



**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)*



International e-Conference on  
**“Emerging Methodologies in Pharma,  
Environmental and Life Sciences”**

**EMETHPELS-2020**



**E-Conference Date: 18<sup>th</sup> and 19<sup>th</sup> June, 2020**

**Registration Link: <https://forms.gle/3U2n6g6doEdbQnWP8>**

**Last Date for Registration: 14<sup>th</sup> June, 2020**

**Organized by**  
**Departments of Botany, Zoology and Biotechnology**



## About the e-Conference:

The I.Y. College is glad to provide a platform through EMETHPELS-2020 for promotion and ventilation of ideas towards new dimension in scientific evaluation. The conference will help the scientific community in understanding the contemporary methodologies in fields of Pharma, Environmental and Life Sciences.

The methodology is the crux of any scientific evaluation. It evolves with the advent of new models, tools, techniques and ideas. Scientific methodology in recent decades is moving towards the use of more automated evaluation tools for precise and reliable results. The industry demands high-throughput methods for more accurate and efficient analysis.

The various sessions and deliberations in this Conference would certainly highlight new methodologies for research in the field of Chromatography, Spectrometry, RT-PCR and Nanotechnology. The conference aims to bridge the gap between theoretical knowledge and practical use of instruments in designing scientific experiments. A learning and presentation platform will be provided to the participants with crisp and engaging lecture series by the eminent researchers and professionals from the Industry who shall deal with various aspects of the recent developments in analytical techniques.

## Themes:

- Pharmacology
- Pharmaceutical chemistry
- Chromatography
- Spectroscopy
- Drug discovery and development
- Phytochemistry
- Bioinformatics
- Computational and Systems Biology
- Molecular and Supra-molecular Dynamics
- Analytical Chemistry Applications
- Environmental Science
- Bioremediation Biodiversity documentation Technology
- Marine Science
- Instrumentation and Research
- Natural Calamity and Human Health



## About 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., on the Jogeshwari Hill. The original campus of the College was spread over 120 acres of land which has now shrunk to 54 acres due to encroachments and the construction of the Western Express Highway, cutting the beautiful hillock on the College campus into two parts. The Campus enjoys the immense beauty of nature with innumerable banyan, palm and other trees, rippling brooks and glittering ponds in the rainy season. The foundation of the College stone was laid by Sir Leslie Orme Wilson, the then Governor of Bombay in 1924.



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 countless big abundantly bearded banyans and palms stretching heavenward, dotting the horizon. Beginning with

a moderate number of a few hundred students, today, the College has about four thousand students receiving instructions at Junior Level, Degree Level, Post-graduate Level and Research Level in all three faculties, viz. Arts, Science and Commerce. Most of our students are first generation learners with poor economic and weak social backgrounds.

The College is humming with research activities with majority of its teachers equipped with Ph.D. degrees, and many of whom are recognised research guides at the research centres of not only the University of Mumbai but many other universities across the state of Maharashtra. The College has been awarded six patents for its contribution to the field of research and development activities. The College takes special care of socially and economically underprivileged students and students with special needs through remedial coaching, bridge courses and mentoring system. The College organises state and national level seminars, workshops, conferences and lecture series on regular basis.

## Programme Schedule:

Date	Time	Topic and Speaker's Profile
18 <sup>th</sup> June, 2020 (Day 1)	10:00 am - 10:30 am	 <p>Inauguration</p> <ul style="list-style-type: none"> <li>• Message from Dignitaries</li> <li>• <b>Dr. Swati Wavhal. Principal</b></li> <li>• Release of Souvenir</li> </ul>
	10:30 am - 11:30 am	 <p>Keynote Address by <b>Dr Rakesh Kumar,</b> Director, CSIR-NEERI, Nagpur, India</p>
	11:30 am - 12:30 pm	 <p><b>“ Entry of Nanotechnology in Diagnostic arena ”</b> <b>Dr. Madhuri Sharon,</b> Director, Walchand Centre of Research in Nanotechnology &amp; Bio-nanotechnology, India</p>
	02:00 pm - 03:00 pm	 <p><b>“HPTLC and its applications”</b> <b>Dr. Melanie Broszat,</b> Scientific Business Development Manager, CAMAG, MuttENZ, Switzerland</p>
	03:00 pm - 03:45 pm	 <p><b>“Enhanced Approaches to Analytical Method Development and Management in Support of Forthcoming ICH Guidelines”</b> <b>Dr Stephanie N. Harden</b> Market Development Manager, Pharmaceutical Development and Manufacturing EMEA Waters Corporation Switzerland</p>
	03:45 pm - 04:30 pm	 <p><b>“ Biopharma with Bioaccord”</b> <b>Dr. Guillaume Bechade</b> Biopharma Field Marketing Manager Fr St Quentin</p>
	04:30 pm - 05:30 pm	 <p><b>“ Global Challenges in Environmental and Occupational Health ”</b> <b>Dr. Arthur Frank</b> Chair Emeritus &amp; Prof. in Medicine, Drexel University, Philadelphia, USA</p>



