

TITLE - Webinar on "How Green Chemistry Practices can help Steer to a Sustainable

Future"

Date: 23rd September 2021 **Venue**: Online mode

Resource Persons: **Dr. Hemant Choudhary,** *Scientist at Sandia National Laboratories, USA*

Dr. Choudhary is currently working as Scientist at Sandia National Laboratories, USA. He received his Ph.D. in Materials Science from Japan Advanced Institute of Science and Technology (JAIST), Japan in 2015 and had been a JSPS fellow for PhD and Post-doctorate. Thereafter he joined Prof. Robin D Rogers' research group at McGill University, Canada and The University of Alabama, USA. He, so far, holds 9 patent and patent applications and has published 27 peer reviewed articles and 1 book chapter in chemical and materials science.

The session started with a brief introduction of Dr. Choudhary by Dr. Jaya Tuteja and following that Dr. Choudhary shared his academic background and places he encountered during his course of study. His talk was majorly focused on green chemistry importance and its implication in our day to day life. He educated our students to plan their reactions well on paper before entering the lab that would save up the chemicals and in turn our environment. He guided them to work on a minimal scale in order to decrease the chemical waste and replacing the carcinogenic reactants with the safer and greener one.

In his talk he emphasized on the recent crisis of fuel sources, strong urge to develop renewable fuel precursors, how to handle nuclear generated waste, utilization of catalysts for various organic/inorganic transitions, implication of ionic liquids as greener solvents and many more. Overall it can be summarized that the lecture was very much beneficial to the listeners, we had more than 50 participants in the talk including faculties, students from various batches, and 2 of renowned faculties form University of Delhi.



