

# OMICS GROUP



OMICS Group International through its Open Access Initiative is committed to make genuine and reliable contributions to the scientific community. OMICS Group hosts over **400** leading-edge peer reviewed Open Access Journals and organizes over **300** International Conferences annually all over the world. OMICS Publishing Group journals have over **3 million** readers and the fame and success of the same can be attributed to the strong editorial board which contains over **30000** eminent personalities that ensure a rapid, quality and quick review process. OMICS Group signed an agreement with more than **1000** International Societies to make healthcare information Open Access.

# OMICS Journals are welcoming Submissions

OMICS Group welcomes submissions that are original and technically so as to serve both the developing world and developed countries in the best possible way.

OMICS Journals are poised in excellence by publishing high quality research. OMICS Group follows an Editorial Manager® System peer review process and boasts of a strong and active editorial board.

Editors and reviewers are experts in their field and provide anonymous, unbiased and detailed reviews of all submissions.

The journal gives the options of multiple language translations for all the articles and all archived articles are available in HTML, XML, PDF and audio formats. Also, all the published articles are archived in repositories and indexing services like DOAJ, CAS, Google Scholar, Scientific Commons, Index Copernicus, EBSCO, HINARI and GALE.

**For more details please visit our website:**  
**<http://omicsonline.org/Submitmanuscript.php>**



ISSN: 2329-6887

Journal of Pharmacovigilance

Open Access



# JAGADEVAPPA PATIL

---

Professor and Principal

VT's Shivajirao S Jondhale College of Pharmacy

University of Mumbai

India



## Biography

Dr. J. S. Patil received his PhD from Rajiv Gandhi University of Health Sciences, Bangalore, India during the period of 2012. Currently, he is the Professor and Principal in Shri Vithal Education & Research Institute's College of Pharmacy under Solarpur University. He is serving as Editorial Board Member for many reputed Journals and himself has 38 publications.



## Research Interests

- Site-specific delivery of drugs for optimization of drug therapy.
- Formulations for hypertension, diabetes, and peptic ulcer have been developed.
- Pulmonary delivery for optimization of antitubercular therapy.
- Strategies for improving bioavailability of Class II and Class III BCS drugs.
- Development of Nanoparticles, microparticles and liposomes.
- Optimization of formulations using software.



# Routes of Drug Administration

## Routes of drug administration into the body

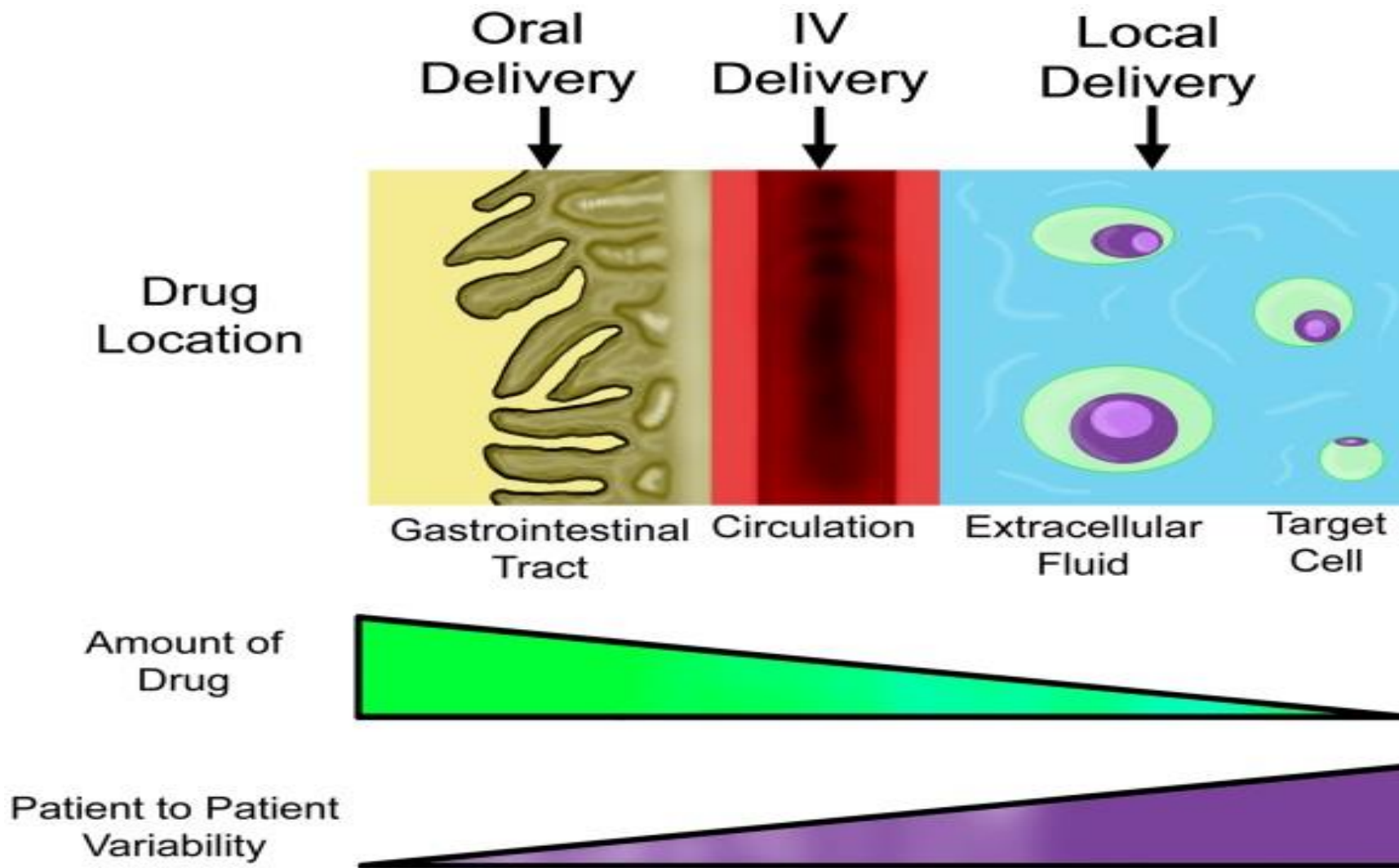
- Intravenous (IV): into a vein (rapid absorption)
- Intraperitoneal (IP): into the gut (used in lab animals)
- Subcutaneous (SC): under the skin
- Intramuscular (IM): into a muscle
- Inhalation of the drug into the lungs
- Topical: absorbed through the skin
- Oral (PO): via the mouth



