

## DR. AMBEDKAR COLLEGE, DEEKSHABHOOMI, NAGPUR

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### Department of Chemistry

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| Name of Program        | : 10 Days Training on “Soil Testing & Analysis”                                   |
| Organised by           | : Department of Chemistry, Dr. Ambedkar College, Nagpur                           |
| Under the aegis of     | : American Chemical Society Intl. Students Chapter, DACN                          |
| In Collaboration with  | : College of Agriculture, Nagpur  |
| Venue of Activity      | : Soil Science and Agricultural Chemistry Section, College of Agriculture, Nagpur |
| Date of Activity       | : 6th Dec – 15th Dec 2021   |
| Number of Participants | : 20  |

### REPORT

Soil Science and Agriculture Chemistry section of College of Agriculture, Nagpur in collaboration with Department of Chemistry, Dr. Ambedkar College, Nagpur under the aegis of ACS (American Chemical Society) Intl. Student Chapter, organized a short training of 10 days on “Soil Testing and Analysis” for the UG and PG students at the College of Agriculture, Nagpur from 6<sup>th</sup> Dec – 15<sup>th</sup> Dec 2021. This training program was carried out as a part of a project “**Lab to Land**” which was framed by both the institutions. This training program was aimed to give hands-on training on drying, separating and performing chemical tests of 10 soil samples which was previously collected from 10 different farmlands. In this training program, students have performed various chemical tests and instrumental analysis to determine concentration of nitrogen by Micro-Kjeldahl distillation apparatus, phosphorous, sulphur, Carbon value, carbonates, soil pH values, potassium concentration, electrical conductivity and. After the completion of this training on soil testing and analysis, a report card of 10 different soil samples have been distributed to their concern farm owners along with recommendations suggested for increasing crop yield based upon the soil analysis. This program was organized under the guidance of Dr. Mrs. Deepa Panhekar, Head of Chemistry Department and Faculty Advisor- ACS Intl. Student Chapter DACN, Dr. W. P. Badole, Professor and Head of Soil Science and Agriculture Chemistry section at the College of Agriculture, Nagpur along with Department Faculty members Dr. Ratnadeep Sawant, Mr. Parag Panse. Students of M.Sc. and B. Sc. Chemistry Mayuri Shingarwade, Anjali Sontakke, Pallavi Helonde, Adinath Jichkar, Kunal Choudhari, Swati Chavhan, Ravindra Kharabe, Shriya Thakre, Janhavi Gawande, Anuj Jain, Anisha Rokade, Himanshu Bathav, Himanshu Dhawade, Ritu Patle, Srushti Wandhare, Anushka Chinchmalatpure, Ankita Patel participated in this 10 days training program on soil testing and analysis.



**Images:** Students performing Soil testing and analysis in the Soil Science and Agricultural Chemistry Section, College of Agriculture, Nagpur and the faculty members participating this program