

Webinar 2021 Indian Society of Analytical Scientists

Inauguration of ISAS, Pune Chapter Invited Talk:

In Association with ISAS, Nagpur Chapter



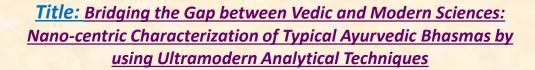
Invited Speaker <u>Dr. D. P. Amalnerkar</u> Prof Emeritus, Technology Dept, SPPU



Chief Guest Dr. S.F. Patil Former VC NMU and BVDU



President, ISAS Dr P.P.Chandrachoodan



While exploring healthcare applications of nanomaterials, it is intuitively sensed that therapeutic properties of metal based ayurvedic compositions might be associated with the nano-scale features. To bridge the gap between vedic and modern sciences, extensive physico-chemical investigations were performed on Swarnabhasma, Roupyabhasma and Jasadbhasma (prepared in accordance with traditional ayurvedic protocol *in toto*) using ultramodern analytical tools. X-ray Diffractometry (XRD), Field-Emission Scanning Electron Microscopy (FESEM), X-ray Photoelectron Spectroscopy (XPS), Field-Emission Transmission Electron Microscopy (FETEM), High-Resolution TEM (HRTEM), Scanning Transmission Electron Microscopy (STEM) with High Angle Annular Dark-Field (HAADF) and Elemental Mapping were predominantly employed to judge structure, texture, morphology and elemental/chemical composition & distribution in such metal based formulations.



- Brief PROGRAMME Schedule
 - Welcome & Deep Prajwalan
 - Inauguration & ISAS Geet
 - Address by Chief Guest
 - Remarks by President and Vice president
 - Invited talk followed by Discussion
 - Vote of Thanks

Saturday, 2 October 2021 at 7 p.m. Link: https://meet.google.com/cwn-okfi-tzo



Vice President, ISAS <u>Dr Raghaw Saran</u>



Chairman, Nagpur Chapter Dr A. V. Bharti



Chairman, Pune Chapter Dr Nilima Rajurkar



Secretary, Pune Chapter Dr Avinash Kumbhar



Treasurer, Pune Chapter Dr Sunil Hande