

### Publications-2020

<b>Title</b>	<b>Authors Name</b>	<b>Journal</b>	<b>Year</b>	<b>Collaborator</b>	<b>IF</b>	<b>Weblink</b>
Development of modified apple polysaccharide capped silver nanoparticles loaded with mesalamine for effective treatment of ulcerative colitis.	Kaur G, Singh SK, Kumar R, Kumar B, Kumari Y, Gulati M, Pandey NK, Gowthamarajan K, Ghosh D, Clarisse A, Wadhwa S.	Journal of Drug Delivery Science and Technology	2020	<ul style="list-style-type: none"> <li>• Lovely Professional University, Punjab.</li> <li>• University of Technology Sydney, Australia</li> <li>• NIPER, Hyderabad, India</li> <li>• Macquarie University, Australia</li> </ul>	2.734	<a href="https://www.sciencedirect.com/science/article/abs/pii/S1773224720312697">https://www.sciencedirect.com/science/article/abs/pii/S1773224720312697</a>
Effect of co-administration of probiotics with guar gum, pectin and eudragit S100 based colon targeted mini tablets containing 5-Fluorouracil for site specific release	Kumar A, Gulati M, Singh SK, Gowthamarajan K, Prashar R, Mankotia D, Gupta JP, Banerjee M, Sinha S, Awasthi A, Corrie L.	Journal of Drug Delivery Science and Technology	2020	<ul style="list-style-type: none"> <li>• Lovely Professional University, Punjab.</li> </ul>	2.734	<a href="https://www.sciencedirect.com/science/article/abs/pii/S1773224720312934">https://www.sciencedirect.com/science/article/abs/pii/S1773224720312934</a>
Fail-safe nano-formulation of prodrug of sulfapyridine: Preparation and evaluation for treatment of rheumatoid arthritis.	Kapoor B, Gulati M, Singh SK, Khatik GL, Gupta R, Kumar R, Kumar R, Gowthamarajan K, Mahajan S, Gupta S.	Materials Science and Engineering: C	2021	<ul style="list-style-type: none"> <li>• Fortis Hospital, Punjab</li> <li>• Lovely Professional University, Punjab.</li> </ul>	5.88	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0928493120332501">https://www.sciencedirect.com/science/article/abs/pii/S0928493120332501</a>
Opening eyes to therapeutic perspectives of bioactive polyphenols and their nanoformulations against diabetic neuropathy and related complications	Rubiya Khursheed, Sachin Kumar Singh, Sheetu Wadhwa, Monica Gulati, Bhupinder Kapoor, Ankit Awasthi, Arya Kr, Rajan Kumar, Faheem Hyder Pottoo, Vijay Kumar, Harish Dureja, Krishnan Anand, Dinesh Kumar Chellappan, Kamal Dua & K. Gowthamarajan	Expert Opinion on Drug Delivery	2020	<ul style="list-style-type: none"> <li>• Lovely Professional University, Punjab.</li> <li>• International Medical University, Malaysia</li> <li>• University of free state, South Africa</li> <li>• University of Technology Sydney, Australia</li> </ul>	4.838	<a href="https://www.tandfonline.com/doi/abs/10.1080/17425247.2021.1846517">https://www.tandfonline.com/doi/abs/10.1080/17425247.2021.1846517</a>
Bite-sized review on advance delivery system, support in the management of covid-19.	Kothandan S, Venkatesan A, Radhakrishnan A, Reddy KV, Kuppusamy G, Dhanabal SP, Balasubramanian S, Bhojraj S.	International Journal of Research in Pharmaceutical Sciences.	2020	-	-	<a href="https://pharmascope.org/ijrps/article/view/2342">https://pharmascope.org/ijrps/article/view/2342</a>

### **1. Development of modified apple polysaccharide capped silver nanoparticles loaded with mesalamine for effective treatment of ulcerative colitis.**

