

CURRICULUM VITAE

PERSONAL INFORMATION

Name: Srinivasan Ramamurthy

Nationality: Indian

Job Title: Assistant Professor Marital Status: Married

College: College of Pharmacy & Health Sciences

Department: Pharmaceutical Sciences

Date of Birth: 26/04/1978

Moile Number: +971543908947

E-mail: s.ramamurthy@ustf.ac.ae

EDUCATIONAL BACKGROUND

1. Doctorate

University: The Tamilnadu Dr MGR Medical University

Country: India

Date of Obtaining degree: March 2009

Major: Pharmaceutical Sciences

Minor: NA

Title: Investigations on certain indigenous medicinal plants for anticancer activity.

2. Master

University: Rajiv Gandhi Proudyogiki Viswavidyalaya

Country: India

Date of Obtaining degree: April 2003

Major: Medicinal and Pharmaceutical Chemistry

Minor: NA

Title: Development of analytical methods for simultaneous estimation of paracetamol and domperidone in tablet dosage form by UV spectrophotometry.

3. Bachelor

Internet

University: The Tamilnadu Dr MGR Medical University

Beginner

Country: India

Date of Obtaining degree: April 1999

COMPUTER SKILLS			
MS Word	② Beginner	Intermediate	√ Advanced
MS Excel	② Beginner	Intermediate	√ Advanced
MS Power Point	② Beginner	Intermediate	√ Advanced
MS Outlook	② Beginner	② Intermediate	√ Advanced

Intermediate

√ Advanced

LANGUAGE SKILLS					
Arabic	② Beginner	Intermediate	√Advanced		
English	② Beginner	Intermediate	√ Advanced		
Tamil	2 Beginner	Intermediate	2 Advanced		

PROFESS	IONAL EXPE	RIENCE		
From	То	Position	Employer	Country
(year)	(year)			
August	Till date	Assistant Professor,	University of Science & Technology of	UAE
2018		College of Pharmacy &	Fujairah (Former Ajman University),	
		Health Sciences	Fujairah	
Dec	August	Senior Lecturer & Head	International Medical University	Malaysia
2008	2018	of Pharmaceutical		
		Chemistry Department,		
		School of Pharmacy		
Dec	Nov	Officer in	Sun Pharmaceutical Industries Limited,	India
2007	2018	Pharmacokinetics R& D		
March	Nov	Executive in Bioanalytical	Macleod's Pharmaceutical Limited	India
2007	2007	R& D.		
May	March	Junior and Senior	JSS College of Pharmacy	India
2004	2007	Research Fellow in TIFAC		
		CORE		
April	April	Executive E2 in	The Himalaya Drug Company	India
2002	2004	phytochemistry lab of R		
		& D		

EDUCATIONAL EX	(PERIENCE		
Academic Year	Course Title	Academic Year	Course Title
2018- Till date	Instrumental Analysis-II	2008-2018	Pharmaceutical Analysis-I
	Pharmaceutical Analytical		Pharmaceutical Analysis-II
	Chemistry-II		
	Biochemistry-I		Pharmaceutical Analysis-III
	Instrumental Analysis-I		Analytical Method Validation
	Pharmaceutical Analytical		Advanced Medicinal Chemistry
	Chemistry-I		
	Biochemistry-II		Bioanalysis
	Biochemistry/Dentistry		Analytical Chemistry for
			Biotechnologists II,
	Pharmaceutical Technology		Natural Products in Medicine
	Training		
			Organic Chemistry
			Pharmaceutical Engineering-I
			Botany and Medicinal
			Chemistry
			Natural Products

PUBLICATIONS

1. Books

NA

2. Book Chapters

Book Name: Pathology 1st Edition, Oxidative Stress and Dietary Antioxidants

Title of Book Chapter: Protective role of Epigallocatechin gallate (EGCG), a dietary antioxidant against oxidative stress in various diseases; Chapter No: 21

Authors: Punniyakoti Veeraveedu Thanikachalam, Srinivasan Ramamurthy, Anoop Kumar, Meenakshi Gupta, Garima Bansal.