# Site-specific drug delivery

- Also known as Targeted drug delivery
- Advantageous over traditional drug delivery method
- The medication concentrates in the tissues of interest
- Improves efficacy while reducing side-effects









# Advantages

- Reduction in the dosages frequency
- Uniform effect of the drug
- Reduction side-effects by the drug to other organs
- Reduced fluctuation in circulating drug levels



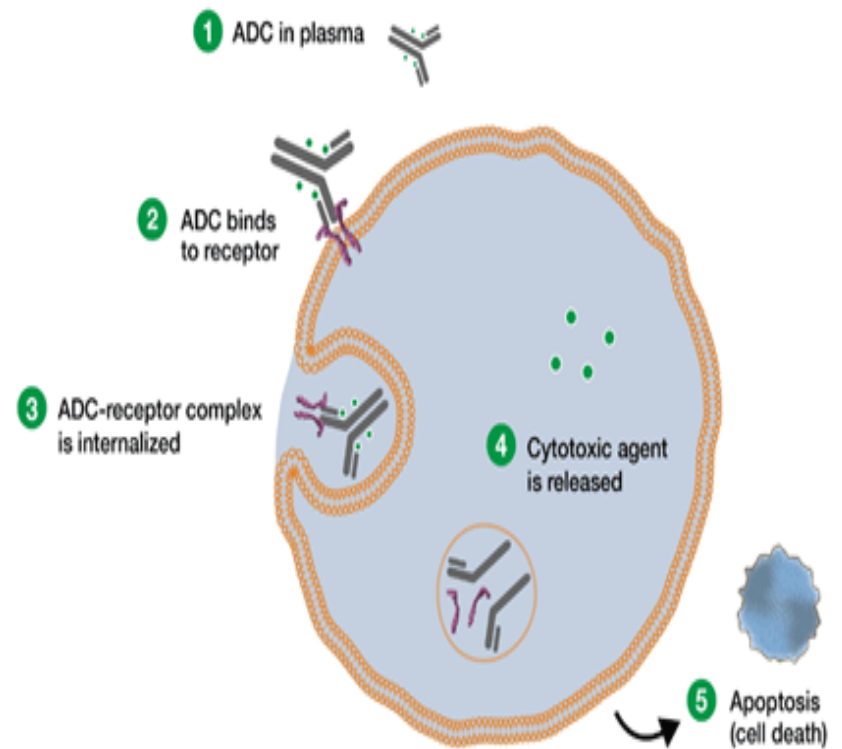
# Disadvantages

- Less productivity due to high cost
- Reduced ability to adjust the dosages



# Types

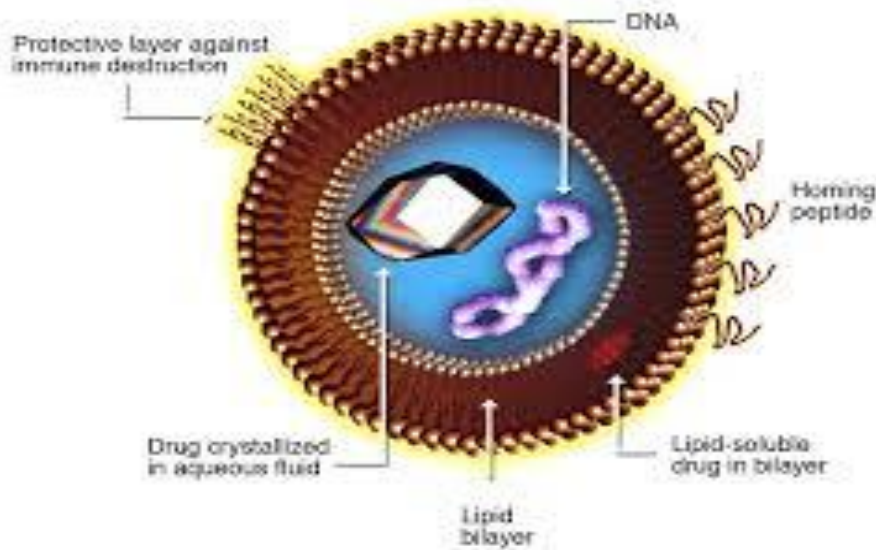
- Active targeted drug delivery, such as antibody medications
- Passive targeted drug delivery, such as enhanced permeability and retention effect (EPR-effect)



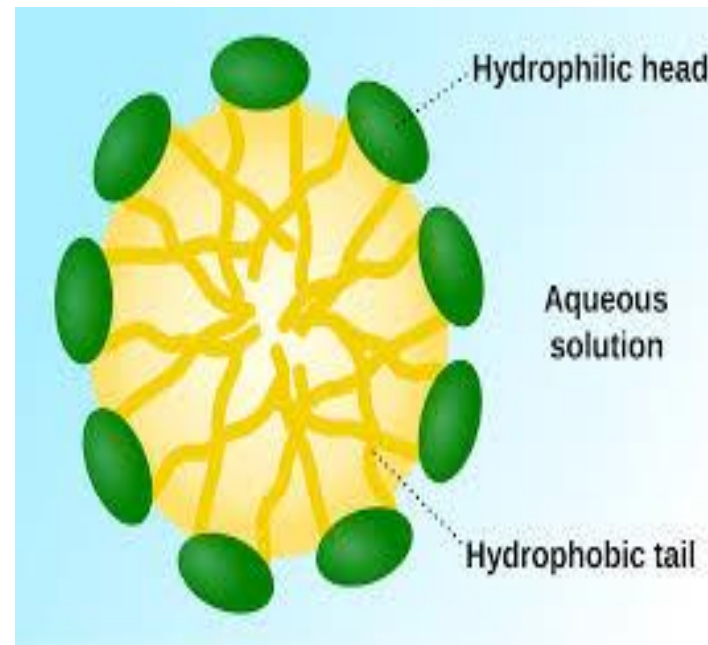


# Delivery vehicles

## Liposome for Drug Delivery



Liposomes



Micelles



# Applications

- Cardiovascular diseases
- Diabetes
- Cancer tumors
- Tuberculosis
- Stem cell therapy
- Regenerative techniques



## Recent Publications

- 1.Design, Charecterization and Evaluation of Inclusion Complexes of Poorly Soluble Atorvastatin Calcium. **Uniq J Pharm Biolog Sci. 2014;2 (2): 88-96.**
- 2.Design,Charecterization and Evaluation of Inclusion Complexes of Poorly Soluble Rosuvastatin Calcium. **Univer J Pharm. 2014; 3(2): 88-96.**
