

**THE FIRST PREPARATORY WORKSHOP OF
NATIONAL ONLINE CONFERENCE ON
“ADVANCES IN CHEMICAL SCIENCES AND SUSTAINABLE DEVELOPMENT”
(6th February 2021)**

The First Preparatory Workshop of National Conference on- “**Advances in Chemical Sciences and Sustainable Development**” Organised by Department of Chemistry, VPM’s B. N. Bandodkar College of Science, (Autonomous) Thane in collaboration with Department of Chemistry, Dr. Homi Bhabha State University, Institute of Science, Mumbai.

The workshop was held on **6th February 2021** and inaugurated virtually at the hand of **Prof (Dr.) Shivram S. Garje**, Associate Dean, Science and Technology University of Mumbai, Mumbai.

The workshop comprised in 3 sessions, **113** participants attended this workshop. All participants were joined google Link <https://meet.google.com/hcw-eqyk-igu> and it was streamed on you tube link - <https://youtu.be/GLoVF6M137Y>. **Views on youtube are 832**. The workshop was fully handle by our UG and PG volunteers.

The **first session** began with the virtual welcome to the guest by head of the chemistry department **Dr. D.R. Ambavadekar**. He gave information about infrastructural facility available in our college and showered inspirational words for the audience.

Dr.Gayatri Barbade , Head, Department of Chemistry , Dr. Homi Baba State University The Institute of Science , Mumbai has introduced the function and history of institute of science which is formally known as Royal Institute of Science (RIS) was established by Royal Charter.

By virtual offering garland to Late Dr. V N Bedekar, **Opening Remark** of first preparatory workshop of National Conference was delivered by **Dr. A S. Goswami-Giri**, Associate professor in Chemistry and IQAC Coordinator, VPMs B N Bandodkar College of Science, (Autonomous) Thane. She explained that college conducts two preparatory workshops before any conference for the young buddies’. These workshop assistances to inculcate scientific values and analytical thinking among the students. She said, our management leadership believes in our brain which has a capacity for learning that is virtually limitless which makes every human a potential genius. Hence to fulfill it college drives various activities. She also explained thrust areas in chemical sciences which is the theme of the conference on **April 9 & 10 2021**.

Capt.(Dr). Moses Kolet, I/C Principal, VPMs B N Bandodkar College of Science, (Autonomous) Thane was addressed the gathering and welcomed to all virtual delegates. He also appreciated cooperation and collaboration extended by Dr. Homi Baba State University, The Institute of Science, Mumbai. He also appealed to all , to participate in upcoming second preparatory workshop to be held on March 6 and conference on **April, 9 & 10 2021**.

In the **Second session**, **Prof (Dr.) Shivram S. Garje**, focused the Materials for Environmental Remediation and Sustainable Development. Sir has explained History of human, scientific development,

synthetic rubber, first crystal, fullerene, industrial evolution. He also clarified that the Minamata disease case in relation to genetic damage and its journey towards the research (Hg, cobalt containing enzyme) bio methylation reaction. He also focused on Covid-19 and sustainable development nanomaterials, conductors, semiconductors, renewable resources, supercapacitors and its applications.

Dr.Anand Malankar, Research and Development, Head, IFFCO-Personal Care Division, Dubai, delivered talk on Synthesis of compounds having fragrance and flavor with its application technology. Marvelously he explained -Brand , products, types of perfumery industries, hairs care skin care, oral care ,fragrance and deodorant, soap shower gels , color cosmetics, perfume oil, and their manufacturing process, various ingredients used in it, quality of materials characteristic. He contributed the idea about market size of materials for business beneficial.

In the **third session**, virtual tour of institutional activities, followed by six **papers were presented by young budding scientist on pharmaceutical and color chemistry in relation to sustainable development.**

The participant's doubts and queries were addressed by the speakers in **question- Answer session** which was handled by Dr. Rohini Kharade, VPMs B N Bandodkar College of Science, (Autonomous) Thane and Dr.Vikas Bangde , Dr. Homi Bhabha State University, Institute of Science, Mumbai.

The workshop was concluded with vote of thanks by Dr..Sandeep.K. Kahandal organizing secretary of the conference.