Editors: Victor Preedy; Paperback ISBN: 9780128159729; Imprint: Academic Press; Published

Date: 18th May 2020; Publisher: Elsevier Inc

3. Journal Articles [For the Last 5 years (2016-2021)]

- Bipul Ray, Girish Ramesh, Sudhir Rama Verma, Srinivasan Ramamurthy, Sunanda Tuladhar, Arehally Marappa Mahalakshmi, Musthafa Mohamed Essa, Saravana Babu Chidambaram (2021). Effects of Telmisartan, an AT1 receptor antagonist, on mitochondria-specific genes expression in a mouse MPTP model of Parkinsonism. Frontiers in Bioscience-Landmark 8, 262–271. (Impact Factor: 4.09) Tier: Q1
- 2. Nireeksha; Varma, S.R.; Damdoum, M.; Alsaegh, M.A.; Hegde, M.N.; Kumari, S.N.; Ramamurthy, S.; Narayanan, J.; Imran, E.; Shabbir, J.; et al (2021). Immunomodulatory Expression of Cathelicidins Peptides in Pulp Inflammation and Regeneration: An Update. Current Issues in Molecular Biology. 43, 116–126. (Impact Factor: 2.695) Tier: Q2
- 3. Bhojaraj Saravanan, Ananda Kumar Thirumoorthy Durai, Ghosh Abhinav Raj, Sushmitha BS, **Ramamurthy Srinivasan**, Velusamy Thirunavukkarasu, Ramesh Thiyagarajan, Jayanthi MK, Essa Musthafa Mohamed, Chidambaram Saravana Babu, Qoronfleh M. Walid **(2021)**. Biosimilars: An Update. International Journal of Nutrition, Pharmacology, Neurological Diseases, 11(1), 7-16. **(Impact Factor: 0.5) Tier: Q3**
- 4. Amitha Ramesh, Sudhir Rama Varma, **Srinivasan Ramamurthy**, Maher al Shayeb, Moyad Shahwan, Abed M. Atia Elkaseh, Al Moutassem Billah Khair, Adil Mageet, Madeeha Arif, Biju Thomas, Pavithra Jaganathan, Suchetha Shetty, Sharmila K.P **(2021)**. Role of sToll-like receptors 2 and 4 in stage 2 periodontitis patients with and without type 2 diabetes: A Randomized clinical control trial. Research Journal of Pharmacy and Technology, 14(1):397-404. **(Impact Factor: 0.410) Tier: Q2**
- Parolia A, Kumar H, Ramamurthy S, Madheswaran T, Davamani F, Pichika MR, Mak, KK, Fawzy AS, Daood U, Pau A (2021). Effect of Propolis Nanoparticles against Enterococcus faecalis Biofilm in the Root Canal. Molecules, 26, 715. (Impact Factor: 3.267) Tier: Q2
- Ebenezer Chitra, Srinivasan Ramamurthy, Shar Mariam Mohamed, Vishna Devi Nadarajah (2020). Study of the impact of objective structured laboratory examination to evaluate students' practical competencies. Journal of Biological Education, DOI:10.1080/00219266.2020.1858931. (Impact Factor: 0.764) Tier: Q2
- 7. Abhishek Parolia, Haresh Kumar, **Srinivasan Ramamurthy**, Fabian Davamani, Allan Pau **(2020).** Effectiveness of chitosan-propolis nanoparticle against Enterococcus faecalis biofilms in the root canal. BMC Oral Health 20, 339. https://doi.org/10.1186/s12903-020-01330-0. **(Impact Factor: 1.461) Tier: Q2**
- 8. Alqahtani AM, Kumarappan C, Kumar V, **Srinivasan R**, Krishnaraju V **(2020).**Understanding the genetic aspects of resistance to antidepressants treatment.