- 3.Rifampicin loaded spray-dried olibanum gum resin pulmospheres for lung delivery. Special issue: "Drug Delivery using Nanomedicine & Nanotechnology". **J Drug Deliv Therapeut. 2014; 4 (3): 15-20.**
- 4.Rifampicin loaded spray-dried olibanum gum resin pulmospheres for lung delivery. Special issue: "Drug Delivery using Nanomedicine & Nanotechnology". **J Drug Deliv Therapeut. 2014; 4 (3): 15-20.**
- 5.Microalbuminuria as Risk Indicator in Rheumatoid Arthritis: An Updated Review. **Int. J. Pharm. Clin. Res. 2014; 6(2): 138-145.**



# Signature

*J. Patel*



# Pharmacovigilance Related Journals

- [Journal of Clinical Trials](#)
- [Advances in Pharmacoepidemiology & Drug Safety](#)
- [Journal of Drug Metabolism & Toxicology](#)



# Pharmacovigilance Related Conferences

- 5<sup>th</sup> International Conference and Exhibition on Pharmaceuticals & Novel Drug Delivery Systems
- 5<sup>th</sup> World Congress on Bioavailability and Bioequivalence: Pharmaceutical R&D Summit
- 3<sup>rd</sup> International Conference and Exhibition on Pharmacovigilance & Clinical Trials



# OMICS Group Open Access Membership

OMICS publishing Group Open Access Membership enables academic and research institutions, funders and corporations to actively encourage open access in scholarly communication and the dissemination of research published by their authors.

For more details and benefits, click on the link below:

<http://omicsonline.org/membership.php>

