

Report on
“NATIONAL SCIENCE DAY CELEBRATION-2020”

SUBMITTED

TO

Rajiv Gandhi Science & Technology Commission

GOVERNMENT OF MAHARASHTRA

BY

INSTITUTE OF SCIENCE, MUMBAI

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The National Science Day week was celebrated in the Institute of Science on 28th Feb 2020 we organized science exhibition in which eight to Ten working models were demonstrated by students in a group and Dr. N. M. Fatangare were invited as a referee to evaluate the exhibit. On 29th Feb 2020 we organized Essay competition in which 28 students were participated. On the occasion of National Science Day, The Institute of Science, Mumbai organized two days “National Seminar on Advanced Materials -2020 (A special contribution : Woman Scientist)” (NSAM-2020) on 3rd and 4th March 2020 in collaboration with National Gallery for Modern Arts, Mumbai and was funded by Rajiv Gandhi Commission for Science and Technology, Mumbai and NCSTC, Delhi. The theme for the multidisciplinary seminar was based on ‘Woman in Science’. On the 3rd March 2020 at the day one of the National Seminar, the Inaugural function of the program was organized by the auspicious hands of Dr. Lalitha Dhareshwar, President, Indian Women Scientists’ Association (IWSA) Former Raja Ramanna Fellow, BARC. Professor Dr. Jairam M. Khobragade Director, The Institute of Science, Mumbai, was presided over the function. Dr. Jairam M. Khobragade sir has interacted with participants and discussed on the Woman Scientist contribution in recent happenings in the field of Technology and scientific research. Also he has guided on the available opportunities for youngsters in the field of Material science. Some highlights of topics also focus by Guest of honors Dr. Kailash Rustagi, Senior Scientist, TIFR and Smt. Anita Rupavataram, Director, National Gallery of Modern Art, Mumbai in the occasion. The seminars were organized at Sir Cowasji Jehangir Public Hall, M.G. Road, Mumbai.

The welcome address was delivered by Prof Ajay Choudhari. The aim of the seminar and other activity of Science festival under taken for this year was introduce by Dr. S. B. Kulkarni. Dr. Jairam M. Khobragade delivered chairman’s address at the last. The of abstract book of the two day national seminar were inaugurated by all dignitaries of the function including Director NGMA.

Dr. Lalitha Dhareshwar, (President, IWSA) has delivered her key note address on the central theme of the NSD celebration. In her lecture she has taken the survey of woman contribution in the development of science, research and scientists in India and in the world after Independence and current development in Material Science. She guided our young generation to contribute in the development of nation through science and scientific services. She also emphasized on importance of output in research. She enlightened everyone about impact oriented research. More than 100 research students from participated in the Seminar.

The Dr. Lalitha Dhareshwar, President, IWSA at the end of the session, the vote of thanks was given by Dr. Anamika Sonavane (Kadam).



The first technical session started with first invited talk by Dr. Kavita Joshi (National Chemical Laboratory Pune). Her talk was 'Role of DFT based computation in materials research', where she explained advancement and possible applications of DFT in Material Science. The session was chaired by Dr. Shilpa Sabnis (Department of Microbiology). In the technical session after the lunch time the Second Invited talk was delivered by Baijayantimala Garnaik (Senior Scientist NCL Pune). In her talk she explained Synthesis, Characterization and Nanofabrication of Drug Conjugated Poly (L-Lactide) for

Biomedical Applications in science. In the technical session during the high tea time OP.-1 to OP.-5 Oral presentation of Ph.D. Research Scholars were arranged. The subjects explored by the participants included Chemistry, Physics, Biology and other discipline of science. The technical session was chaired by Dr. Varsha Andhare, (Department of Zoology).



At the last after the Tea break of first day the time was given for the poster presentation. Twelve participants presented their research work in the form of poster presentation. The session was chaired by Dr. Archana S. Kalekar (Department of Physics, ICT) and Dr. N. Fatangare (Department of Physics, Institute of Forensic Science).

The second day (on 4th March 2020) of the National Seminar started with words of Dr. Archana S. Kalekar from IST, Mumbai. She delivered the invited talk on the topic entitled ‘Green and cost effective synthesis of semiconductor nanostructures for energy applications’, where she presented recent developments in the area of green synthesis for energy application. She introduced everyone with the details of new era of using thin films prepared by bath method with Biologically extracted nanoparticle for conversion of solar energy. This was followed by the second invited talk of the day by Dr. Pushpinder Gupta Bhatia. In her talk she delivered the talk on the topic entitled ‘Fe-based mineral magnet oxides in bulk and nano-formulations for environmental applications’. She has emphasized on the importance of Fe-based mineral magnet oxides for energy conversion and conservation. The session was chaired by Dr. Vandna Kamble (Department of Chemistry). The Session as followed by some oral presentation by the participants. The seven participants were presented their studies in the form of oral presentation at the second day. This session was chaired by Dr. Aparna Saraf.



At the Second Session After the launch the last invited talk delivered by Prof. Vaishali Bambole (Professor & Head Department of Physics, Mumbai University). Her talk was titled 'The New Woman In Science – Successfully Combating Prejudice. She took everyone on the journey to woman scientist research and research contribution for Indian economy. Before the valedictory function few last of the oral presentation were carried out and also remaining time was given to the poster presentation. The seminar was concluded by Valedictory function Director (ISc) Dr. Jairam M. Khobragade were the chief guest of the function. Director, ISC, Mumbai and convener of the conference Dr. P.S.More, Joint-Organizing Secretary Dr. M.R. Sonawane & Mrs. S.S. Dange were concluded the function. The Certificates to the Participant given by the auspicious hands of Dr. Jairam M. Khobragade, Director (ISc) and convener and Joint-Organizing secretary of the seminars at eve of 4th March 2020.

Total of 89 participants registered from different parts of Maharashtra like Amravati, Nagpur , Pune, Jalgaon, Solapur etc for the seminar. 33 abstracts were accepted for the seminar out of which 07 presented their paper through oral presentation and 26 were allotted for poster presentation. The subjects of papers touched almost all the corners of science and technology.




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