European Review for Medical and Pharmacological Sciences: 24: 7784-7795. DOI: 10.26355/eurrev_202007_22281. (Impact Factor: 3.024) Tier: Q2

- Bansal G, Veeraveedu Thanikachalam P, Maurya RK, Chawla P, Ramamurthy S (2020). An overview on medicinal perspective of thiazolidine-2,4-dione: A remarkable scaffold in the treatment of type 2 diabetes. Journal of Advanced Research: 23:163-205. doi: https://doi.org/10.1016/j.jare.2020.01.008. (Impact Factor: 5.045) Tier: Q1
- Mamat NH, Nadarajah VD, Er HM, Ramamurthy S, Pook PCK (2019). Student evaluation of the learning environment in an undergraduate pharmacy programme: Lessons for educators. Medical Teacher: 9 Sep 6:1-8. doi: 10.1080/0142159X.2019.1654089. (Impact Factor: 2.706) Tier: Q1
- 11. **Ramamurthy S**, Er HM, Devi Nadarajah V, Radhakrishnan AK (2019). Medical students' orientation toward lifelong learning in an outcome-based curriculum and the lessons learnt. Medical Teacher: Aug 13:1-6. doi: 10.1080/0142159X.2019.1646894. (*Impact Factor: 2.706*) *Tier: Q1*
- 12. Teik Hwa Ong , Ebenezer Chitra , **Srinivasan Ramamurthy**, Catherine Chong Sze Ling, Stephen Periathamby Ambu, Fabian Davamani (2019). Cationic chitosan-propolis nanoparticles alter the zeta potential of S. epidermidis, inhibit biofilm formation by modulating gene expression and exhibit synergism with antibiotics. PLoS ONE 14(2): e0213079. *(Impact Factor: 2.766) Tier: Q1*
- 13. Kit-Kay Mak, Joe-Jen Tan, Puvaneswari Marappan, Madhu Katyayani Balijepalli, Hira Choudhury, **Srinivasan Ramamurthy** and Mallikarjuna Rao Pichika. Galangin's potential as a functional food ingredient. (2018). Journal of Functional Foods, vol.46; 490 503. *(Impact Factor: 3.144) Tier: Q1*
- 14. Qian Yi Eng, Punniyakoti Veeraveedu Thanikachalam and **Srinivasan Ramamurthy**. Molecular understanding of Epigallocatechin gallate (EGCG) in cardiovascular and metabolic diseases. (2018). *Journal of Ethnopharmacology*, vol.210; 296 310. (*Impact Factor: 2.981*) *Tier: Q1*
- 15. Thanikachalam PV, **Ramamurthy S**, Wong ZW, Koo BJ, Wong JY, Abdullah MF, Chin YH, Chia CH, Tan JY, Neo WT, Tan BS, Khan WF, Kesharwani P. Current attempts to implement microRNA-based diagnostics and therapy in cardiovascular and metabolic disease: a promising future. (2018). Drug Discovery Today.23 (3); 460-480. (*Impact Factor: 6.369*) *Tier: Q1*
- 16. Muhammad Daniel Azlan Mahadzir, Sangeetha Shyam, Ankur Barua, Purushotham, Krishnappa and Srinivasan Ramamurthy. Effect of Probiotic Microbial Cell Preparation (MCP) on Fasting Blood Glucose, Body Weight, Waist Circumference, and Fecal Short Chain Fatty Acids among Overweight Malaysian Adults: A Pilot Randomised Controlled Trial of 4 Weeks. (2017). Malaysian Journal of Nutrition, 23(3); 329-341. Tier: Q3
- 17. Zheng Wei Wong, Punniyakoti Veeraveedu Thanikachalam and **Srinivasan Ramamurthy.**, 2017. Molecular understanding of the protective role of natural

products on isoproterenol-induced myocardial infarction: A review. *Biomedicine* & *Pharmacotherapy* 94 (2017) 1145–1166. (*Impact Factor: 2.759*) *Tier: Q2*

