

Personal Details	VENKATESKUMAR KRISHNAMOORTHY
Academic Qualifications	<p>PhD (Pharmaceutics), Birla Institute of Technology & Sciences, INDIA (2006-2012)</p> <p>M.Pharm (Pharmaceutics), Banaras Hindu University, INDIA (1997-1999)</p> <p>B.Pharmacy, Madras Medical College, The T.N. Dr. M.G.R Medical University, INDIA (1993-1996)</p> <p>D. Pharmacy, Directorate of Medical Education, Tamilnadu, INDIA (1990-1991)</p>
Administrative Duties	Unit Head, Unit of Pharmaceutical Technology
Publications (last 5 years)	<ol style="list-style-type: none"> 1. <u>Tew Hui Xian</u>, <u>Kurunathan Sinniah</u>, <u>Chan Yean Yean</u>, <u>Venkateskumar Krishnamoorthy</u>, <u>Mohd Baidi Bahari</u>, <u>Manickam Ravichandran</u> & <u>Guruswamy Prabhakaran</u>. Immunogenicity and protective efficacy of a live, oral cholera vaccine formulation stored outside-the-cold-chain for 140 days. <i>BMC Immunol</i> 21, 29 (2020). https://doi.org/10.1186/s12865-020-00360-1 <p>2019</p> <ol style="list-style-type: none"> 2. Krishnamoorthy Venkates Kumar, Subramani Parasuraman, Leow Yu Chuen, Vengadan Sivayogi, Gunasunderi Raju “Exploration of antioxidant capacity of extracts of <i>Perna viridis</i>, a marine bivalve” Ph. Cognosy Magazine- 2019; 15; S402-9 3. Krishnamoorthy Venkateskumar, Subramani Parasuraman, Leow Yu Chuen, Veerasamy Ravichandran, Subramani Balamurgan. “Exploring antimicrobials from the flora and fauna of marine: opportunities and limitations”. <i>Current Drug Delivery Technologies</i> Aug 2019; doi: 10.2174/1570163816666190819141344. <p>2018</p> <ol style="list-style-type: none"> 4. Subramani Parasuraman, Krishnamoorthy Venkates Kumar. Does Electromagnetic Radiation affect drug stability? <i>J Young Pharm</i>, 2018; 10 (1): 1-2 <p>2017</p> <ol style="list-style-type: none"> 5. Venkateskumar K, Parasuraman S, Christopher PV, Ali S, Chuen LY, Tang W, et al. Investigation of mast cell stabilization and antiulcer activity of protein extract of <i>Perna Viridis</i>. <i>J Pharm Negative Results</i> 2017; 8:37-42.

6. **Book Chapter:** Chee Kong Yap, Wan Hee Cheng, Amin Bintal, Hishamuddin Omar, Rosimah Nulit, Moslem Sharifinia and **Krishnamoorthy Venkateskumar**, Chapter 8. Health Risk Assessment of Nickel in the Mangrove Snail *Nerita lineata*: Re-Interpretation of Published Data Chapter 9. Distribution of Heavy Metals in Mangrove Snail *Cerithidea obtusa*: A Biological Insight. In **Snails: Biodiversity, Biology and Behavioral Insights Edited by Yap Cee Kong. NovaScience Publishers.** pp.169-188;pp.189-216;ISBN: 978-1-53611-847-6-April-June,2017

2016

7. Mechanistic Insights into Acyclovir-Polyethylene Glycol 6000 Binary Dispersions. Krishnamoorthy Venkateskumar, Subramani Parasuraman, Raju Gunasunderi, Krishnan Sureshkumar, M Muralidhar Nayak, Syed Adnan Ali Shah, Khassen Khoo, Heng Wei Kai. **AAPS Pharm Sci Tech.** 2016; DOI: 10.1208/s1224901606869 pp.1-10 Impact Factor-2.451

8. Subramani Parasuraman, Lee Yu Ren, Bobby Lau Chik Chuon, Stephanie Wong Kah Yee, Tan Ser Qi, Jan Yong Shu Ching, Parayil Varghese Christapher, Krishnamoorthy Venkateskumar, Palanimuthu Vasanth Raj. Phytochemical, antimicrobial and mast cell stabilizing activity of ethanolic extract of *Solanum trilobatum* Linn. Leaves. **Malaysian Journal of Microbiology**, Vol 12(5) Special Issue 2016, pp. 359-364.

9. Mechanistic Insights into Acyclovir-Polyethylene Glycol 20000 Binary Dispersions. Krishnamoorthy Venkateskumar, Subramani Parasuraman, Raju Gunasunderi, Krishnan Sureshkumar, M Muralidhar Nayak, Syed Adnan Ali Shah, Khassen Khoo, Heng Wei Kai. **Int J Pharm Investig.** 2016; 6:194-200.

