

Personal Details	PROF. DR. RAVICHANDRAN VEERASAMY
Academic Qualifications	Ph.D (Pharmaceutical Sciences) , Dr. H.S. Gour Vishwavidyalaya, INDIA M. Pharm (Pharm. Chemistry) , Dr. H.S. Gour Vishwavidyalaya, INDIA B. Pharmacy , The Tamilnadu Dr. M.G.R Medical University, INDIA
Administrative Duties	Head , Pharmaceutical Chemistry Unit
Publications (last 5 years)	<p>Publications - Total 145; National – 24, International – 120, Editorial - 1 Cumulative IF (5 Year average, Thomson Reuters, 2019): (~ 150) Scopus Citation: ~2119, Scopus h-index: 24, Google Scholar Citation: ~3911, Google Scholar h-index: 31, Google Scholar i10-index: 59 (As on December 2020)</p> <p>Last five years (2016-2020, 30 Publications)</p> <ol style="list-style-type: none"> 1. Shirbhate E, Patel P, Patel VK, Veerasamy R, Sharma PC, Sinha BN, Rajak H. Synthetic and semi-synthetic drugs as promising therapeutic option for the treatment of COVID-19. Mini Reviews in Medicinal Chemistry. DOI: 10.2174/1389557520666201204162103 2. Divya SE, Patel P, Patel VK, Veerasamy R, Sharma PC, Rajak H. The combination of histone deacetylase inhibitors and radiotherapy: a promising novel approach for cancer treatment. Future Oncology, 2020 (In press) doi.org/10.2217/fon-2020-0385. 3. Veerasamy R, Karunakaran R, Rajak H. QSAR studies on polymerase acid endonuclease inhibitor as anti-influenza agents. Inter. J. Pharma Res. 2020; 11(1): 43-53. 4. Divya SE, Patel VK, Patel P, Veerasamy R, Jawaid T, Kamal M, Rajak H. Lead identification of hydroxamate derivative as selective HDAC2 inhibitor using computational approaches, Indian Drugs. 2020; 57 (07): 24-37. 5. Ravichandran V, Sumitha S, Ning CY, Xian OY, Kiew Yu U, Paliwal N, Shah SA, Tripathy M. Durian waste mediated green synthesis of zinc oxide nanoparticles and evaluation of their antibacterial, antioxidant, cytotoxicity and photocatalytic activity. Green Chem. Lett. Rev. 2020; 13(2): 102-116. 6. Divya SE, Patel P, Patel VK, Veerasamy R, Sharma PC, Rajak H. Searching for potential HDAC2 inhibitors: Structure activity relationship studies on indole-based hydroxamic acids as an anticancer agent. Lett. Drug Design Discov. 2020; 17: 905-917. 7. Aziz S, Mohiuddin SG, Iqbal MZ, Sivadasan S, Ghadzi SM, Veerasamy R, Ahmed Z, Iqbal MS. Barriers to pediatric immunization: Parents' perspective. Journal of Critical Reviews. 2020;7(7):326-333. 8. Venkateskumar K, Parasuraman S, Chuen LY, Ravichandran V, Balamurgan S. Exploring antimicrobials from the flora and fauna of marine: Opportunities and limitations (Review). Curr. Drug Discov. Technol., 2020; 17: 507-514. 9. Ravichandran V, Vasanthi S, Shalini S, Shah SAA, Tripathy M, Paliwal N. Green synthesis, characterization, antibacterial, antioxidant and photocatalytic activity of <i>Parkia speciosa</i> leaves extract mediated silver nanoparticles. Results Phys., 2019;15: 102565.

10. **Ravichandran V**, Shalini S, Suresh Kumar K, Rajak H, Agrawal RK. Design, synthesis and evaluation of thiourea derivatives as antimicrobial and antiviral agents. **Lett. Drug Des. Discov.**, **2019**; 16: 618-624.
11. **Ravichandran V**, Harish R. QSAR studies on imidazoles and sulfonamides as antidiabetic agents. **Ovidius University Annals of Chemistry**, **2019**; 30: 5-13.
12. **Ravichandran V**, Rohini K, Harish R, Parasuraman S, Sureshkumar K. Insights into the key structural features of triazolothienopyrimidines as anti-HIV agents using QSAR, molecular docking, and pharmacophore modelling. **Structural Chem.**, **2019**; 30: 1471– 1484.