- 18. Hasini Banneheke , Vishna Devi Nadarajah , Srinivasan Ramamurthy, Afshan Sumera , Sneha Ravindranath , Kamalan Jeevaratnam , Benny Efendie , Leela Chellamuthu , Purushotham Krishnappa and Ray Peterson., 2017. Student preparedness characteristics important for clinical learning: perspectives of supervisors from medicine, pharmacy and nursing. BMC Medical Education, 17:130. (Impact Factor: 1.572) Tier: Q1
- Senthil Rajan Dharmalingam, Srinivasan Ramamurthy, Sai Siddhardh and MD Basheerudhin. 2017. Bioanalytical Method Development and Validation of Naproxen: Application to Bioequivalence Studies. International Journal of Pharmaceutical Quality Assurance, 8(2); 49-53. (Impact Factor: 1.041) Tier: Q3
- 20. Ong TH, Chitra E, **Ramamurthy S**, Siddalingam RP, Yuen KH, Ambu SP and Fabian D., 2017 Chitosan-propolis nanoparticle formulation demonstrates antibacterial activity against Enterococcus faecalis biofilms. *PLoS ONE*, 12(3): e0174888. https://doi.org/10.1371/journal. pone.0174888 (Impact Factor: 3.057) Tier: Q1
- 21. Xin Yu Leong, Punniyakoti Veeraveedu Thanikachalam, Manisha Pandey and Srinivasan Ramamurthy., 2016. A systematic review of the protective role of swertiamarin in cardiac and metabolic diseases. *Biomedicine & Pharmacotherapy*, 84, 1051–1060. (*Impact Factor: 2.326*) *Tier: Q2*
- 22. **Ramamurthy, S.**, Meng Er, H., Nadarajah, V. and Pook, P., 2016. Study on the impact of open and closed book formative examinations on pharmacy students' performance, perception, and learning approach. *Currents in Pharmacy Teaching and Learning*, 8(3), pp.364-374. *Tier: Q1*
- 23. Qian, Y.S., **Ramamurthy, S.**, Candasamy, M., Shadab, M., Kumar, R.H. and Meka, V.S., 2016. Production, characterization and evaluation of Kaempferol Nanosuspension for improving oral Bioavailability. *Current pharmaceutical biotechnology*, 17(6), pp 549-555. *(Impact Factor: 1.802) Tier: Q1*

4. Conferences [For the Last 5 years (2016-2021)]

- Molecular Understanding of the Protective Role of Hyperoside on Cardiac and Metabolic Diseases, Dubai International Pharmaceuticals and Technology, DUPHAT 2020, February 25-27, 2020 at Dubai International Convention and Exhibition Center, Dubai, United Arab Emirates. (Poster Presentation)
- 2. Molecular aspects of epigallocatechin gallate (EGCG) in cardiovascular disease, International Conference cum Workshop on Informatics tools in Drug Discovery and Drug Delivery, November 1-4, 2018 at Panjabi University, Patiala, Punjab, India. (Poster Presentation)
- 3. Molecular aspects of the protective role of natural products on isoproterenol-induced myocardial infarction, International Conference cum Workshop on

Informatics tools in Drug Discovery and Drug Delivery, November 1-4, 2018 at Panjabi University, Patiala, Punjab, India. (Poster Presentation)

- 4. Development of lifelong learning skills among medical students, 9th AMEA Symposium cum Frontiers in Medical and Health Sciences Education 2017: "Preparing Healthcare Learners for a Changing World" Li Ka Shing Faculty of Medicine, The University of Hong Kong, Hong Kong during December14-16, 2017. (Poster Presentation)
- 5. Curricular Approach towards Development of Lifelong Learning Attitude in Outcome-Based Education, The 1st ASEAN Medical Education Conference (AMEC) at the Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand during May 16-19, 2017.) [Best Poster Presentation in the Conference].
- Evaluation of the quality of Multiple Choice Questions (MCQs) using Item analysis: Lessons learned from IMU BPharm Programme, 12th International Medical Education Conference (IMEC-2017) at International Medical University, Kuala Lumpur, Malaysia during April 7- 9, 2017. (Oral Presentation)
- Development of Lifelong Learning Attitude In An Outcome-Based Curriculum: A Preliminary Study Among Undergraduate Pharmacy Students. 12th International Medical Education Conference (IMEC-2017) at International Medical University, Kuala Lumpur, Malaysia during April 7- 9, 2017.
- 8. Pharmacy Student Evaluation of the Learning Environment: Lessons for Educators, 12th International Medical Education Conference (IMEC-2017) at International Medical University, Kuala Lumpur, Malaysia during April 7- 9, 2017. (Oral Presentation) [Best Oral Presentation in the Conference].
- Chitosan-propolis nanoformulation for combating Enterococcus faecalis biofilms in vitro, 8th World Medical Nanotechnology Congress & Expo, June 08-09, 2016 Dallas, USA. (Oral Presentation)
- Effect of a 4 week probiotic supplementation on fasting blood glucose levels, body weight, waist circumference, and fecal short chain fatty acids among overweight Malaysian adults: A pilot randomized controlled trial. 31st Scientific Conference of the Nutrition Society of Malaysia, Hotel Istana Kuala Lumpur, May 31st – June 1st, 2016. (Oral Presentation)
- 11. Influence of open and closed book examinations on health science students' learning approach. 17th Ottawa Conference 2016 and the ANZAHPE 2016 Conference. March 19-23, 2016, Perth, Western Australia.
- 12. Work readiness: Self-perception of health science graduates following an internship programme. 17th Ottawa Conference 2016 and the ANZAHPE 2016 Conference. March 19-23, 2016, Perth, Western Australia.

