

# B.N. Bandodkar College of Science, Thane

## Department of Chemistry and Research Committee

Report for National Conference on -

“Phytochemistry: Recent Trends and Challenges.”

14<sup>th</sup>-15<sup>th</sup> December 2012.



Department of Chemistry and Research Committee, B.N. Bandodkar College of Science, Thane, in collaboration with T D M Laboratory, Sion and International Society of Science and Technology, Mumbai, organized National Conference on , “Phytochemistry: Recent Trends and Challenges. “on 14<sup>th</sup> and 15<sup>th</sup> December 2012.

The idea behind the conference is to inccllate new production methods, to dissemination of scientific knowledge concerning all aspects of phytochemistry and to have constructing dialogue on sustainable development pathways for developing countries with special attention on the research areas. Therefore to stimulate the basic part of educational building blocks; Academicians and students, Chemistry Department organized two preparatory workshops on 11<sup>th</sup> August and 27<sup>th</sup> October 2012.

The two days conference was graced by eminent personalities from institutes, industries and universities. Overall more than 365 delegates from 6 states (Madhya Pradhesh, Karnataka, Odisha, Goa, Gujarat and Maharashtra) participated in the two days conference.

The chief guests were saluted by NCC cadets. Dr.T.A.More and Dr.R.T.Sane along with convener Dr. (Mrs.) Madhuri Pejaver and organizing secretary Dr. (Mrs.) Anita Goswami-Giri took the survey of the Botanical garden of VPM campus.

The conference was started by remembering Dr.V.N.Bedekar.

Dr. (Mrs.) Madhuri Pejaver; Convener and Principal conveyed in her welcome address for dignitaries, that the committees are working in our colleges for the inculcation of the research culture among the teachers and students.

The function was inaugurated at 10.00 am at the hands of Chief Guest Dr. T.A.More, Vice-chancellor, Krushi Vidyapeeth, Rahuri, Ahmednagar.(MS). In keynote address, Dr.More specially gave attention on hybrid plants, alkaloids, stimulators and discussed number of Indian species of plants.

The eminent personalities Dr.T.A.More and Dr.R.T.Sane were acknowledged by International Society of Science and Technology, Mumbai by conferring them with a lifetime achievement award.

The two days conference was conducted in four sessions. Each session was started with lead lecture and invited talk followed by oral presentations.

On 14<sup>th</sup> Dec. 2012, in the first session, lead lecture on genomics was delivered by **Dr. (Mrs.) Vidya Gupta**; Chief Scientist, Biochemical Division; National Chemical Laboratory, Pune. where she revealed that the secrets of fruits (Mango) flavor using Biochemical and molecular Approach. She further stated that significant changes in the genes expression at various levels related to primary metabolism and abiotic stress during the ripening stages of mango.

A incredible invited talk on proteomics was delivered by **Dr. Ashok Giri**, Sr, Scientist ,Biochemical Division NCL Pune. He explained the relevance of plant defense against the insect pests and functional implications of induced proteinase inhibitor diversity in *Capsicum annuum*. He also added that higher the number of inhibitory domains high the accumulation of specificity of inhibitors in *Capsicum annuum*.

The session was chaired by eminent scientist and professor Dr.R.T.Sane, Ex Principal Ruia College, Mumbai and Rapporteur was **Dr.(Mrs.) Debjani Dasgupta**; Director, Department of Biotechnology and Bioinformatics Padmashree D.Y.Patil Vidyapeeth, Nerul

The second session was chaired by **Prof. (Dr.) K.R. Gawai** Professor in Biochemistry, Department of Chemistry, University of Pune ,Pune and Rapporteur was **Prof. (Dr.) A.V. Karnik** Professor in Organic Chemistry, Department of Chemistry, University of Mumbai, Mumbai .

Phytochemicals reference standards for Indian medical plants; a monograph was emphasized by **Dr. D. G. Naik**, Agharkar Research Institute, Pune. The talk elaborated the importance of development of quality of standard of Indian medicinal plants in relation to authentication.

**Dr. Dimple Datta**, Scientific Officer, BARC Mumbai has targeted hyperthermia treatment using magnetic nanoparticles and stated that it is a promising field for cancer therapy.

In this session, 27 diversified scientific papers on methodological, nanotechnological, biochemical, microbial and various drugs, dyes having various activities, isolated from plants were presented by research scholars from different areas and states.

On 15<sup>th</sup> December 2012, the third session started with eminent personalities **Dr . Shashi Menon** ; Director,TDM Laboratory,Sion, Mumbai. He delivered lecture on bioanalytical Challenges in Standardization medicinal plant and the second Lead Lecture was on Phytoremediation by **Prof.(Dr.) Govindwar** ;Professor in Biochemistry, University of Kolhapur ,Kolhapur .

The session was chaired by **Dr. R. S. Yamgar**, Department of Chemistry, Patkar College of Art, Commerce & Science, Mumbai and the Repertoire was **Dr. Atul Bedekar** Director Education & Research in Chemistry, Ayurveda & Allied Sciences, Prin. B.V. Bhide Foundation, Pune.

The fourth session, commenced with **Poster Session** which was inaugurated at the hands of **Dr. P. M. Dongre** Head, Department of Biophysics University of Mumbai, Mumbai.

President, ISST Mumbai. The jury members were **Dr. Lingaraj Patro** Asso. Professor in Toxicology K B D A V College, Nirakarpur, Odisha and **Dr.Vidya Patil** Department Chemistry, Nasik

In this session, 69 authors presented their papers as posters. Post-lunch the oral presentation session was chaired by **Prof.(Dr.)R.S.Pandit**, Department of Zoology, University of Pune and Rapporteur was **Dr. SI Patel**, MVP Samaj's Arts, Science and Commerce College, Ozar (MIG), India.

Followed by poster session; 15 papers were **orally** presented by research scholars which were on cosmetics, novel methodologies and impact on human being with molecular approaches.

The last session was **Panel Discussion** session which was **Chaired by Dr. S.B Daharp** Chairman, Board Of Studies in Chemistry, University of Mumbai, Mumbai **Prof.(Dr.) R S Pandit,Dr. R. S. Yamgar,Dr. R.P Athalye** Department of Zoology, Bhandodkar College, Thane. **Dr. S.S Hussain** Professor in Life Sciences, University of Mumbai, Mumbai.

**Dr. Dnyaneshwar Waghchoure** Director, Ashwamedh Laboratory, Ahmednagar  
Dr .Balaprasad Ankamwar ,Bio-Inspired Materials Science Laboratory, Department of Chemistry, University of Pune, Pune constructive dialogues between delegates and panel was held on ethics, moral values, challenges with special attention on current status of chemistry of plants in India.

Participants were very much pleased with the information of regarding phytochemistry.

Finally with thanks giving speech by Dr. (Mrs.) Anita Goswami-Giri, Organizing Secretary and Coordinator of Research Committee the conference was concluded.

