

Installation of Atomic Absorption Spectrophotometer with Graphite Furnace and High Energy Ball Mill at ICAR-Indian Institute of Soil Science, Bhopal

Advanced instrument 'Atomic Absorption Spectrophotometer with Graphite Furnace (AAS)' and High Energy Ball Mill were installed on 14th and 15th June, 2022, respectively at ICAR-Indian Institute of Soil Science, Bhopal. The AAS was installed in the Division of Soil Chemistry and Fertility and High Energy Ball Mill was installed in the Nanotechnology Laboratory. The AAS will be used for the assessment of soil health, and advanced research on micronutrients and heavy metals. Dr. Ashok K Patra, Director, ICAR-IISS, Bhopal inaugurated the AAS. Dr. J S Mishra, Director, ICAR-DWR, Jabalpur; Dr K G Mandal, Director, ICAR-Mahatma Gandhi Integrated Farming Research Institute, Motihari, Bihar; Dr K C Sharma, Principal Scientist & I/c, Head, Regional Centre, IARI, Indore; Dr Ajay K Bhardwaj, Principal Scientist, ICAR-CSSRI, Karnal were present on the occasion. Dr AK Biswas, Head, Division of Soil Chemistry and Fertility and scientists of the Division were present during the installation. Distinguished visitors interacted thoroughly about the possible use of the AAS and also elaborated on how the institute could play a key role in the research and advisory on micronutrients and heavy metals. The High Energy Ball Mill will be used for the preparation of nano particles by 'Top Down Approach' in bulk quantity. On this occasion, Dr. Ashok K Patra, Director, ICAR-IISS, Bhopal, Prof. Raksha Pal Singh, VC, SKRAU, Bikaner, Dr. (Mrs.) Prachi Misra Sahoo, PS, ICAR-IASRI, New Delhi, Dr. (Mrs.) Banjul Bhattacharyya, HOD, Department of Agricultural Statistics, BCKV, Mohanpur, Dr. B.M.K. Raju, PS, Section of Design & Analysis, ICAR-CRIDA, Hyderabad, Dr. Tapan Adhikari, Dr. K. M. Hati and Dr. J.K. Saha and other staff of the institute were present. Distinguished visitors interacted thoroughly about the protocol and operation of the instrument for nanotechnology research in the field of agriculture.

