

2<sup>nd</sup> International Conference on

# NANOMATERIALS AND NANOTECHNOLOGY

November 18-19, 2021 | Webinar

## Nanotechnology and Nanobiotechnology: Their significance in Pharmaceutical Industry

**Nalini Kanta Saho**

Principal of SRM Modinagar College of Pharmacy, India.

**B**IA techniques are widely used to quantify drugs and their metabolites in plasma matrices and the methods should be applied to studies in areas of human clinical and nonhuman study. BIA techniques are employed for the quantitative estimation of drugs and their metabolites in biological media and plays an important role in estimation and interpretation of bioequivalence, pharmacokinetic, and toxicokinetic studies. The major work is method development, method validation, and sample analysis. Every step in the method must be investigated to decide the extent to which environment, matrix, or procedural variables can interfere the estimation of analyte in the matrix from the time of setup to the time of analysis. Techniques such as high pressure liquid chromatography (HPLC) and liquid chromatography coupled with double mass spectrometry (LCMS-MS) can be used for the bioanalysis of drugs in body. Each of the instruments has its own merits and demerits. Chromatographic methods are HPLC and gas chromatography have been mainly used for the bioanalysis of small/ large molecules, with LC/MS/MS. Linearity, accuracy, precision, selectivity, sensitivity, reproducibility, and stability are some of the regularly used parameters. More over the technique is proposed to add some points regarding bioanalytical method development and validation parameter, beneficial to quality assurance to determine the drug, concentration and its metabolite in reference to biomolecules.

### Biography:

Nalini Kanta Sahoo, working as Professor & Principal in one of the leading college (SRM Modinagar college of Pharmacy) affiliated to SRMIST (Deemed to be University) in their Delhi-NCR Campus. He is at present with experience of 15 years in (Academics, Administration and Accreditation, Training and Research) and taking care of all the Quality research strategies at the Institutions. He has published around 60 research and review articles in International journals of high repute (maximum covered in scopus, WoS, pubmed). He published two books of international repute. He attended more than 40 International and national conferences. He is serving as scientist with Vision Science Research Sdn.Bhd., Malaysia. He is president of Indian Pharma educational society, central Zone Telangana. He is advisory board member of so many research organisations like YGMRO (Chennai), ABM PHD Research Network, NFPS, Research Edit, Trans Integra, Sci tech central, Endling conferences etc. He is Editorial board member of 60 International journals.