The objective of study was to develop modified apple polysaccharide (MAP) based silver nanoparticles (AgNPs) loaded with mesalamine (MES) for effective treatment of ulcerative colitis in acetic acid induced rat model. AgNPs were prepared by reducing silver nitrate using MAP solution. The size and zeta potential of AgNPs was  $89 \pm 3$  nm and  $-16.3 \pm 1.54$  mV and AgNPs loaded with MES (AgNPs-MES) was  $101 \pm 9$  nm and  $-14.27 \pm 2.16$  mV. The dissolution study revealed about 54% drug release after 5 h indicating release of drug at the colonic site. The in vivo study was carried out on acetic acid induced ulcerative colitis rats and efficacy of treatment was assessed through evaluation of disease activity index and level of antioxidants as well as tumor necrosis factor- $\alpha$  after 7th and 14th day of induction of colitis. Histopathological evaluation of colonic tissue was also carried out. The results revealed that AgNPs-MES (high dose) provided better therapeutic efficacy for the treatment of UC as compared to its low dose, MES alone, MES-MAP, AgNPs alone and MAP alone. It was concluded that MAP based AgNPs loaded with MES were successfully formulated and found to be effective in treating ulcerative colitis.

<https://www.sciencedirect.com/science/article/abs/pii/S1773224720312697>

### **2. Effect of co-administration of probiotics with guar gum, pectin and eudragit S100 based colon targeted mini tablets containing 5-Fluorouracil for site specific release**

Oral colon targeted mini-tablets containing 5-Fluorouracil (5-FU) were developed by using guar gum, pectin and Eudragit S100. Probiotics were co-administered to constantly replenish the gut microflora of colon that gets damaged due to pathophysiology of cancer and side effect of 5-FU. Replacement of microbial count ensures that the polysaccharide used for sustaining the drug release gets digested to release the drug, once the formulation reaches the colon. The site-specific release of coated tablets was confirmed by dissolution studies in medium containing rat caecal contents (RCC), wherein, the formulation containing Eudragit S100, pectin and guar gum in the ratio of 04:03:03 w/w, showed less than 10% drug release in initial 5 h and immediate burst release (100%) between 5th to 10th hour. The cell line studies carried for pooled dissolution samples indicated that more than 90% cells were viable in all the cases till 5th hour. Significant ( $p < 0.05$ ) decline in cellular viability was observed in case of coated mini tablets as compared to un-coated one. The pharmacokinetic studies showed a lower as well as delayed plasma concentration in the coated formulations endorsing the original hypothesis of reduction in drug exposure of the non-target sites.

<https://www.sciencedirect.com/science/article/abs/pii/S1773224720312934>

### **3. Fail-safe nano-formulation of prodrug of sulfapyridine: Preparation and evaluation for treatment of rheumatoid arthritis.**

Aim of the present study was to give a second life to the long-abandoned drug, sulfapyridine (SP) for its anti-arthritis potential by design of nano-vesicular delivery system. For this, intra-articular delivery of its liposomal formulation was tried. As the prepared formulation exhibited rapid drug leakage, an arthritis responsive prodrug of SP showing lability towards synovial enzymes was synthesized to exploit the over-expression of arthritis specific enzymes. Prodrug (SP-PD) exhibited better retention in liposomes as compared to the drug, preventing its escape from synovium. Hydrolysis of SP-PD in human plasma and synovial fluid indicated its high susceptibility to enzymes. The liposomes of SP-PD exhibited larger mean size, less PDI and higher zeta potential as compared to those for SP liposomes. In arthritic rats, prodrug liposomes were found to reverse the symptoms of inflammation, including the levels of biochemical markers. Liposomes of bio-responsive prodrug, therefore, offer a revolutionary approach in the treatment of rheumatoid arthritis.

<https://www.sciencedirect.com/science/article/abs/pii/S0928493120332501>

### **4. Opening eyes to therapeutic perspectives of bioactive polyphenols and their nanoformulations against diabetic neuropathy and related complications**

In this review various polyphenol based nanoformulations such as nanospheres, self-nanoemulsifying drug delivery systems, niosomes, electrospun nanofibers, metallic nanoparticles explored exclusively to treat DN are discussed. However, the literature available related to polyphenol based nanoformulations to treat DN is limited. Moreover, these experiments are limited to preclinical studies. Hence, more focus is required towards development of nanoformulations using simple and single step process as well as inexpensive and non-toxic excipients so that a stable, scalable, reproducible and non-toxic formulation could be achieved and clinical trials could be initiated.