10. Vijayan Venugopal, K. Jayaraja Kumar, S. Muralidharan, S. Parasuraman, P. Vasanth Raj, **K. Venkates Kumar**. Optimization and in-vivo evaluation of isradipine nanoparticles using Box-Behnken design surface response methodology. **OpenNano 2016; 1: 1–15.**

11. Subramani Parasuraman, Lim Ee Wen, Aaseer Thamby Sam, Parayil Varghese Christapher, Krishnamoorthy Venkates Kumar. Analysis of correlation between defecation posture and risk of urinary tract infections among adolescent populations. **Environ Dis.** 2016; 1:77-82.

12. V. Ravichandran, **K. Venkateskumar**, Shalini Sivadasan and Rajak Harish. QSAR study on quinolinecarbaldehyde derivatives as potential anti-tubercular agents. **Thai Journal of Pharmaceutical Sciences**, 2016; 40:2: 72-81.

	<p>13. V. Ravichandran, K. Venkateskumar, Shalini Sivadasan and Rajak Harish. Exploring the structure-activity relationship of oxazolidinones as HIV-1 protease inhibitors - QSAR and pharmacophore modelling studies. <i>Chemometrics and Intelligent Laboratory Systems</i> 2016; 154: 54-61 Impact Factor-2.303</p> <p>14. K.Venkateskumar. Multi-Purpose Technology (MPTs)-Expanding the Horizons of Health Care. <i>J Young Pharm</i>, 2016; 8(1): 1 (Editorial)</p>
On-going Research	<p>On-going research</p> <p>Fundamental Research Grant (FRGS)</p> <ul style="list-style-type: none"> ➤ Title: Investigation on Male Contraception Activity In <i>Hibiscus Rosasinensis</i> ➤ Fund Agency: Ministry of Higher Education (MOHE), Government of Malaysia ➤ Duration:2 years ➤ Role: Principal Investigator ➤ Amount: RM 112000 ➤ Status: Ongoing
Completed Research	<ul style="list-style-type: none"> ➤ Investigation on Bio-potential of Malaysian Green Mussels (FRGS) ➤ Cold Chain free Cholera Vaccine (PRGS) ➤ Exploration of Bio-potential of Malaysian Green Mussels (Internal grant)
Research Grants	<p>Fundamental Research Grant (FRGS)</p> <ul style="list-style-type: none"> ➤ Title: Investigation on Male Contraception Activity In <i>Hibiscus Rosasinensis</i> ➤ Fund Agency: Ministry of Higher Education (MOHE), Government of Malaysia ➤ Duration:2 years ➤ Role: Principal Investigator ➤ Amount: RM 112000 ➤ Status: Ongoing <p>Fundamental Research Grant (FRGS)</p> <ul style="list-style-type: none"> ➤ Title: Investigation on Bio-potential of Malaysian Green Mussels ➤ Fund Agency: Ministry of Higher Education (MOHE), Government of Malaysia ➤ Duration:2 years ➤ Role: Principal Investigator ➤ Amount: RM 89200 ➤ Status: Completed <p>Prototype Research Grant Scheme (PRGS)</p> <ul style="list-style-type: none"> ➤ Title: Cold Chain free Cholera Vaccine ➤ Fund Agency: Ministry of Higher Education (MOHE), Government of

	<p>Malaysia</p> <ul style="list-style-type: none"> ➤ Duration: 2 years ➤ Role: Co-Investigator ➤ Amount: RM 250,000 ➤ Status: Completed
Consultancy	SAKURA RUBBER SDN BHD
Awards	<ul style="list-style-type: none"> ➤ Remote reviewer for Research Grants of Department of Science & Technology (FCT), Government of Portugal
Professional Membership	<ul style="list-style-type: none"> ➤ Registered Pharmacist (No. 4298A1) -Tamil Nadu Pharmacy Council, Chennai.
Supervision	Post graduates students- M.PHARM-12 MSC PHARMACY-04
Teaching	Dosage form, Physical Pharmaceutics, Pharmaceutical technology, Dosage from Design I & II, Basics To Industrial Pharmacy, Pharmaceutical Biotechnology Masters Program; Basic to Pharmaceutics (Bridging Program)
Areas of Expertise	<ul style="list-style-type: none"> ➤ Exploration of Natural and Marine species for safe and effective topical microbicides ➤ Development of Multipurpose Technology (MPTs) Based Vaginal Drug Delivery Systems for prevention, treatment of STI Infections, HIV and contraception. ➤ Exploration of Solubility Enhancement Approaches
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