13. Study on pharmacy students' preparedness for clinical learning: supervisors and students' perspective. 17th Ottawa Conference 2016 and the ANZAHPE 2016 Conference. March 19-23, 2016, Perth, Western Australia.

PROFESSIONAL AND ACADEMIC ACTIVITIES

1. Professional Training [For the Last 5 years (2016-2021)]

- Participated in CME Webinar on "Vaccines: Development, Regulatory and Safety Issues" as a delegate on 4th March 2021 organised by RAK College of Pharmaceutical Sciences, UAE
- Completed 4 weeks online Faculty Development Programme (MOOC) on "Effective Use of ICT Tools in Teaching and Learning" conducted during 8th June to 7th July 2020. Jointly organized by Modern College of Pharmacy and and Association of Pharmaceutical Teachers of India
- Participated in online international webinar on "Innovations in Pharmaceutical Sciences" conducted during 2nd & 3rd June 2020. Jointly Organized by Santhiram College of Pharmacy and Association of Pharmaceutical Teachers of India
- Online non-credit Course on "Instructional Methods in Health Professions Education" Offered by University of Michigan through Coursera

2. Workshops [For the Last 5 years (2016-2021)]

- Participated in webinar on "Role of NMR in the Structural Analysis of Organic Compounds" conducted 20th May 2020. Organised by Vignan Pharmacy College, India.
- Participated in the "Pre-Conference Workshop on Technology for Lifelong Learning in Health Professions" held at the International Medical Education Conference (IMEC-2018), Bukit Jalil Campus, IMU, Malaysia, Kuala Lumpur on 13th April 2018.
- Participated in the "Pre-Conference Workshop on Designing for Online Learning: Begin with End in Mind" held at the International Medical Education Conference (IMEC-2017), Bukit Jalil Campus, IMU, Malaysia, Kuala Lumpur on 7th April 2017
- Participated in the "Pre-Conference Workshop on Research Networking sans Borders in Health Profession Education" held at the International Medical Education Conference (IMEC-2017), Bukit Jalil Campus, IMU, Malaysia, Kuala Lumpur on 7th April 2017.
- Participated in the Thermo Scientific Master the Art of Chromatography Seminar held at the Putrajaya Marriott Hotel, Kuala Lumpur on 23rd March 2017.
- Participated in the "Workshop on Nanomedicine is Key to New Generation of Drug Delivery: Myth or Reality" held at the International Medical University, Bukit Jalil Campus, IMU, Malaysia, Kuala Lumpur on 1st August 2016.
- Participated in the "Pre-Conference Workshop on Developing Assessment Methods for Cultural Competence and Values for Health Professionals" held at the

International Medical Education Conference (IMEC-2016), Bukit Jalil Campus, IMU, Malaysia, Kuala Lumpur on 20th April, 2016.

3. Master Theses Supervision

 Development of an oral doxorubicin nanoparticulate delivery system for adenocarcinoma (Role: Co-supervision)- 2015) Status: Completed in 2016

4. Doctorate Theses Supervision

- Controlled delivery of microbicides from intra-vaginal polymer matrices for the treatment and prevention of trichomoniasis and bacterial vaginosis. (Role: Cosupervision)- Status: Ongoing
- Effectiveness of novel chitosan-flavonoids (propolis extract) nanoformulations against Enterococcus faecalis biofilms in the root canal using extracted human tooth model. (Role: Co-supervision) Status: Completed in 2020
- Development of chitosan-propolis nanoparticle formulation as an antibacterial agent for eradication of biofilms formed by enterococcus faecalis and staphylococcus epidermidis. (Role: Co-supervision) Status: Completed in 2018

