical Modeling and Simulation**
- **Synthesis and characterization of Nanostructured materials / biomaterials**
- **Nano- magnetic materials**
- **Nano-energy materials**
- **Fuel cell materials**
- **Drug Delivery**
- **Energy Storage Techniques / Materials**
- **Nano-biotechnology in Medicine**
- **Cancer Prevention, Diagnosis & Treatment**
- **MultiFerroics-Multifunctional Materials**
- **Pharmaceutical / Environmental / Agricultural Sciences**
- **Nanophotonics**
- **Nanobiosensors**
- **Nanotechnology in Medicine**
- **Nanobiotherapeutics**
- **Wearable sensors**
- **Nanomaterials**
- **Spectroscopy for biology**
- **Optical Screening and Disease Detection**
- **Biophotonics**
- **Low level laser therapy**
- **Recent Advances in Forensic Science**
- **Plant and Animal Biotechnology**
- **Any other area related to the theme.**

# **SUGGESTED AREAS**

## **Humanities & Management**

- **Strategies in Commerce , Production, Marketing, HR, Finance, Taxation, Insurance, Investment, Banking, CSR, E-Commerce, Transport, Print Media**
- **Practices in Supply chain management, Waste Management, Cyber Security, Capital Market, Law, Hospitality & Tourism, Healthcare**
- **Trends among new startups**
- **Block Chain and Crypto Currency**
- **Big data and analytics**
- **Innovation due to Artificial Intelligence, Digital Transformation, Smart Phone**
- **Business technologies of the future**
- **Innovation in Higher Education**
- **Changes in National, Sexual, and Gender Identities**
- **Strategies in Digital Humanities**
- **Any other area related to the theme.**
- **Humanities: Towards Post Humanities–Arts, Literature and Social Sciences**
- **Strategies to Enhance the Impact of Social Sciences**
- **Aesthetic Innovations and New Literacy Genres**
- **Innovations in Nanotechnology, Genomic**
- **Innovations & Environmental Science**
- **Innovations & Entertainment Industry**
- **Innovation in Agribusiness, Transport, Water & Sanitation Sector**
- **Any other area related to the theme.**



**February 10-11, 2023**

**Program Schedule**

**DAY-1 (10/02/2023)**

8.30 am -  
9.30 am

**Registration and Breakfast**

9.30 am -  
10.00 am

**Inaugural Function**

10.00 am  
-11.15 am

**Invited talk**

**Prof. Avesh Kumar Tyagi**

**Title of the Talk - "CO2 management:  
A challenge for 21st century"**



11.15 am  
11.30 am

**Tea Break**

11.30 am  
-12.30 pm

**Invited talk**

**Prof. Satishchandra B. Ogale.**

**Title of the Talk - "Frontiers of Clean  
Energy Science and Technology: A  
Perspective"**



12.30 pm -  
1.30 pm

**Invited talk**

**Prof. Pellegrino Luca.**

**Title of the Talk - "Oxide MEMS  
(Micro-Electro-Mechanical-Systems)  
Devices"**



1.30 pm -  
2.00 pm

**Lunch Break**

2.00 pm -  
5.00 pm

**Oral Presentations**

**February 10-11, 2023**

**Program Schedule**

**DAY-2 (11/02/2023)**

9.00 am -  
10.00 am



**Invited talk**

**Prof. Masaki Tanemura.**

**Title of the Talk – “Green  
Synthesis of Metal Carbon  
Nanocomposites for Energy  
Related Applications”**

10.00am -  
11.00 am



**Invited talk**

**Dr. Radhakrishna Pandit.**

**Title of the Talk – “Bioprospection of  
LCB, Lignocellulosic biomass, its  
bioconversion into value added  
products through enzyme technology  
for sustainable development”**

11.00 am -  
11.15 am

**Tea Break**

11.15 am -  
12.15 pm



**Invited talk**

**Dr. Ansul Yadav.**

**Title of the Talk – “Membrane  
distillation process for high  
saline and wastewater  
treatment”**

12.15 pm -  
1.15 pm

**Oral Presentations**

1.15 pm -  
2.00 pm

**Lunch Break**

2.00 pm -  
3.00 pm

**Oral and Poster  
Presentations**

3.00 pm -  
3.15 pm

**Tea Break**

3.15 pm -  
3.30 pm

**Report Presentation**

3.30 pm -  
4.30 pm



**Valedictory Function**

**Prof. Aniruddha Pandit.**

4.30 pm -  
4.45 pm

**Vote of thanks and  
Feedback**


## GUIDELINES FOR SUBMITTING ABSTRACT & FULL PAPER MANUSCRIPT

1. A minimum one author of the abstract required to register, pay their registration fees, upload their fee receipt, and mandatory join the Telegram Channel.
2. Link for information about Abstract: [Click here to download](#)
3. Link for information about Full Paper Manuscript: [Click here to download](#)
4. Participants presenting abstract must ensure that the abstract should be related to the Conference theme.
5. Email Id for submission of Abstract & Full Paper Manuscript: [vazescienceconference@gmail.com](mailto:vazescienceconference@gmail.com)
6. Participants to ensure that the abstract is received by the conference mail ([vazescienceconference@gmail.com](mailto:vazescienceconference@gmail.com)) before the last date.
7. Selected full papers after peer reviewed process and having plagiarism less than 10% will be considered for publication as a chapter in edited book entitled "Recent Trends in Science, Technology, Humanities and Management" with ISBN number excluding publication charges.



Important  
Dates

Abstract Submission Starts	: 08 <sup>th</sup> December, 2022
Abstract Submission Ends	: 31 <sup>th</sup> December, 2022
Notification for Acceptance	: 05 <sup>th</sup> January, 2023
Full Paper Submission Starts	: 15 <sup>th</sup> December, 2022
Full Paper Submission Ends	: 15 <sup>th</sup> January, 2023
Registration Ends	: 15 <sup>th</sup> January, 2023



**How to reach at Venue** : Kelkar Education Trust's V.G.Vaze College of Arts, Science and Commerce(Autonomous), Mithagar Road, Mulund(East), Mumbai-400081.

## VISITING SITES



**Gateway of India**



**Kanheri caves**



**Elephanta Caves**



**Jehangir Art Gallery**