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List of Publication 2015-2020

2020

- Juturu Thimmasetty, Tanmoy Ghosh, Shashank Nayak Nagar, Shwetha Kamath, Shanmuganathan Seetharaman, Abbas Kumai Mohamed. Enhanced Solubility of Modafinil via Solubilization Techniques, Journal of Young Pharmacists, 12(1), 129-134, 2020.

2019

- Satiesh Kumar Ramadass, Lone Saquib Nazir, Ramar Thangam, Ramesh Kannan Perumal, I. Manjubala, Balaraman Madhan, Shanmuganathan Seetharaman. Type I Collagen Peptides and Nitric Oxide Releasing Electrospun Silk Fibroin Scaffold: A Multifunctional Approach for the Treatment of Ischemic Chronic Wounds, Colloids and Surfaces B: Biointerfaces, (175), 636 – 643, 2019. Impact factor – 3.97
- Anbarasan B, Satiesh Kumar R, Thanka J, Ramaprabhu S, Shanmuganathan S. Preparation and characterization of pH based Carbopol 934P in situ hydrogels for the treatment of harmful bacterial infections. International Journal of pharmaceutical Sciences and Research. 10(1), 232-244, 2019.
- Banerjee J, Seetharaman S, Wrice NL, Christy RJ, Natesan S. Delivery of Silver sulfadiazene and Adipose derived stem cells using Fibrin hydrogel improves infected burn wound regeneration, PLoS ONE, 14(6), 01-22, 2019. Impact factor – 2.77
- Muthu M. J. Moideen, Kavitha Karuppaiyan, Ruckmani Kandhaswamy, Shanmuganathan Seetharaman. Skimmed milk powder and pectin decorated solid lipid nanoparticle containing soluble curcumin used for the treatment of colorectal cancer, Journal of Food Process Engineering, 43(3), 01-15, 2019. DOI: 10.1111/jfpe.13246. Impact factor – 1.703

2018

- Anbarasan B, Thanka J, Ramprabhu S, Shanmuganathan S. Optimization and Evaluation of Temperature Triggered in Situ Hydrogels for an Effective Treatment of Ophthalmic Preparations – A Prelustration, International Journal of Pharmaceutical Sciences Review and Research, 50(1), 34 – 39, May – June 2018.
- Raja N, Raghunanadhan N, Chamundeeswari D, Shanmuganathan S. Quality by design approach for optimization of repaglinide buccal tablets using box-behnken design, Future Journal of Pharmaceutical Sciences, (4), 265 – 272, 2018.

2017

- Raja N, Raghunanadhan N, Chamundeeswari D, Shanmuganathan S. Use of Okra Mucilage and Chitosan acetate in Verapamil hydrochloride Buccal Patches Development; In vitro and Ex vivo Characterization, Journal of Young Pharmacists, 9(1), 94 – 99, Jan-Mar 2017.

2016

- B. Harika, S. Shanmuganathan, K. Gowthamarajan. Formulation and Evaluation of Controlled Release Cefixime Nanoparticles Prepared Using *Basella alba* Leaf Mucilage and Chitosan as Matrix Formers, Journal of Pharmaceutical Sciences and Research, 8(2), 92 – 99, 2016.
- B. Harika, K. Gowthamarajan, D. Chamundeeswari, K. Chitra, S. Shanmuganathan. Fabrication and In-vitro Evaluation of Cefixime Nanoparticles Using Gum Kondagogu and Chitosan as Matrix Formers, International Journal of Pharmaceutical Sciences and Research, 7(3), 1116 – 1124, 2016.
- S. Shanmuganathan, B. Harika, K. Gowthamarajan. Preparation and Evaluation of Cefixime Nanoparticles Prepared Using Fenugreek Seed Mucilage and Chitosan as Natural Polymers, International Journal of Pharmaceutical and Clinical Research, 8(3), 179 – 188, 2016.
- Riyaz Ali M Osmani, Parthasarathi K Kulkarni, S. Shanmuganathan, Umme Hani, Atul Srivastava, Prerana M, Chetan G Shinde and Rohit R Bhosale. 3² Full Factorial Design for Development and Characterization of Nanosponges Based Intravaginal *In*

situ Gelling System for Vulvovaginal Candidiasis, RSC Advances, 6, 18737 – 18750, 2016. Impact factor – 3.04

- Riyaz Ali M Osmani, Umme Hani, Rohit R Bhosale, Parthasarathi K Kulkarni, S. Shanmuganathan. Nanosponge Carriers – An Archetype Swing in Cancer Therapy: A Comprehensive Review, Current Drug Targets, 18(1), 108-118, 2016. Impact factor – 2.64
- Shanmuganathan S, Nigma Chandra S, Anbarasan B, Harika B. Preparation and *in-vitro* evaluation of Fe₃O₄ encapsulated by chitosan loaded capecitabine nanoparticles for the treatment of breast cancer, International Journal of Drug Delivery Technology, July – September, 6(3) 52-57, 2016.
- Venkata Ramesh Yasam, Satya Lavanya Jakki, V. Senthil, M. Eswaramoorthy, S. Shanmuganathan, K. Arjunan & MJ Nanjan. A pharmacological overview of lamotrigine for the treatment of epilepsy, Expert Review of Clinical Pharmacology, Dec;9(12), 1533-1546, 2016. Impact factor – 2.77

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- Anbarasan B, Niranjana V.A, Nagalakshmi S, Ramaprabhu S, Shanmuganathan S. Development of formulation and in-vitro evaluation of capecitabine loaded Fe₃O₄ nanoparticles modified with PLGA-PEG polymer for colon cancer treatment, Sri Ramachandra Journal of Medicine, Jan- June, 8(1), 01-07, 2015.