MEMBERSHIP OF PERIODICALS AND SCIENTIFIC JOURNALS

Reviewer for the following scientific journals:

- Natural Products Research.
- Journal of Diabetes.
- Journal of King Saud University (Science).
- International Journal of Applied Research in Natural Products.
- Brazilian Archives of Biology and Technology.
- Journal of Basic and Clinical Physiology and Pharmacology (JBCPP).
- Malaysian Journal of Pathology

External examiner for the evaluation of PhD thesis for the following Universities:

- The Tamil Nadu Dr.MGR Medical University, Chennai, Tamil Nadu, India
- The Manipal University, Karnataka, India
- Vellore Institute of Technology, Vellore, Tamil Nadu, India
- Karpagam University, Coimbatore, Tamil Nadu, India
- Vinayaga Mission University, Salem, Tamil Nadu, India
- Vels University, Chennai, Tamil Nadu, India
- Dr MGR Educational and Research Institute University, Chennai, Tamil Nadu, India
- PRIST University, Thanjavur, Tamil Nadu, India
- Jaypee University of Information Technology, Solan, Himachal Pradesh, India

External examiner for the evaluation of Master thesis for the RAK Medical & Health Sciences University, Ras-Al-Khaimah, UAE.

Member of organizing workshop/conference:

- Basic and Intermediate HPLC workshops, International Medical University
- International Medical Education Conference (IMEC 2015, 2016, 2017 & 2018)
- Joint Malaysia-UK symposium on Natural Product Chemistry and Drug Discovery-2014
- Chemistry Fiesta: Science Discovery Challenge-2016

AWARDS

- Best Poster award (3rd Prize) received by group of students supervised by me for their presentation entitled "The Role of Drug Repurposing in Tackling the COVID 19 Pandemic", Dubai International Pharmaceuticals and Technology, DUPHAT 2021, April 5-7, 2021 at Dubai International Convention and Exhibition Center, Dubai, United Arab Emirates
- The Grand Winner of UAE Hackathon 2021 award (Cash prize AED 50000) won by my group students for our innovative idea on "CommunoHealth App" proposal on March 2021.
- Best Poster award (3rd Prize) received by group of students supervised by me for their presentation entitled "Role of Artificial Intelligence (AI) in Drug Discovery" (DUPHAT 196), Dubai International Pharmaceuticals and Technology, DUPHAT 2020, February 25-27, 2020 at Dubai International Convention and Exhibition Center, Dubai, United Arab Emirates.
- Received Best Poster Presentation award for the presentation entitled "Curricular Approach towards Development of Lifelong Learning Attitude in Outcome-Based Education" in The 1st ASEAN Medical Education Conference (AMEC) at the Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand during May 16-19, 2017.
- Received Best Oral Presentation award for the presentation entitled "Pharmacy Student Evaluation of the Learning Environment: Lessons for Educators" in the 12th International Medical Education Conference (IMEC-2017) at International Medical University, Kuala Lumpur, Malaysia during April 7-9, 2017.
- Achievement award for the development of new programmes and successful launching of Master of Science in Analytical & Pharmaceutical Chemistry (MAPC), 2013, International Medical University, Kuala Lumpur, Malaysia.
- Oral Presentation Merit award received by my Co-author for the presentation entitled "Influence of open and closed-book examinations on pharmacy students' learning approach". Frontiers in Medical and Health Sciences Education 2013 held at The University of Hong Kong, Hong Kong during 6-7 Dec 2013.

- Best Poster award received by my research student for the presentation entitled "Antiproliferative Activity of Hopea ponga and Hopea odorata Leaves and Stem Bark on Leukemia Cancer Cell Lines (CEM-SS)" in the Proceeding of the Malaysian Pharmaceutical Society Pharmacy Scientific Conference (MPS-PSC) 2012 held at Kuala Lumpur, Malaysia during 31st October – 2nd November 2012.
- Received Best Poster award for the presentation entitled "In vitro
 Antioxidant Evaluation of Ipomoea obscura (L) Ker-Gawl Whole
 Plant" in the International conference on Health sciences held at Mysore, Karnataka,
 India during February 25- 26, 2005.