

Faculty of Health & Medical Sciences



Dr. Varidmala Jain
School Research Co-ordinators

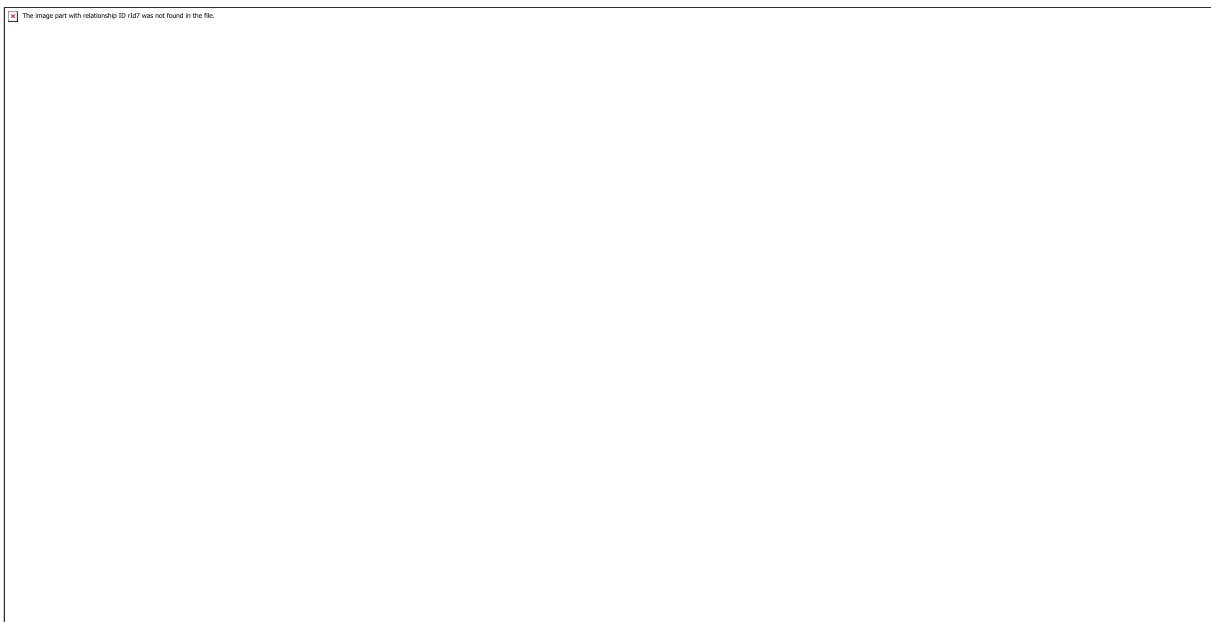


Dr. Udaya Pratam Singh
School Research Co-ordinators

Since the establishment in 2002, Department of Pharmaceutical Sciences has achieved many milestones in the field of academics and research. The faculty member have contributed more than 200 high quality publications with cumulative Impact Factor of more than 350 in reputed scientific journals in Royal Society of Chemistry, Springer, Elsevier, French Mycological Society, Biomed Central, Wiley Interscience, Nature Publishing Group, Taylor & Francis, Informa Healthcare, Bentham Science and many more.

The significant Research Achievements are:

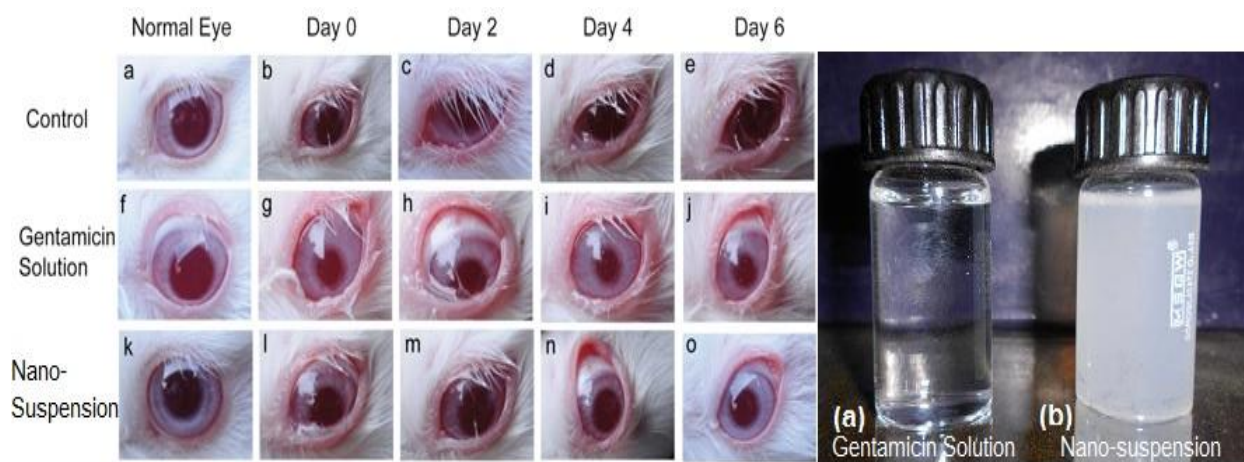
1. Developed Nano-ointments Gentamicin-Graphene Nano-composite for the effective treatment for the topical bacterial infections.



