

Webinar 2021

Indian Society of Analytical Scientists

Inauguration of ISAS, Pune Chapter

Invited Talk:

In Association with ISAS, Nagpur Chapter



Invited Speaker

Dr. D. P. Amalnerkar

Prof Emeritus,

Technology Dept, SPPU



Chief Guest

Dr. S.F. Patil

Former VC

NMU and BVDU



President, ISAS

Dr P.P.Chandrachoodan

**Title: Bridging the Gap between Vedic and Modern Sciences:
Nano-centric Characterization of Typical Ayurvedic Bhasmas by
using Ultramodern Analytical Techniques**

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, Rupyabhasma 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**

Dr Raghav Saran



**Chairman,
Nagpur Chapter**

Dr A. V. Bharti



**Chairman,
Pune Chapter**

Dr Nilima Rajurkar



**Secretary,
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Dr Sunil Hande