13. Aziz S, Iqbal MZ, Iqbal MS, Mohiuddin SG, Sivadasan S, **Veerasamy R**, Ali AN, Prajapati SK, Chandran JM. Attitude towards vaccination: A cross sectional study among the parents in Sungai Petani, Kedah, Malaysia. **Int. J. Pharm. Sci. Res.**, **2019**; 51: 2465-2472.
14. Sumitha S, Vasanthi S, Shalini S, Chinni SV, Gopinath SCB, Kathiresan S, Anbu P, **Ravichandran V**. *Durio zibethinus* rind extract mediated green synthesis of silver nanoparticles: Characterization and biomedical applications. **Pharmacog. Mag.**, **2019**; 15: 52-58.
15. Sumitha S, Vasanthi S, Shalini S, Chinni SV, Gopinath SCB, Anbu P, Bahari MB, Harish R, Kathiresan S, **Ravichandran V**. Phyto-mediated photo catalysed green synthesis of silver nanoparticles using *Durio zibethinus* seed extract: Antimicrobial and cytotoxic activity and photocatalytic applications. **Molecules**, **2018**; 23: 3311.
16. Jain N, Jain H, Jain A, **Ravichandran V**, Jain P. Design, synthesis and evaluation of anti- inflammatory, analgesic and antibacterial activity of 2, 4, 6-trisubstituted quinazoline derivatives. **Ovidius University Annals of Chemistry**, **2018**; 29 (2): 97-97.
17. Babu A, Veerasamy R, Sivadasan S. Metformin - A Drug of Plant Origin (Review). **Res. J. Pharm. Tech.**, **2018**; 11(6): 2701-2708.
18. Geethaavacini G, Poh GP, Yan LY, Deepashini R, Shalini S, Harish R, Sureshkumar K, **Ravichandran V**. QSAR and pharmacophore mapping studies on benzothiazinimines to relate their structural features with anti-HIV activity. **Med. Chem.**, **2018**;14(7):733- 740.
19. **Ravichandran V**. Green chemistry – An environmentally benign chemistry. Editorial. **J. Young Pharm.**, **2018**; 10(2): 131.
20. Singh A, Raghuwanshi K, Patel VK, Jain DK, **Veerasamy R**, Dixit A, Rajak H. Assessment of 5-substituted isatin as surface recognition group: Design, synthesis, and antiproliferative evaluation of hydroxamates as novel histone deacetylase inhibitors. **Pharmaceutical Chemistry J.**, **2017**; 51: 366-374.
21. Singh A, Patel P, Patel VK, Jain DK, **Veerasamy R**, Rajak H. Histone deacetylase inhibitors for the treatment of colorectal cancer: Recent progress and future prospects. (Review) **Cur. Can. Drug Targets**. **2017**; 17: 456-466.
22. Patel VK, Singh A, Jain DK, Patel P, **Veerasamy R**, Rajak H. Combretastatin A-4 based thiophene derivatives as antitumor agent: Development of structure activity correlation model using 3D-QSAR,

	<p>pharmacophore and docking studies. Future J. Pharm. Sci., 2017; 71-78.</p> <p>23. Rajak H, Jain DK, Singh S, Singh A, Patel VK, Veerasamy R, Pawar RS. Novel pyrimidine based semicarbazones: Confirmation of four binding site pharmacophoric model hypothesis for antiepileptic activity. Cent. Nerv. Syst. Agents Med. Chem., 2017; 17: 64-71.</p> <p>24. Jain DK, Singh A, Patel VK, Veerasamy R, Aggarwal N, Rajak H. Drug design strategies for the discovery of novel anticonvulsants concerned with four site binding pharmacophoric model studies. Cent. Nerv. Syst. Agents Med. Chem., 2017; 17: 30-50.</p> <p>25. Ravichandran V, Shalini S, Venkateskumar K, Dhanaraj SA. Exploring the structural insights of indole-7-carboxamides as anti-HIV agents. FARMACIA, 2016; 64: 745-756.</p> <p>26. Patel P, Singh A, Patel VK, Jain DK, Veerasamy R, Rajak H. Pharmacophore based 3D- QSAR, virtual screening and docking studies on novel series of HDAC inhibitors with thiophen linker as anticancer agents. Comb. Chem. High T Scr., 2016; 19: 735-751.</p> <p>27. Ravichandran V, Shalini S, Vasanthi S, Shaa SAA, Harish R. Green synthesis of silver nanoparticles using <i>Atrocarpus attilis</i> leaf extract and the study of their antimicrobial and antioxidant activity. Mat. Lett., 2016; 180: 264-267.