<https://www.tandfonline.com/doi/abs/10.1080/17425247.2021.1846517>

#### **5. Bite-sized review on advance delivery system, support in the management of covid-19.**

COVID-19 are an unprecedented challenge for healthcare providers; there are no approved treatments for this disease, nor are there no approved vaccines. The sources of infection of novel coronavirus detected mainly from animals to humans or infected human to healthy human through respiratory droplets and long contact period are the most prominent way of transmission. Coronaviruses are structurally large-sized single-stranded RNA viruses. The capability of regular therapies is constantly fading away exactly in case of coronavirus due to the modification of new strain, which could be certainly due to speedy adaptation in a protein sequence. The scientist should understand the pandemic situation of virus infection, also as they ought to identify the newest pathway research to regulate the virus infection. Developing new and smart strategies for drugs already in the development pipeline or already exiting drug can be treating diseases in patients could be useful to fight against COVID-19. In the last few years, several new smart drug delivery approaches made the changeover from the laboratory development to clinical applications. At present technology, researchers provide effective and low toxicity drug delivery when compared with classical delivery. This approach will be a great opportunity for the scientist to work and update preclinical research of advance drug delivery systems to cloneable and convertible production to the human trial success rate. In conclusion, by understanding the new drug delivery research approaches for antiviral therapy are increases to produce safe and high-quality therapies at reasonable costs.

<https://pharmascope.org/ijrps/article/view/2342>

## Publications 2016-2020

CPO-Pharmaceutics-Funded Research Projects

<https://www.jssuni.edu.in/jssweb/UDHP.aspx?PID=393>

Updated on: Dec 11, 2020

A review on wound management with specific reference to nanotechnology

<https://www.jssuni.edu.in/jssweb/WebShowFromDB.aspx?MODE=SSMD&PID=10003&MID=12002&SMID=0&CID=0&DID=0&PAGESEARCHFORWHATID=19896>

Updated on: Nov 24, 2020

Design of Experiments: Applications in Pharmaceutical Nanotechnology

<https://www.jssuni.edu.in/jssweb/WebShowFromDB.aspx?MODE=SSMD&PID=10003&MID=12002&SMID=0&CID=0&DID=0&PAGESEARCHFORWHATID=19796>

Updated on: Nov 17, 2020

Current treatments, limitations and the role of polymeric nanoparticles for the effective treatment of skin cancers

<https://www.jssuni.edu.in/jssweb/WebShowFromDB.aspx?MODE=SSMD&PID=10003&MID=12002&SMID=0&CID=0&DID=0&PAGESEARCHFORWHATID=16176>

Updated on: Nov 17, 2020

Current Treatment Options for Parkinsons Disease and the Existing Status of Nanotechnology

<https://www.jssuni.edu.in/jssweb/WebShowFromDB.aspx?MODE=SSMD&PID=10003&MID=12002&SMID=0&CID=0&DID=0&PAGESEARCHFORWHATID>

=19209

Updated on: Aug 31, 2020

[Dissolution Behavior of the poorly water- soluble Drug Mefenamic Acid from Polymeric Micelles.](#)

<https://www.jssuni.edu.in/jssweb/WebShowFromDB.aspx?MODE=SSMD&PID=10003&MID=12002&SMID=0&CID=0&DID=0&PAGESEARCHFORWHATID>

=19060

Updated on: Aug 17, 2020

[Executive Development Program - Diploma & PG Diploma Programs](#)

<https://www.jssuni.edu.in/jssweb/WebShowFromDB.aspx?MODE=SSMD&PID=10004&MID=13002&SMID=0&CID=1&DID=1>

