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Brief note on NTCS-24 Organised by dept. of Chemistry

5th OCS- One day extended lecture series & National Seminar on New Trends in Chemical Science (NTCS-24) organised by department of chemistry, Bhadrak Auto. College, Bhadrak with Odisha Chemical Society (OCS) was held on 29/11/2024 at 9:00 A.M. in the Chemistry Lecture Theatre (CLT), department of chemistry, Bhadrak Auto. College, Bhadrak. In this event our honourable principal, **Dr. Durga Sankar Dash, Prof. Debendra Nath Rout**. Ex- Principal of F. M. Autonomous College, Balasore and SCS Autonomous College, Puri, **Dr Ajay K. Behera**, President of Odisha Chemical Society (OCS), **Prof. Dr. Achyutananda Acharya**, Secretary-OCS, **Prof. Shashadhar Samal**, Ex-lecture in chemistry, Bhadrak College (1977 to 1992), **Dr. Rupashree Ragini Das, former president of OCS**, **Dr. Smruti Pattnaik**, joint secretary of OCS and Sr. Lecturer in Chemistry, U. N. Autonomous College of Science and Technology, Adashpur, Cuttack, invited speakers, **Dr. Bankim Chandra Tripathy**, Chief Scientist, CSIR-Institute of Minerals and Materials Technology (IMMT), Bhubaneswar, **Dr. Rambabu Dandela**, assistant professor, Institute of Chemical Technology (ICT), Bhubaneswar, **Dr. Bishnu Prasad Biswal**, Reader-F, School of Chemical Sciences, National Institute of Science Education and Research (NISER), Bhubaneswar were present. Along with them more than 250 participants from different colleges such as Stewart science college, Cuttack, A.P. College, Basudevpur, Bhadrak, Chandabali College, Charampa Mahavidyala etc., faculties, students and other dignitaries from various organisation participated making this event grand successful.

In this seminar our invited speakers shaded light not only on new trends in chemical science field in recent times that includes nanomaterials, pharma industries, chemistry involved in mineral & metallurgy, various issues related to climate, environment, water pollution but also emphasized on its potential solution through research and development in chemical sciences. **Prof. Achyutananda Acharya** discussed on issues related to the water pollution and its remedies through nanomaterials. To motivate students and audiences he also shown his team research works. **Prof. Bankim Chandra Tripathy** presented his research work that contributes to converting mineral waste into wealth i.e., useful products such as from Aluminium, Zinc mineral waste to Alum, Yellow diamond etc. and its

commercialization aspects. He also motivates students to pursue carrier in chemistry and setting up start-ups using chemistry ideas. **Prof. Rambabu Dandela**, illustrated his research work and recent development in the field of drug discovery and its stand on market. **Dr. Bishnu Prasad Biswal**, discussed his recent work on co-valent molecular framework (COF) and its potential application in the field in mitigating water pollution, storage of m-RNA etc. Overall, this seminar was full of knowledge sharing, discussing recent trends in chemistry, future aspects etc.

We believe that this national seminar will be beneficial for students, society and related stake holders in the field in motivating them to give focus in solving future challenges, to pursue higher education and research fields. Overall, the department of chemistry successfully organised the one day extended lecture series & national seminar. Many thanks to all the student, faculties of department of Chemistry, Odisha Chemical Society (OCS) and Principal, Bhadrak Auto. College, Bhadrak for their kind support and motivation.

Below are few pictures of the NTCS-24 seminar



Image 1; Rangoli's made by Students from the department of chemistry depicting NTCS-24, logo of Bhadrak Auto. College and OCS



Image 2; In the image at left; (from the left) Dr. Ajay k. behera (OCS President), Dr. Durga Shankar Dash (President), Dr. Padmanava Patri (H.O.D), Prof. Achyutananda Acharya (Secretary, OCS), Dr. Laxmikanta Naik (Organising Secretary).



Image 3; H.O.D, Dr. Padmanava Patri felicitating delegates (left); Dr. Bishnu Prasad Biswal, (Right Upper); Dr. Rupashree Ragini Das, (Right down); Dr. Bankim Chandra Tripathy and Dr. Debendra Nath Rout.



Image 4 ;, President OCS and Dr. Shasadhar Samal giving appreciation certificate to Dr. Padmanava Patri (H.O.D) for organizing the seminar (left image), Group photo of all the speakers with faculties and students of department of Chemistry, Bhadrak Auto. College, Bhadrak.