</p> <p>28. Sridevi Ch, Fuloria NK, Fuloria S, Sundram K, Veerasamy R, Nemala AR, Yi LJ, Ilan AX, Ali Shah SA. Synthesis and antibacterial profile of novel azomethine derivatives of β- phenylacrolein moiety. Trop. J. Pharm. Res., 2016; 15: 821-826.</p> <p>29. Ravichandran V, Shalini S, Venkateskumar K, Harish R. Ligand based studies on oxazolidinones as HIV-1 protease inhibitor. Chemo. Intell. Lab. Syst., 2016; 154: 52- 61.</p> <p>30. Ravichandran V, Harish R, Shalini S, Suresh Kumar K. A QSAR study on quinolinecarbaldehyde derivatives as potential anti-tubercular agent. Thai J. Pharm. Sci., 2016: 40: 72-81.</p>
On-going Research	<ol style="list-style-type: none"> 1. Biosynthesis and characterization of metal nanoparticles using plant extract 2. Docking studies to determine the interaction mechanism of chemical compounds against COVID-19 3. An Investigation on Male contraception activity of extracts of Hibiscus species- Mechanistic studies 4. Design and synthesis of new 6-azauridine nucleoside analogues against DENV-2 virus NGC strain: A molecular docking, 3D-QSAR and in vitro C6/36 cell line activity based anti- dengue study 5. QSAR studies to explore anti-HIV, antidiabetic, antitubercular agents 6. Phytochemical and biological screening of Malaysian medicinal plants
Completed Research	<ol style="list-style-type: none"> 1. Study on mechanistic aspects of durian fruit waste (rind and seed) mediated green synthesis of silver nanoparticles as antimicrobial agent against food and waterborne microbes 2. Exploring QSAR of some anti-HIV agents Biological screening of Malaysian mussels 3. Knowledge, Attitude and Perception (KAP) of pharmacovigilance and

	<p>adverse drug reaction reporting among the health care profession students in Malaysia</p> <ol style="list-style-type: none"> 4. QSAR studies to explore anti-HIV, antidiabetic, antitubercular agents 5. Synthesis and biological evaluation of heterocyclic compounds 6. Analytical method development and validation for pharmaceuticals
<p>Research Grants</p>	<ul style="list-style-type: none"> ➤ An Investigation on Male Contraception Activity of Extracts of Hibiscus Species- Mechanistic Studies, FRGS grant from Ministry of Higher Education (MOHE), Government of Malaysia, 2015, RM 112,200 – Role: Co-Investigator, in progress. (Ref: FRGS/1/2018/WAB13/AIMST/02/1) ➤ Design and synthesis of new 6-Azauridine nucleoside analogues against DENV-2 virus NGC strain: A molecular docking, 3D-QSAR and in vitro C6/36 cell line activity based anti- dengue study, FRGS grant from Ministry of Higher Education (MOHE), Government of Malaysia, 2018, RM 147,800 – Role: Co-Investigator, in progress. (Ref: FRGS/1/2018/SKK06/AIMST/02/3) ➤ Study on mechanistic aspects of durian fruit waste (rind and seed) mediated green synthesis of silver nanoparticles as antimicrobial agent against food and waterborne microbes, FRGS grant from Ministry of Higher Education (MOHE), Government of Malaysia, 2015, RM 98,600 – Role: Principal Investigator, Completed. (Ref: FRGS/1/2015/SKK08/AIMST/02/1) ➤ Exploring QSAR of some anti-HIV agents (AIMST University Research Grant, 2013, RM. 10,000 – Role Principal Investigator, Completed. ➤ Biological screening of Malaysian mussels (AIMST University Research Grant, 2013, Co- investigator), 2013, RM. 10,000– Role: Co-investigator, Completed. ➤ Knowledge, Attitude and Perception (KAP) of pharmacovigilance and adverse drug reaction reporting among the health care profession students in Malaysia (AIMST University Research Grant), 2013, RM. 10,000 – Role: Co-investigator, Completed ➤ Community pharmacists’ attitude towards professional practice in Malaysia (AIMST University Research Grant), 2013, RM. 10,000 – Role: Co-investigator, Completed.

