



Government of Maharashtra  
**Ismail Yusuf College**  
of Arts , Science and Commerce

Jogeshwari (East) - 400 060, Mumbai, India  
Re-accredited 'A' Grade by NAAC (CGPA-3.14)  
affiliated to University of Mumbai

Recent  
Innovations  
in  
Science and  
Technology

RIST ~ 2023



*Sustain the future...  
for thee and thine...*

- ◆ E-Conference Date: **10<sup>th</sup> and 11<sup>th</sup> January, 2023**
- ◆ Last Date for Registration: **20<sup>th</sup> December, 2022**  
Extended Date for Registration: **6<sup>th</sup> January, 2023**
- ◆ Organized by : **Science Department**
- ◆ Registration Link: **<https://forms.gle/p4R7XNQxA4qkpqxH8>**



## About the e-Conference:

The Ismail Yusuf College is glad to provide a platform through Recent Innovations in Science & Technology~2023 (RIST~2023) for promotion and exchange of ideas towards new innovations in scientific knowledge for a sustainable future. The international conference will provide a platform and help the scientific community in understanding the contemporary development in fields of Analytical, Material, Pharma, Data and Environmental Sciences.

The theme of the conference includes sessions and deliberations which would highlight new methodologies and innovations in research in the field of Science and Technology. The conference aims to bridge the gap between theoretical knowledge and practical use of materials, data and technologies in designing scientific experiments. Both learning and presentation platform will be provided to the participants in which eminent researchers, academicians and professionals from the industry will share various aspects of recent innovations in Science and Technology.

**“You only live once, but thy generations need to thrive on the planet Earth after thee!”**

## Themes:

- Analytical Chemistry Application
- Bioinformatics and Biomathematics
- Data Science
- Environmental Science
- Energy Storage Materials
- Green Technology
- Heterocyclic Chemistry
- Lifesciences
- Material Science
- Nanotechnology
- Pharmacology and Photochemistry

*\*Kindly note the conference RIST - 2023 is in **online mode**.*



## About the College:

Ismail Yusuf College, popularly known as I.Y. College, is a prestigious multi-faculty College owned and managed by the Government of Maharashtra. It is the oldest College in North Mumbai and the fourth oldest college in the city of Mumbai. It was established in 1930 with a big treasure-trove of donation from Sir Mohammed Yusuf Ismail, K.T. situated on the Jogeshwari hillock. The foundation stone of the College was laid by Sir Leslie Orme Wilson, the then Governor of Bombay in 1924. The College campus is spread over 54 acres and enjoys the immense beauty of nature with innumerable banyan, palm and other trees, rippling brooks and glittering ponds in the monsoons.

The vision of the founding fathers shaped up a temple of learning in sandstone in the regal Persian style with arches and spacious corridors, surrounded by big banyans and palms stretching heavenwards and dotting the horizon. Beginning with a moderate number of a few hundred students, today, the College has around six thousand students and the institution has been imparting education in different courses and programmes at Junior, Undergraduate, Postgraduate level and PhD level in Arts, Science and Commerce. Most of our students are first generation learners with poor economic and weak social backgrounds.

The College is abuzz with research activities with majority of its teachers equipped with Ph.D. degrees, and many of whom are recognised research guides at the University of Mumbai. The College has Science laboratories which are well equipped with highly sophisticated instruments such as Atomic Absorption Spectrophotometer (AAS), HPTLC, HPLC, UPLC, GC-MS, LC-MS, CHNS-O Analyzer, DSC, TG-DTA, FTIR, NMR, FTIR-XRD, TOC Analyzer, Auto -Analyzer and Parallel Microwave Synthesizer. The College takes special care of social and economically underprivileged students, students with special needs and slow learners through remedial coaching, bridge courses and mentoring system. The College organizes national and international conferences, seminars, workshops and lecture series on regular basis.





## Registration Details for Research Scholars and Participants:

### Participation, Registration and Submission of papers in the e-conference is FREE!

Inviting all Students, Research Scholars, Faculties, Academicians and Industry Professionals to participate with Oral/Poster presentation in the International e-Conference “Recent Innovations in Science & Technology ~ 2023” (RIST~2023). Kindly register at the link given below:

Registration Link: <https://forms.gle/p4R7XNQxA4qkpqxH8>

Last Date for abstract(poster/paper) submission and registration: 6<sup>th</sup> January, 2023 till 5:00 pm.

### Call for Papers:

To promote and encourage young students and research scholars there is no registration fee.

