

Rayat Shikshan Sanstha's
Yashwantrao Chavan Institute of Science (Autonomous), Satara
(Lead College of Karmaveer Bhaurao Patil University, Satara)
Sadar Bazar, Satara – 415001, Maharashtra State, India

Two Days
'INTERNATIONAL CONFERENCE ON NANO-BIOTECHNOLOGY'
(ICNB'23)
(17th –18th March, 2023)

Report

Yashwantrao Chavan Institute of Satara a Lead College of Karmaveer Bhaurao Patil University, Satara, Maharashtra, India. Under the patronages of honorable Shri Sharadchandraji Pawar and Hon. Shri. Dr. Anil Patil, Yashwantrao Chavan Institute of Science, Satara and Department of Nanoscience and Technology and biotechnology had jointly organized two days international conference on Nano biotechnology on 17th and 18th March 2023. This conference was focused on various aspects in nanobiotechnology and multidisciplinary approach in Nanoscience.

The conference was inaugurated in presence of Chief guest Prof. Dr. D. T. Shirke, Vice chancellor Karmaveer Bhaurao Patil University, Satara. President of this function was Prin. Dr. B. T. Jadhav, Principal Yashwantrao Chavan Institute of Satara. Dr. Jay Chavan, chairman ICNB 23 gives the welcome address and introductory speech. While addressing the participants, Chief guest Prof. Dr. D. T. Shirke said that, ICNB 23 covers various global issues and solution to these problems through inventions in the field of nanobiotechnology. Prin Dr. B. T. Jadhav, during his presidential address focus the importance and opportunities of nanobiotechnology in todays world. Mr. B. S. Pawar proposed the vote of thanks for this function.

For the second session of conference keynote address was given by Prof. Dr. Mohammed Mustafa, Department of chemistry, Indian Institute of Science Education and Research Pune. He mainly focus on electrified interface: challenges and opportunities. demonstrate coupling of hydrogen storage and hydrogen utilization in the same energy device by utilizing proton-coupled electron transfer in hydrogen storage molecules. He also highlighted the concept of rechargeable batteries and nonpolluting sources for sustainable energy landscape. The session was very informative and interesting. This session was chaired by Dr. Namadev Harale, S. G. M. College Karad. Dr. Ms. K. B. Pisal introduce the resource person and chair person. Dr. P. K. Pagare propose vote of thanks.

For third session of conference the resource person Prof. Dr. Mrs. N Geetha, Nano biotechnology laboratory, Manas Gangotri, University of Mysore, Mysuru delivered very nice talk on topic "The foundations of nanobiotechnology and medicine: walk through". She mainly highlighted the use of nanobiotechnology in cancer treatment and targeted drug delivery. She said, main aim of nanoformulations is to reduce the size to a nanoscale which increases the solubility, bioavailability, better absorption through the cells. This session was chaired by Dr. Rama Patukale, Sawkar homoepathic medical college satara Dr. V. M. Nalawade introduce the chief guest and chair person . Mr. D. N. Nimbalkar proposed vote of thanks.

For Fourth session of conference the resource person Prof. Dr. M.S. Nimbalkar, Department of Botany, Shivaji University Kolhapur was delivered the talk on Biological synthesis of nanoparticles: what is so special? He mainly focus on green synthesis approach of nanomaterial and their use in biomedical applications. This session was chaired by Dr. Vishwas Patil, LBS college satara. Dr. S. B. Kambale introduce the chief guest and chair person . Dr. S. K. Mujawar proposed vote of thanks.

For Fifth session of conference the resource person Prof. Dr. Jan Skakle, Department of chemistry, University of Aberdeen, Scotland United Kingdom. She talk about Nano appetites: from body to nuclear Waste. She presented work on substituted apatites as applies to medical implants, pigments, decarbonisation and remediation. For such applications, issues such as high surface area and porosity are important, and thus low temperature routes access nano-crystals. This session was chaired by Prin. Dr. Uma Nerle, Shri Kadsiddheshwar arts College and H. S. Kotambri Science institute hubali. Mr. S. D. Jituri introduce the chief guest and chair person. Mr. D. S. More proposed vote of thanks.

The day second of conference starts with the very nice and interesting topic. The resource Dr. Vivek Dhas, Cubic PV, Incorporation, Dallas, Texas, delivered the speech on topic photovoltaics: Academics to commercialization. He developed a unique solution process ink chemistry for thin film coatings on sheet-to-sheet and focus on scalability and durability of the perovskite solar cell technology. He also highlights how thin films technology can be made scalable for commercialization. This session was chaired by Dr. Gaurav Lohar, L. B. S. College Satara. Dr. S. H. Mujawar introduce the resource person and chair person. He also proposed cote of thanks.

After this session Poster presentation and Oral presentations were carried out. For these sessions Prof. Dr. T. J. Shinde, Kanya Mahavidyalaya Islampur; Dr. Kishor Gurav, Devchand College Arjunnagar; Prof. Shekhar Mohite, LBS College Satara; Dr. S. J. Pawar , Shri Vijaysinha Yadav College, Peth-Vadgaon; Dr. M. L. Ahire Y. C. Institute of Science, Satara; Dr. C. M. Kanmadi Devchand College, Arjunnagar and Dr. B. S. Shinde, KBP College, Washi; worked as examiner. There were 11 oral presentations and 112 posters by eminent scholars of different Universities and colleges.

During the last session of conference Dr. Ashok Chaugule, Department of chemistry, The New College Kolhapur delivered a talk on topic Revolutionizing drug delivery and waste

water treatment with green Nanomaterials. This session was chaired by Dr. M. L. Ahire, Y. C. Institute of Science Satara. Dr. P. V. Chavan introduce the resource person and Dr. A. S. Kadam proposed vote of thanks.

For the valedictory function Chief guest of this function was Dr. N. Geetha, University of Mysore, and President Dr. B. T. Jadhav and the gracious presence of Dr. Mrs. S. A. Bhoite, Prof. Dr. A. P. Torne, Vice Principal, Yashavantrao Chavan Institute of Science, Satara. Dr. S. H. Mujawar chairman ICNB 23 gives the welcome address and introductory speech. Winners of the oral and poster presentations were felicitated on this occasion. Dr. P. C. Mandave propped vote of thanks.

Overall during this two days international conference five invited talks by distinguished resource person were carried out. Almost 130 reserch papers were presented. This conference was gives multidisciplinary approach and explore new ideas in the field of Nanobiotechnology.