Awards	<ul style="list-style-type: none"> ➤ Received Illustrious Alumnus Award, Diamond Jubilee Celebration, 6-7th February 2016, Department of Pharmaceutical Sciences, Dr. H. S. Gour Vishwavidyalaya, Sagar (MP), India. ➤ Received Young Scientist Award - Pharmacy, Aufau International Award 2016, Aufau Periodicals, 4th June 2016, Hotel Silver Palace, Salem, India. ➤ Received Teaching and Research Excellence Award, IRDP Group of Journals, Chennai, India, 14th October 2017. ➤ Top Producing Author in Publications- AIMST University (Information from Thomson Reuters, Web of Science, 2014) ➤ Profile Included in Various International Biography Publications. ➤ Awarded Doctoral Fellowship, 2005- 2008 (AICTE –QIP). ➤ Awarded Junior Research Fellowship by the UGC during the period 1997-1998. ➤ Has been appointed as Adjunct Professor for ITM School of Pharmacy, Baroda University, Gujarat, India, since December 2019. ➤ Has been appointed as Distinguished Faculty for Saveetha Dental College and Hospitals, Chennai, Tamilnadu, India, since 8th May2018. ➤ Received “Distinguished Scientist Award”, on 21 & 22 August 2020, at Madurai, India. ➤ Editorial Activity/Journal Reviewer: <ul style="list-style-type: none"> Expert Reviewer – 125 Journals, Associate Editor – 4 Journals, Advisory Editorial Board member - 4 Journals, Editorial Board Member – 19 Journals ➤ Adjudicator for PhD thesis: Banaras Hindu University (India), The Tamilnadu Dr. MGR Medical University (India), Annamalai University (India), PRIST University (India), Vels University (India), Bharathidasan University (India), Bharathiar University (India), NIRMA University (India), Siksha ‘O’ Anusandhan-Deemed University (India), AIMST University (Malaysia), JSS Academy of Higher Education & Research (Deemed to be University, India), Periyar Maniammai University of Science and Technology (Deemed to be University, India), University of Madras (India), Ram Krishna Dharmarth Foundation University (India), Dr. HariSingh Gour Vishwavidyalaya (A Central University, India), Karpagam Academy of Higher Education (Deemed to be University, India). ➤ Adjudicator for Master thesis: AIMST University (Malaysia) <ul style="list-style-type: none"> ➤ Invited Speaker/ Guest Lecture – 12 ➤ Webinar (Resource Person) - 11
Professional Membership	<ul style="list-style-type: none"> ➤ Registered Pharmacist (Reg. No. 2547/A1) -Tamil Nadu Pharmacy Council, Chennai. ➤ Life member of Indian Pharmaceutical Association (TN/MDS/LM/0293). ➤ Life member of Indian Pharmacy Graduate Association (LM5984). ➤ Fellow Society for Applied Biotechnology, India. ➤ Life member of Society of Biological Chemist, India (3788). ➤ Member in Nanosociety, US.
Supervision	<p>Cosupervisor Master -1 completed, 2 Pursuing Ph.D – 1 Pursuing</p>

Teaching	The courses (including Post Graduate
Areas of Expertise	<ul style="list-style-type: none"> ➤ Design, Synthesis & Evaluation of Various Medicinal Compounds ➤ QSAR & Molecular Modelling Studies to Explore structure and Activity Relationships ➤ Phytochemical and Biological Investigation of Medicinal Plants ➤ Green Synthesis and Characterization of Metal Nanoparticles ➤ Development and Validation of Analytical Methods for Pharmaceuticals ➤ Knowledge, Attitude and Perception (KAP) studies
Contact Details	<p>Dr. V. Ravichandran, Professor and Head, Pharmaceutical Chemistry Unit, Faculty of Pharmacy, AIMST University, Semeling - 08100, Malaysia. Off:+6 04 4298000 Extn:1278. H/P: +6 016 4581626.</p> <p>Email: ravichandran_v@aimst.edu.my sameshyaravi@gmail.com</p>