



Dr. Manickam Balamurugan

Assistant Professor and Assistant Dean (UG Studies)

School of Pharmacy.

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Office Location: 33-03.

Time at UoN: Since 2014

Marital Status:

Research interest: (1) Novel Drug Delivery Systems (NDDS) (2) Formulation Development (3) Clinical research (4) Utilizing alternative/natural membranes for the in-vitro permeation studies for evaluating topical & transdermal formulations

Academic Qualifications

PhD., University of Delhi, India, 2007

M.Pharm., The TN DR.M.G.R. Medical University, Chennai, India, 1999

Teaching Activities

Physical Pharmacy

Pharmaceutics II

Research Activities

- Research Interests

Novel Drug delivery systems (NDDS)

Transdermal & topical drug delivery systems, Nanoparticles, Microspheres, Liposomes, Floating Drug Delivery Systems etc.,

Formulation Development (using natural polymers & excipients)

Clinical Research

- Publications

Article:

1. 'Genipin' – The Natural Water Soluble Cross- Linking Agent and its importance in the Drug Delivery Systems: An Overview. Current drug delivery 11.1 (2014): 139-145.
2. . In-Vitro Permeation Studies of Commercially Available Diclofenac Sodium Gel (sample analysis using LC-MS/MS) Through the Two Different Shed Snake Skins Obtained from Various Regions of Sultanate of Oman- a Pilot Study. Lat. Am. J. Pharm. 32 (7): 1069-73 (2013).
3. Preparation and Characterization Benzathine Penicillin G Solid Dispersions Using Different Hydrophilic Carriers. International Journal of Drug Delivery, Volume 5, Pages 420 - 429, 2013.
4. Matrix type transdermal patches of captopril: Ex vivo permeation studies through excised rat skin. Journal of pharmacy research 6 (2013) 774-779.
5. Formulation, Characterization and In-vitro Evaluation of Abacavir Sulphate Loaded Microspheres. Research J. Pharm. and Tech, 2013, 6(7):731-735.
6. Formulation and evaluation of chitosan based bio-adhesive transdermal drug delivery systems of lisinopril for prolonged drug delivery. Der Pharmacia Sinica, 2013, 4(3):1-7.
7. Chitosan: A perfect polymer used in fabricating gene delivery and novel drug delivery systems, International Journal of Pharmacy and Pharmaceutical Sciences, 2012, 4(3):54-56.
8. Protective and curative effects of polyphenolic extract from Ichnocarpus frutescens leaves on experimental hepatotoxicity by carbon tetra chloride and tamoxifen. Annals of Hepatology, January-March, Vol 10 No.1, 2011:63-72.
9. Anti-carcinoma Activity of Polyphenolic Extract of Ichnocarpus frutescens. Planta Medica 75, pp.104, 2009; DOI: 10.1055/s-2009-1216542

10. Development and In-vitro Evaluation of Mucoadhesive Buccal Tablets of Domperidone. Research J. Pharm. and Tech. 1(4): Oct.-Dec. 2008.
11. Proniosomal powder of Captopril-Formulation and Evaluation. Mol. Pharmaceutics, 2007, 4 (4), pp 596-599.
12. Anti-diabetic activity of Glibenclamide loaded Liposomes in alloxan induced diabetic rats. Ars Pharm. 2007; 48 (1): 31-36.
13. Design and development of Proniosomal drug delivery systems for Captopril. Trop J Pharm Res. June 2007; 6 (2): 687-693.
14. A Study and Antitumor Efficiency of Etoposide Encapsulated Niosomes. Indian Drugs 40(7) July 2003.
15. Formulation and evaluation of tablets of Propranolol HCl using chitosan. The Eastern Pharmacist, Vol.XLII, No-501, Sep-1999.

Faculty Administrative Experience

2017 - Present: Assistant Dean-UG Studies, CPN

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Ref.: <https://www.unizwa.edu.om/staff/chs/manickam>