Updated on: Jul 22, 2020

[Antimicrobial, biofilm inhibitory and anti-infective activity of metallic nanoparticles against multi-drug resistant MRSA and Pseudomonas aeruginosa](#)

<https://www.jssuni.edu.in/jssweb/WebShowFromDB.aspx?MODE=SSMD&PID=10003&MID=12002&SMID=0&CID=0&DID=0&PAGESEARCHFORWHATID>

=18636

Updated on: Jul 06, 2020

[The Role of Nanotechnology in Medicine as Drug Delivery Agents, Therapeutics, Diagnostic and Imaging Tools](#)

<https://www.jssuni.edu.in/jssweb/WebShowFromDB.aspx?MODE=SSMD&PID=10003&MID=12002&SMID=0&CID=0&DID=0&PAGESEARCHFORWHATID>

=18521

Updated on: Jun 30, 2020

[Dr V Senthil](#)

<https://www.jssuni.edu.in/jssweb/WebShowFromDB.aspx?MODE=SSMD&PID=10002&MID=0&SMID=10402&CID=6&DID=2>

[Updated on: Feb 27, 2020](#)

[Dr V V S Narayana Reddy Karri](#)

<https://www.jssuni.edu.in/jssweb/WebShowFromDB.aspx?MODE=SSMD&PID=10002&MID=0&SMID=10402&CID=6&DID=2>

[Updated on: Feb 27, 2020](#)

[In vitro antifungal activity of a novel allylamine antifungal nanoemulsion gel](#)

<https://www.jssuni.edu.in/jssweb/WebShowFromDB.aspx?MODE=SSMD&PID=10003&MID=12002&SMID=0&CID=0&DID=0&PAGESEARCHFORW HATID=16175>

[Updated on: Oct 22, 2019](#)

[A Feasibility Study on the Photocatalytic Degradation of Methyl benzene using N doped TiO<sub>2</sub> Nanoparticles](#)

<https://www.jssuni.edu.in/jssweb/WebShowFromDB.aspx?MODE=SSMD&PID=10003&MID=12002&SMID=0&CID=0&DID=0&PAGESEARCHFORW HATID=16083>

[Updated on: Oct 14, 2019](#)

[Activities and Events](#)

<https://www.jssuni.edu.in/jssweb/WebShowFromDB.aspx?MODE=SSMD&PID=10002&MID=0&SMID=10510&CID=5&DID=1>

[Updated on: Sep 27, 2019](#)

### Faculty of Pharmacy

<https://www.jssuni.edu.in/jssweb/WebShowFromDB.aspx?MODE=SSMD&PID=10002&MID=0&SMID=10404&CID=3&DID=1>

Updated on: Aug 14, 2019

Polynhexylcyanoacrylate nanoparticles coated with polysorbate 80 for the management of Alzheimers disease

<https://www.jssuni.edu.in/jssweb/WebShowFromDB.aspx?MODE=SSMD&PID=10003&MID=12002&SMID=0&CID=0&DID=0&PAGESEARCHFORW HATID=15388>

Updated on: Jul 15, 2019

CPM - Pharmaceutics - Programs Offered

<https://www.jssuni.edu.in/jssweb/UDHP.aspx?PID=312>

Updated on: Mar 19, 2019

### Biochemistry

<https://www.jssuni.edu.in/jssweb/WebShowFromDB.aspx?MODE=SSMD&PID=10002&MID=0&SMID=10402&CID=7&DID=50>

Updated on: Dec 31, 2018

Preparation and characterization of Pilocarpine loaded Eudragit nanosuspensions for ocular drug delivery.