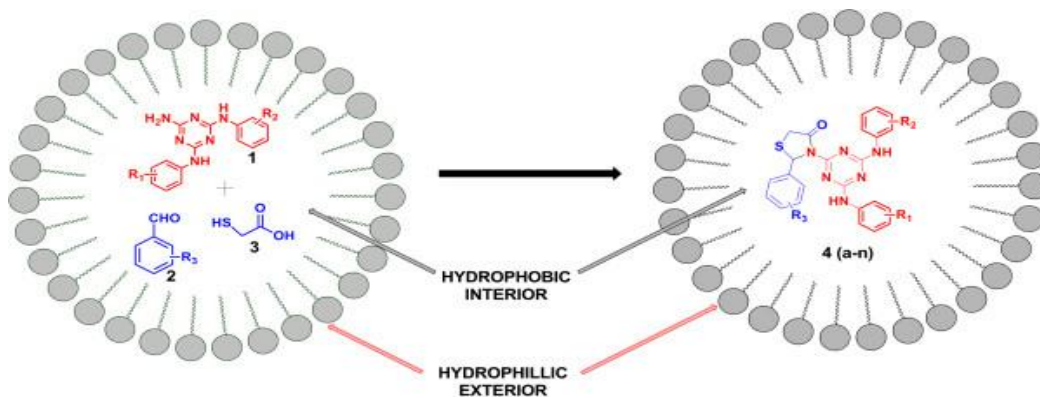
2. Discovered 4-aminoquinoline-1, 3, 5-triazine hybrid class of drugs as Potent Antimalarial agents.



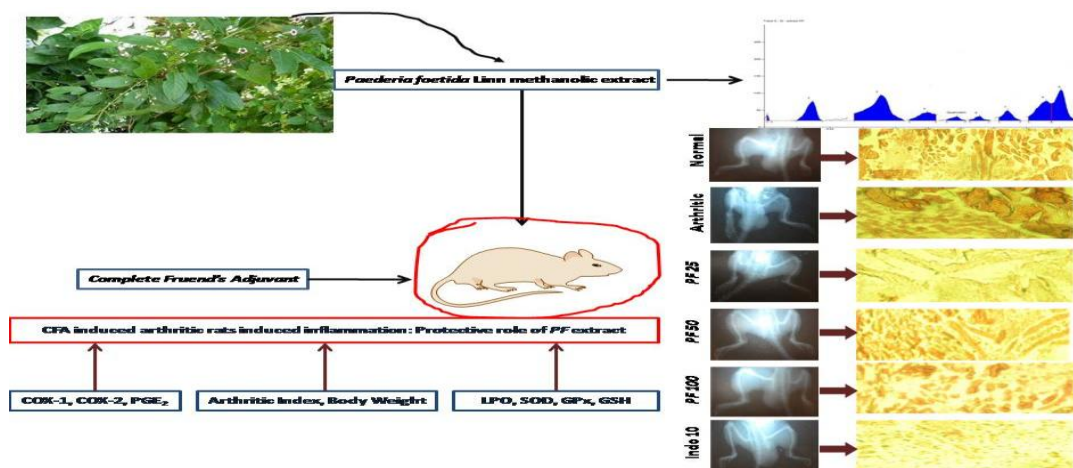
3. Developed Nano-suspension of Antibiotic Gentamicin sulphate for the effective treatment of infections of Anterior segment of Eye.