Submit abstract at: [erist2023@gmail.com](mailto:erist2023@gmail.com)

#### Format for abstract submission:

- Link to the template for the abstract submission: <https://tinyurl.com/2p93ny9p>

#### Format for e-Poster submission:

- Link to the sample for an e-poster: <https://tinyurl.com/58x2yea5>
- Send poster with recorded audio/video of maximum 10 minutes till: 6<sup>th</sup> January, 2023 by email at [erist2023@gmail.com](mailto:erist2023@gmail.com)

#### For oral presentation:

- Number of slides should be limited to 10 slides.
- Send recorded audio/video of the same of maximum 10 minutes until 6<sup>th</sup> January, 2023 by email at [erist2023@gmail.com](mailto:erist2023@gmail.com)

***\*Selected papers will be published in UGC Care listed journals.***

***Participants should bear the publishing charges per paper of the publisher.***

## Programme Schedule:

Date	Time	Topic and Speaker's Profile
<p style="text-align: center;"><b>10<sup>th</sup> January, 2023 (Day 1)</b></p>	<p style="text-align: center;"><b>10:00 am - 10:30 am</b></p>	<div style="display: flex; align-items: center;">  <p>           ~ Inauguration            ~ Message from Dignitaries            ~ <b>Dr. Swati Wavhal</b>, Principal            ~ Chief Guest: <b>Dr. (Mrs.) Sangeeta V Ghumatkar</b>  <i>Director, I/C, Directorate of Forensic science laboratories, Mumbai.</i>            ~ Release of Souvenir         </p> </div>
	<p style="text-align: center;"><b>10:30 am - 11:30 am</b></p>	<div style="display: flex; align-items: center;">  <p>           Keynote Address by  <b>Dr. Arvind Deshmukh</b>            Professor and Head, Department of Microbiology,            Osmanabad Sub-Center, Dr. Babasaheb Ambedkar            Marathwada, University, Aurangabad.         </p> </div>
	<p style="text-align: center;"><b>11:30 am - 12:30 pm</b></p>	<div style="display: flex; align-items: center;">  <p> <b>Dr. Dharmesh Reykundaliya</b>            Dept. of Statistics Sardar Patel University,            Vallabh Vidyanagar, Dist. Anand, Gujarat.            Topic: <b>“Biostatistics”</b> </p> </div>
	<p style="text-align: center;"><b>12:30 pm - 1:30 pm</b></p>	<div style="display: flex; align-items: center;">  <p> <b>Anukul T. Shenoy, Ph.D.</b>            Intersections Science (ISFS) Associate 2021,            NIH/NHLBI K99/R00 Pathway to Independence Fellow,            Instructor of Medicine, Pulmonary Center- Mizgerd Lab,            Boston University School of Medicine.            Topic: <b>“A tale of two cells: Lung Epithelial-            CD4+ T cell dialog in health and disease”</b> </p> </div>
	<p style="text-align: center;"><b>1:30 pm - 2:30 pm</b></p>	<p style="text-align: center;">Lunch Break</p>
	<p style="text-align: center;"><b>2:30 pm – 3:30 pm</b></p>	<div style="display: flex; align-items: center;">  <p> <b>Hanumant K. Kadam</b>            Retd. Assistant General Manager,            Rashtriya Chemicals &amp; Fertilizers Ltd. (RCF Ltd.)            Topic: <b>“Emerging skills by adopting Industry            4.0 technologies in industrial plants”</b> </p> </div>
	<p style="text-align: center;"><b>3:30 pm- 4:30 pm</b></p>	<div style="display: flex; align-items: center;">  <p> <b>Dr. Eike Reich</b>            CAMAG, Basel, Switzerland.            Topic: <b>“HPTLC and it's Regulatory Aspects”</b> </p> </div>
	<p style="text-align: center;"><b>4:30 pm onwards</b></p>	<p style="text-align: center;"><b>Oral / Poster Presentation-1”</b></p>

## Programme Schedule:

Date	Time	Topic and Speaker's Profile
<p style="text-align: center;"><b>11<sup>th</sup> January, 2023 (Day 2)</b></p>	<p style="text-align: center;"><b>9:30 am - 10:30 am</b></p>	<div style="display: flex; align-items: center;">  <div> <p><b>Dr. Naval Singh</b> Research Associate, The University of Manchester, UK.</p> <p>Topic: <b>“Soft matter transport in confined environments”</b></p> </div> </div>
	<p style="text-align: center;"><b>10:30 am - 11:30 am</b></p>	<div style="display: flex; align-items: center;">  <div> <p><b>Prof. Selby Jose</b> Head, Department of Mathematics, HBSU, Mumbai.</p> <p>Topic: <b>“Tools in Mathematics for Data Science ”</b></p> </div> </div>
	<p style="text-align: center;"><b>11:30 am - 12:30 pm</b></p>	<div style="display: flex; align-items: center;">  <div> <p><b>Dr. John Welsh</b> Xylem, USA.</p> <p>Topic: <b>“TOC Analyzer and it's applications”</b></p> </div> </div>
	<p style="text-align: center;"><b>2:00 pm – 3:00 pm</b></p>	<div style="display: flex; align-items: center;">  <div> <p><b>Dr. Roberto Marcos Perchin</b> KPM Analytics, Italy.</p> <p>Topic: <b>“Discrete Analyser in Inorganic Chemistry”</b></p> </div> </div>
	<p style="text-align: center;"><b>3:00 pm – 4:00 pm</b></p>	<div style="display: flex; align-items: center;">  <div> <p><b>Paul Iacomi</b> Senior Product Scientist, Surface Measurement Systems Ltd, UK.</p> <p>Topic: <b>“Advanced Characterization of surfaces and pores through adsorption.”</b></p> </div> </div>
	<p style="text-align: center;"><b>4:00 pm onwards</b></p>	<p style="text-align: center;"><b>Valedictory Function</b></p>



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