<https://www.jssuni.edu.in/jssweb/WebShowFromDB.aspx?MODE=SSMD&PID=10003&MID=12002&SMID=0&CID=0&DID=0&PAGESEARCHFORW HATID=2598>



[Updated on: Dec 20, 2018](#)

[Development and Evaluation of Porous chitosan nanoparticles for Treatment of Enterotoxigenic Escherichia coli infection.](#)

<https://www.jssuni.edu.in/jssweb/WebShowFromDB.aspx?MODE=SSMD&PID=10003&MID=12002&SMID=0&CID=0&DID=0&PAGESEARCHFORW HATID=2600>

[Updated on: Dec 20, 2018](#)

[Nanostructured Lipid Carrier System for the Treatment for Skin Disease-A Review](#)

<https://www.jssuni.edu.in/jssweb/WebShowFromDB.aspx?MODE=SSMD&PID=10003&MID=12002&SMID=0&CID=0&DID=0&PAGESEARCHFORW HATID=12522>

[Updated on: Jun 05, 2018](#)

[Dr Asha Srinivasan](#)

<https://www.jssuni.edu.in/jssweb/WebShowFromDB.aspx?MODE=SSMD&PID=10002&MID=0&SMID=10402&CID=7&DID=55>

[Updated on: Apr 25, 2018](#)

[Nanoscience & Technology](#)

<https://www.jssuni.edu.in/jssweb/WebShowFromDB.aspx?MODE=SSMD&PID=10002&MID=0&SMID=10402&CID=7&DID=55>

[Updated on: Apr 25, 2018](#)

[Osseous Tuberculosis of Right Proximal Tibia & Tuberculous Tenosynovitis Of Left Flexor Carpi ulnaris Sheath- Interesting Case Report](#)

<https://www.jssuni.edu.in/jssweb/WebShowFromDB.aspx?MODE=SSMD&PID=10003&MID=12002&SMID=0&CID=0&DID=0&PAGESEARCHFORW>

[HATID=10239](#)

[Updated on: Oct 09, 2017](#)

[Lipid-modified Low Molecular Weight Polyethylenimine as siRNA delivery vehicle: Implications for Transfection and the Role of Lipid Component](#)

<https://www.jssuni.edu.in/jssweb/WebShowFromDB.aspx?MODE=SSMD&PID=10003&MID=12002&SMID=0&CID=0&DID=0&PAGESEARCHFORW>

[HATID=7842](#)

[Updated on: Sep 25, 2017](#)

[Polymeric Micelles as Novel Carriers for Poorly Soluble Drugs](#)

<https://www.jssuni.edu.in/jssweb/WebShowFromDB.aspx?MODE=SSMD&PID=10003&MID=12002&SMID=0&CID=0&DID=0&PAGESEARCHFORW>

[HATID=7840](#)

[Updated on: Sep 25, 2017](#)

<https://jssuni.edu.in/JSSWeb/WebShowFromDB.aspx?MODE=SSMD&PID=10002&CID=6&DID=2&MID=0&SMID=10402>

### [Treatments and Prophylactics for a Global Emergency Alert: COVID 19 using Allopathic and Indian Phytomedicine](#)

**First Author:** AravindV [Journal Article] [ **Year:** 2020]

**Journal:** International Journal of Research in Pharmaceutical Sciences

**Publisher:** JK Welfare & Pharmascope Foundation

### [The novel coronavirus and its possible treatment by vaccines, therapeutics and drug delivery systems: Current status and future perspectives](#)

**First Author:** Madhurya [Journal Article] [ **Year:** 2020]

**Journal:** International Journal of Research in Pharmaceutical Sciences

**Publisher:** JK Welfare & Pharmascope Foundation

### [Preparation and evaluation of enteric capsules](#)

**First Author:** Sahithi [Journal Article] [ **Year:** 2020]

**Journal:** Research Journal of Pharmacy and Technology

**Publisher:** Research Journal of Pharmacy and Technology

### [Replacement of gelatin in capsules shell manufacturing-A review](#)

**First Author:** AravindV [Journal Article] [ **Year:** 2020]

**Journal:** International Journal of Pharmaceutical Research

**Publisher:** Association of Indian pharmacist-AIP

### [Advancements in regulatory framework for medical device regulations in India](#)

**First Author:** Venu G [Journal Article] [ **Year:** 2020]

**Journal:** International Journal of Pharmaceutical Research

**Publisher:** Association of Indian pharmacist-AIP

[Pharmacogenomics phase transition from personalized medicine to patient-centric customized delivery](#)