4. Developed Home Laundry Effluent (HLE) as catalyst for the synthesis of Various Heterocyclic compounds.

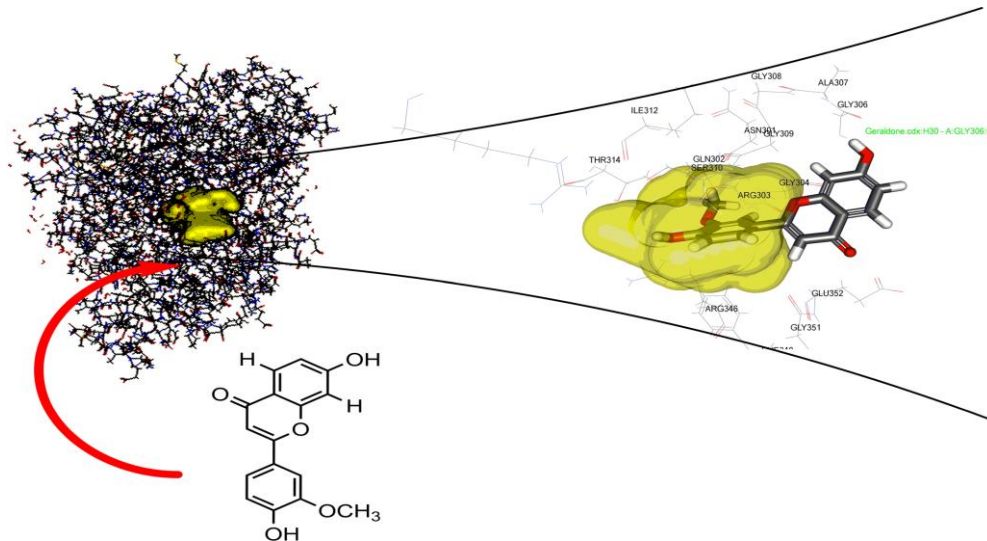


5. Discovered a Highly potent Analogues of 1, 3, 5-triazine as Antibacterial agents acts via Inhibition of Bacterial Translation.

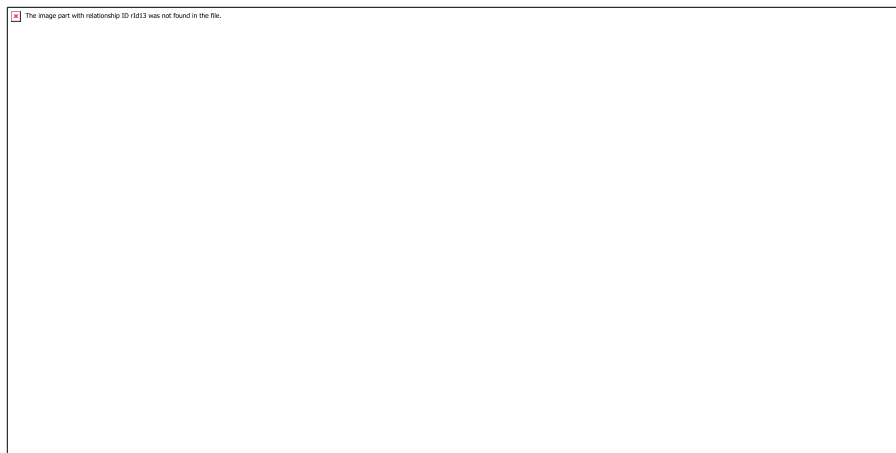


6. Developed CAN catalysed Multi-component synthesis of 1, 3,-thiazine as IspE Kinase Inhibitor.

7. Target guided isolation, in-vitro antidiabetic, antioxidant activity and molecular docking studies of some flavonoids from *Albizzia Lebbeck* Benth. bark.



8. Developed Mesoporous Silica Nanoparticles Loaded with Doxorubicin for the Pulmonary Infection.



9. Discovered Phenyl Hydrazone class of Drugs as Potent Anti-HIV agents than Etravarine.
10. Developed a novel computational strategy for the discovery of targeted Anti-HIV and Anti-Malatrial Agents.
11. Developed One-pot synthesis of hybrid thiazolidin-4-one-1,3,5-triazines as potent antibacterial agent.
12. Discovered thiazolidine derivatives as Highly Potent anti-diabetic agent acting via inhibition of DPP-4.

Awards and Honors

- ❖ ICAR Best Research Scientist Award 2014 conferred to Dr. Suresh B. G., Professor, Department of Genetics & Plant Breeding for developing high yielding, moderately resistant rice varieties (Good for cooking quality).
- ❖ Dr. Udaya Pratap Singh awarded with Best Three Articles in “Top25 Most Downloaded Articles” Certificate from French Mycological Society, Elsevier for the year 2012-13.
- ❖ Dr. Udaya Pratap Singh has awarded with honorary membership from Royal Society of Chemistry (UK), International Society for Infectious Diseases (USA), International Parkinson and Movement Disorder Society (USA), European Respiratory Society (Switzerland). He was also invited by European Cystic Fibrosis Society for 8th European CF Young Investigator Meeting 2014 at Pasteur Institute, Paris (First Non-European).
- ❖ Dr. Hans Raj Bhat awarded with honorary membership from Royal Society of Chemistry (UK).
- ❖ Mr. Danish Ahmed awarded with membership from European Respiratory Society (Switzerland).