## Programme Schedule:

Date	Time	Topic and Speaker's Profile
19 <sup>th</sup> June, 2020 (Day 2)	09:30 am - 10:30 am	Poster/Oral Sessions 01
	10:30 am - 11:30 am	 <p>“ Small stories, big impacts: DNA in life science research ” Dr. G.D. Khedkar, Director, Paul Herbert Centre for DNA Barcoding &amp; Biodiversity Studies, Dr. BAM University, Aurangabad, India</p>
	11:30 am - 12:30 pm	 <p>“ CRISPR Genome Editing Technology ” Dr. Jacinta Dsouza, Chairperson, School of Biological Science, CBS, Mumbai, India</p>
	02:00 pm - 03:00 pm	 <p>“ Advances in Atomic Absorption Spectrophotometry ” Dr. Anja Jungnickel , Analytik Jena AG, Germany</p>
	03:00 pm - 04:00 pm	Oral/Poster Sessions 02
	04:00 pm onwards	Valedictory function

## Registration Details for Research Scholars and Participants:

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

To get an insight through eminent researchers and participate through Oral/Poster presentation into Emerging Methodologies in Pharma, Environmental and Life Science kindly register at the link given below.

Registration Link: <https://forms.gle/3U2n6g6doEdbQnWP8>

Last Date for abstract/poster/paper submission and registration is: **14th June, 2020 till 5:00 pm.**

### Call for Papers:

In light of this pandemic and lockdown, It's been decided that academicians, research scholars, will not be charged for e-conference registration and submission of papers. Prospective authors are invited to submit their abstracts at [emethpels20@gmail.com](mailto:emethpels20@gmail.com).

#### Format for abstract submission:

- Template for abstract submission link: <https://tinyurl.com/ycnqnqf4>

#### Format for E-Poster submission:

- Sample of E-poster link: <https://tinyurl.com/yde6v3p4>

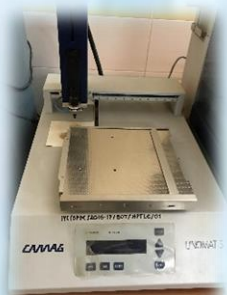
#### For oral presentation:

- No of slides should be limited to 10 slides.
- Send poster with recorded audio/video of maximum 5 minutes till 14th June 2020 by email at [emethpels20@gmail.com](mailto:emethpels20@gmail.com)

### Rules for Participants:

- Filling of the Registration form is mandatory.
- Please enter the email ID carefully as you will be receiving webinar related instructions, notifications and Certificate of Participation on the registered email ID.
- Links to the sessions will be shared a day in advance on your email id as well as 30 minutes prior to the session on Telegram app group.
- E-Certificates will be issued to the participants on or before 30<sup>th</sup> June, 2020. Attendance for both sessions is mandatory. Feedback form is to be filled immediately after the conference for the certificate to be issued.
- Full length papers will be published in Proceedings with ISBN number. Limited seats available (rights of selection are reserved with the organizer)
- All correspondence via email [emethpels20@gmail.com](mailto:emethpels20@gmail.com)

## Instrumentation facility at I.Y. College



**Application: Linomat5 + ATS4**

**Development: ADC2 + AMD2**



**Atomic Absorption Spectrophotometer**



**TLC-MS Interface2**



**Documentation: ADC2 + AMD2**



**LC-MS system**



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**Dr. Archana Rangari, Assistant Professor, Botany**

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Stay



Safe!







## EMETHELS-2020 online conference report

The International e-Conference on "Emerging Methodologies in Pharma, Environmental and Life Sciences" (EMETHELS-2020) was held on 18th and 19th June, 2020. The e-Conference was jointly organized by the Zoology, Botany and Biotechnology Departments on the occasion of the Government of Maharashtra Ismail Yusuf College celebrating its 90th Foundation Year. The College encourages interdisciplinary research and hands on training is imparted to undergraduate and post-graduate students, research scholars and faculty. The College is well equipped with various sophisticated high-end instruments and to further propagate and provide an informative platform of new methodologies in experimentation for the benefit of researchers, academicians and students the e-Conference was organized. It is heartening to know that nearly 1500 participants registered from different countries for the e-Conference in spite of the global Covid-19 pandemic. Nearly hundred Abstracts were received along with 60 full length papers. Dr. Sawti Wavhal Principal welcomed all the distinguished speakers and participants to the 2 Days International e-Conference inaugurated by Former State Minister Higher Education

Hon. Shri. Ravindra Waikar. In his speech he congratulated the College for encouraging researchers and academicians by using online ICT tools in the period of social distancing due to COVID-19 pandemic across the globe to remain connected for learning and teaching. Dr. V.N. Magare Pro-Vice Chancellor SNDT Women's University, Mumbai appreciated the IY College Principal and organizers for providing information on various instruments, tools and techniques to the scientific world for more precision and accuracy in research findings accompanied by talks delivered from eminent experts in their fields. The Keynote speaker Dr. Rakesh Kumar, Director, CSIR-NEERI, Nagpur, India addressed the delegates and the participants

On the importance of instruments and techniques which help in the analysis and find solutions to overcome major global environmental crisis. The e-Conference included 8 sessions along with oral and poster presentations. Day 1 began with Speaker Dr. Madhuri Sharon, Director, Walchand Centre of Research in Nanotechnology and Biotechnology, India spoke on "Entry of Nanotechnology in Diagnostic arena"