**First Author:** Mr Arun R [Journal Article] [ **Year:** 2020]

**Journal:** Pharmacogenomics Journal

**Publisher:** Springer

[Opening eyes to therapeutic perspectives of bioactive polyphenols and their nanoformulations against diabetic neuropathy and related complications](#)

**First Author:** Rubiya Khursheed [Journal Article] [ **Year:** 2020]

**Journal:** Expert Opinion on Drug Delivery

**Publisher:** Taylor & Francis Online

[Regulatory on stability studies for in vitro diagnostic medical device](#)

**First Author:** Senthil [Journal Article] [ **Year:** 2019]

**Journal:** International Journal of Research in Pharmaceutical Sciences

**Publisher:** JK Welfare & Pharmascope Foundation

[Personalized Nano Delivery Strategy in Treating Uveitis](#)

**First Author:** Mr Arun R [Journal Article] [ **Year:** 2019]

**Journal:** Research Journal of Pharmacy and Technology

**Publisher:** RJPT

[Simvastatin Loaded Polycaprolactone-collagen Scaffolds for the treatment of Diabetic Foot Ulcer](#)

**First Author:** kalaivani C [Journal Article] [ **Year:** 2019]

**Journal:** Research Journal of Pharmacy and Technology

**Publisher:** scimago

[A three-pronged formulation approach to improve oral bioavailability and therapeutic efficacy of two lipophilic drugs with gastric lability](#)

**First Author:** Jivan Jyoti [Journal Article] [ **Year:** 2019]

**Journal:** Drug Delivery and Translational Research

**Publisher:** Springer

[Scope of new formulation approaches in the repurposing of pioglitazone for the management of Alzheimers disease](#)

**First Author:** Gifty M. Jojo [Journal Article] [ **Year:** 2019]

**Journal:** Journal of Clinical Pharmacy and Therapeutics

**Publisher:** Wiley Online Library

[Formulation and Optimization of Intranasal Nanolipid Carriers Of Pioglitazone For The Repurposing In Alzheimers Disease Using Box-Behnken Design](#)

**First Author:** Gifty M JOJO [Journal Article] [ **Year:** 2019]

**Journal:** Drug Development and Industrial

**Publisher:** Taylor&Francis

[Repositioning of Itraconazole for the Management of Ocular Neovascularization Through Surface-Modified Nanostructured Lipid Carriers](#)

**First Author:** Kousalya Selvaraj [Journal Article] [ **Year:** 2019]

**Journal:** Assay and Drug Development Technologies

**Publisher:** Marry Ann Liebert, Inc Publishers

### [Nano-facilitated drug delivery strategies in the treatment of plasmodium infection](#)

**First Author:** Nethrvathi puttapa [Journal Article] [ **Year:** 2019]

**Journal:** Acta Tropica

**Publisher:** Elsevier

### [Gold nanoparticles: New routes across old boundaries.](#)

**First Author:** Kumari Y [Journal Article] [ **Year:** 2019]

**Journal:** Advances in Colloid and Interface Science

**Publisher:** Elsevier

### [Affibody conjugated cisplatin nano-particles for the management of breast cancer](#)

**First Author:** Dr Gowthamarajan Kuppusamy [Journal Article] [ **Year:** 2018]

**Journal:** European journal of cancer

**Publisher:** Elsevier

### [personalized medicine and customized drug delivery systems:The new trend of drug delivery and disease management](#)

