### DR. AMBEDKAR COLLEGE, DEEKSHABHOOMI, NAGPUR

#### DEPARTMENT OF CHEMISTRY

#### AMERICAN CHEMICAL SOCIETY INTERNATIONAL STUDENTS CHAPTER

### **CHEMINSPIRE 2024**

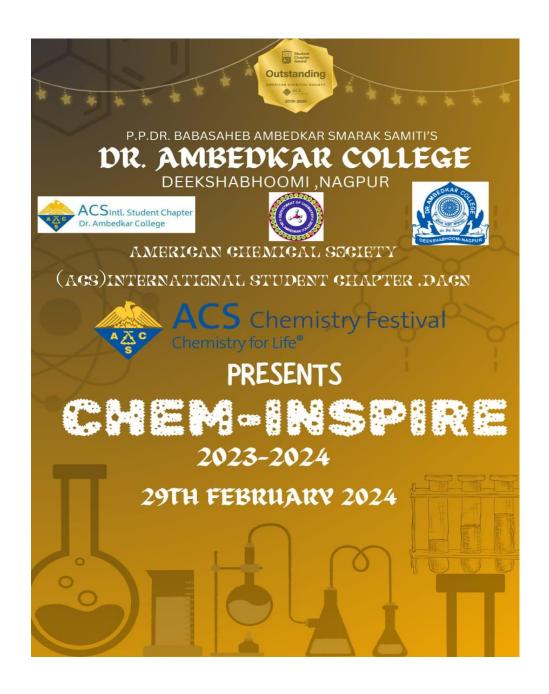
Name of Program : ACS Chemistry Festival (CHEMINSPIRE 2024)

Organised by : American Chemical Society International Student Chapter

**Venue of Program** : Department of Chemistry

**Date of the Program** : February 29<sup>th</sup> 2024

**Number of Participants** : 43



## **REPORT**

On the eve of National Science Day, ACS International Student Chapter, Dr. Ambedkar College organised ACS Chemistry Festival CHEMINSPIRE 2024 on February 29<sup>th</sup>, 2024. CHEMINSPIRE, an initiative aimed at fostering interest and understanding in chemistry among school students, conducted a series of engaging experiments. These experiments were designed to demonstrate fundamental concepts in chemistry while encouraging hands-on learning and inquiry-based exploration. This time students of South West School were invited in the department for Cheminspire activity.

Dr. Deepa Panhekar gave a brief about ACS and the activity to the students of South West School. Students were introduced to various equipment commonly found in a chemistry lab, such as beakers, test tubes, pipettes, and Bunsen burners. They learned the purpose of each piece of equipment and how to handle them safely. Moreover, students were given a glimpse of a well-equipped chemistry lab, showcasing modern instruments like spectrophotometers, centrifuges, and Colourimeter. They were informed about the functionalities of these instruments and their roles in conducting advanced experiments and analyses.

Before conducting any experiments, CHEMINSPIRE prioritized safety by thoroughly explaining lab safety rules to the students. These rules covered essential aspects such as: Personal Protective Equipment (PPE), Handling chemicals, Equipment usage etc. Chapter members gave unperson demonstrations to the students of the 43 students of South West School along with the teachers. Demonstrations included Harry Potter, Superstition, Food Adulteration, Chemical Chameleon, Golden Rain, Thunder in the test tube, Lava Lamp generated scientific curiosity among students and have become extremely popular. By fostering interest in chemistry at an early age, CHEMINSPIRE aims to inspire the next generation of scientists and innovators.

The success of the CHEMINSPIRE program was made possible by the hard work and dedication of its members in preparing the experiments. Members invested significant time and effort into: Experiment selection, Material Procurement, Experiment setup, documentation and evaluation. ACS chapter students were guided and supervised by Dr. Deepa Panhekar (HOD Chemistry and Faculty Advisor, ACS International Students Chapter), Dr. Ratnnadeep Sawant (Faculty Co-Advisor) and Mr. Parag Panse (Assistant Professor), Dr. Pravin Deharkar (Assistant Professor), Ms. Karuna Shahani (Assistant Professor) and non-teaching faculty.

# Some glimpses of the activity shown:











