

## **Citation (summary) on the outstanding research work**

### **To whomsoever it may concern**

**Prof. (Dr.) Sunil Jalalpure:** research excellence in the field of Pharmaceutical Science.

Nanoscale materials have received considerable attention by Indian and International scientists, because their structure and properties differ significantly from those of atoms and molecules as well as those of bulk materials. His current research is focused on design of multifunctional nanosystems. To mention few which are enlisted below:

- Green chemistry method was used for synthesis of metallic nanoparticles (Gold & Silver) by using plant extract as a reducing source, which makes them useful for many biomedical applications like in treatment of cancers (fibrosarcoma), osteoinduction property, antibacterial activity etc.,
- Development of novel drug delivery systems (NDDS) for plant actives and extracts has been attempted. Wherein, the variety of novel herbal formulations like polymeric nanoparticles, liposomes, solid lipid nanoparticles, transferosomes, and ethosomes is formulated for the treatment of gout and various cancers (Skin, liver & glioblastoma).
- Analytical and bioanalytical method development and validation for various herbal phytoconstituents and synthetic drugs by using HPLC, UPLC method and their application in the analysis of rat or human plasma and various nanoparticulate system.

### **Collaborative Research Project ongoing:**

- Effect of triphala (polyherbal formulation) in the management of arthritis- a clinical trial, with KLEU's Shri BMK Ayurveda Mahavidyalaya, Belagavi. (Clinical study)
- In vitro anticancer potential of curcumin based analogues, Reva University, Bengaluru.
- AMS-OIL; A WONDER OIL: Pharmacological and cellular analyses for its extensive therapeutic effects, Amsar Private Limited, Goa.

- Effect of Polyherbal gel in the management of dysmenorrhea. This study has been initiated in association with Pamawell LLP Bangalore, a start-up based company. (Clinical study)

**Citations Received:**

	<b>Google scholar</b>	<b>Scopus</b>
<b><i>Total citations</i></b>	3441	1904
<b><i>h-index</i></b>	33	23
<b><i>i-index</i></b>	83	-