Aims & Scope
Nanotechnology is becoming more important day by day in diverse science disciplines of science. In the field of medicine, nanotechnology is valuable in disease diagnosis and treatment. The nano carriers display novel characteristics and functions because of their small dimension i.e. surface modification, increased solubility etc. Nano carriers can offer targeted approach along with enhanced aqueous solubility, improved drug release and bioavailability. It can also provide shield to the drug from environmental conditions and reduction in adverse effects. These nanocarriers can be administered through any route and also allow for rapid-formulation development. These advances can revolutionize the field of formulation preparation. In addition to solubility improvement and enhancement of stability, nanocarriers may broaden a formulator’s action and can combine API with varying degrees of hydrophilicity/lipophilicity.

As the advancement in drug discovery constantly yielding novel structures with improved efficacies, their solubility poses one of the most difficult challenges for formulators. Further, the drugs with poor aqueous and organic solubility pose dual problem. Traditional techniques have been of little help in increasing their solubility. In the present scenario, nanocarriers can be of help as they can improve the solubility of thereby improving efficacy mainly through nano carriers based system. Along with the recent advances in formulation development, there is an urgent need for developing nanoscale materials for pharmaceutical usage.
Sub topics

Following sub topics include several facets for nano carriers in drug delivery however being an ever expanding field, the research is not limited within this boundary.

- Polymer-based nano carrier
- Lipid-based nanocarriers (Solid lipid nanoparticles and nanostructured lipid carriers)
- Green nanocarriers
- Metallic nanocarriers (Gold and silver)
- Liquid crystalline systems
- Nanosuspensions / Nanoemulsion
- Nano-transferosomes / Nanoliposomes/ Nano-niosomes
- Nanosponges

Publication timelines:

- Title and abstract due: August 31, 2019
- Manuscript due: October 15, 2019
- First round reviews: November 15, 2019
- Final manuscript due: December 10, 2019
- Publication: January 2020