**First Author:** Abhishek soni [Journal Article] [ **Year:** 2018]

**Journal:** International Journal of Pharmaceutical Compounding

**Publisher:** International Journal of Pharmaceutical Compounding

### [Formulation and Evaluation of Patient Centric Paper Dosage Form of Donepezil Hydrochloride](#)

**First Author:** Mr Arun R [Journal Article] [ **Year:** 2018]

**Journal:** International Journal of Drug Delivery

**Publisher:** International Society for Science and Nature

### PROTEUS SYNDROME: NEED FOR PATIENT CENTRIC THERAPY

**First Author:** Dr Gowthamarajan Kuppusamy [Journal Article] [ **Year:** 2018]

**Journal:** Asian Journal of Pharmaceutical and Clinical Research

**Publisher:** Innovare academy

### In vitro antifungal activity of a novel allylamine antifungal nanoemulsion gel

**First Author:** Dr V V S Narayana Reddy Karri [Journal Article] [ **Year:** 2018]

**Journal:** Journal of Nanoscience and Nanotechnology

**Publisher:** Elsevier

### Ameliorating the In vivo Antimalarial Efficacy of Artemether using Nanostructured Lipid Carriers

**First Author:** Ravisankar [Journal Article] [ **Year:** 2018]

**Journal:** Journal of Microencapsulation

**Publisher:** Taylor and francis

### A Novel Three-pronged Approach for Colon Delivery of Sulfasalazine: Concomitant Use of pH- Responsive, Microbially Triggered Polymers and Liquisolid T

**First Author:** Maharshi, Peddi [Journal Article] [ **Year:** 2018]

**Journal:** Current Drug Delivery

**Publisher:** Bentham Science Publishers

### An effective treatment approach of DPP-IV inhibitor encapsulated polymeric nanoparticles conjugated with anti-CD-4 mAb for type 1 diabetes

**First Author:** Mahesh Thondawada [Journal Article] [ **Year:** 2018]

**Journal:** Drug Development and Industrial Pharmacy

**Publisher:** Taylor and Francis

[Impact of various solid carriers and spray drying on pre/post compression properties of solid SNEDDS loaded with glimepiride: in vitro-ex vivo eva](#)

**First Author:** Sarvi Yadav Rajesh [Journal Article] [ **Year:** 2018]

**Journal:** Drug Development and Industrial Pharmacy

**Publisher:** Taylor & Francis Online

[Bioformulative concepts on intracellular organ specific bioavailability](#)

**First Author:** Nikitha shanmukan [Journal Article] [ **Year:** 2018]

**Journal:** Therapeutic delivery

**Publisher:** Future science

[Spray Bandage Strategy in Topical Drug Delivery](#)

**First Author:** Mr Arun R [Journal Article] [ **Year:** 2018]

**Journal:** Journal of Drug Delivery Science and

**Publisher:** Elsevier

[Application of Quality-by-Design approach to optimize diallyl disulfide loaded solid lipid nano-particles](#)

**First Author:** Siddhartha V. Talluri [Journal Article] [ **Year:** 2017]

**Journal:** Artificial Cells, Nanomedicine and Biotechnology

**Publisher:** Artif. Cells Nanomed. Biotechnol

[Nose to brain transport pathways an overview: potential of nanostructured lipid carriers in nose to brain targeting](#)

**First Author:** Selvaraj K [Journal Article] [ **Year:** 2017]



**Journal:** Artificial Cells, Nanomedicine and Biotechnology

**Publisher:** Taylor & Francis

[Design, characterization and antimalarial efficacy of PEGylated galactosylated nano lipid carriers of primaquine phosphate](#)

**First Author:** Baruah U K [Journal Article] [ **Year:** 2017]

**Journal:** Artificial Cells, Nanomedicine and Biotechnology

**Publisher:** Taylor & Francis

[Stable Co-crystals of Glipizide with Enhanced Dissolution Profiles: Preparation and Characterization](#)

**First Author:** Narendra Kumar Pandey [Journal Article] [ **Year:** 2017]

**Journal:** AAPS PharmSciTech

**Publisher:** Springer

[Current Treatment Strategies and Nanocarrier based Approaches for the Treatment and Management of Diabetic Retinopathy](#)

**First Author:** Kousalya Selvaraj [Journal Article] [ **Year:** 2017]

**Journal:** Journal of Drug Targeting

**Publisher:** Taylor and Francis

[Malaria treatment using novel nano-based drug delivery system](#)

**First Author:** Uday Krishna Baruah [Journal Article] [ **Year:** 2017]

**Journal:** Journal of Drug Targeting

**Publisher:** Taylor and Francis

[Optimisation of chloroquine phosphate loaded nanostructured lipid carriers using Box Behnken design and its antimalarial](#)

**First Author:** Baruah U K [Journal Article] [ **Year:** 2017]

**Journal:** Journal of Drug Targeting

**Publisher:** Taylor & Francis

[Formulation and characterization of chitosan encapsulated phytoconstituents of curcumin and rutin nanoparticles](#)

**First Author:** Ramaswamy Shanmugam [Journal Article] [ **Year:** 2017]

**Journal:** International Journal of Biological Macromolecules

**Publisher:** ELSEVIER

[Affibody molecules for molecular imaging and targeted drug delivery in the management of breast cancer](#)

**First Author:** Anindita De [Journal Article] [ **Year:** 2017]

**Journal:** International Journal of Biological Macromolecules

**Publisher:** Elsevier

[Dysregulation of LIMK-1/cofilin-1 pathway: A possible basis for alteration of neuronal morphology in experimental cerebral malaria](#)

**First Author:** Praveen Kumar Simhadri [Journal Article] [ **Year:** 2017]

**Journal:** Annals of Neurology

**Publisher:** Wiley Online Library

[Current and emerging therapies in the management of diabetic foot ulcers](#)

**First Author:** Mr V V S Narayana Reddy Karri [Journal Article] [ **Year:** 2016]

**Journal:** Current Medical Research and Opinion

**Publisher:** Taylor and Francis

[Formulation Development of Atorvastatin Calcium Tablets by Gel Liquisolid Compact Technique for Improving Solid State Stability and Dissolution Profil](#)

**First Author:** mahendran Bhaskaran [Journal Article] [ **Year:** 2016]

**Journal:** Journal of Drug Development

**Publisher:** scimago

[Preparation and Evaluation of Cefixime Nanoparticles Prepared Using Fenugreek Seed Mucilage and Chitosan as Natural Polymers](#)

**First Author:** Shanmuganathan Seetharaman [Journal Article] [ **Year:** 2016]

**Journal:** International Journal of Pharmaceutical and Clinical Research

**Publisher:** International Journal of Pharmaceutical and Clinical Research

[Understanding the implications of pharmaceutical excipients and additives in the treatment of diabetic foot ulcers](#)

**First Author:** Mr V V S Narayana Reddy Karri [Journal Article] [ **Year:** 2016]

**Journal:** Journal of Excipients and Food Chemicals

**Publisher:** IPEC-Americas

[Formulation and optimization of oxaliplatin immuno-nanoparticles using BoxBehnken design and cytotoxicity assessment for synergistic and reeptormed](#)

**First Author:** Shashank Tammula [Journal Article] [ **Year:** 2016]

**Journal:** Artificial Cells, Nanomedicine and Biotechnology

**Publisher:** Informa, United Kingdom

[Application of quality-by-design approach to optimize diallyl disulfide-loaded solid lipid nanoparticles](#)

**First Author:** SiddarthaVenkata Talluri [Journal Article] [ **Year:** 2016]

**Journal:** Artificial Cells, Nanomedicine and Biotechnology

**Publisher:** Informa Pharmaceutical Science

Formulation and optimization of oxaliplatin immuno-nanoparticles using BoxBehnken design and cytotoxicity assessment for synergistic and receptor-med

**First Author:** Shashank Tummala [Journal Article] [ **Year:** 2016]

**Journal:** Artificial Cells, Nanomedicine and Biotechnology

**Publisher:** Taylor and Francis

Oxaliplatin immunohybrid nanoparticles in vitro synergistic suppression evaluation in treatment of colorectal cancer

**First Author:** Shashank Tummala [Journal Article] [ **Year:** 2016]

**Journal:** Artificial Cells, Nanomedicine and Biotechnology

**Publisher:** Taylor & Francis Online

Formulation and optimization of oxaliplatin immuno-nanoparticles using Box Behnken design and cytotoxicity assessment for synergistic and receptor

**First Author:** Shashank Tummala [Journal Article] [ **Year:** 2016]

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