

Curriculum Vitae

Name : Dr. Suresh Kumar. S

Current affiliation : Chairperson-in-charge, Associate Professor,
Department of Pharmacology,
RAKCOMS, RAKMHSU
Ras Al Khaimah, UAE

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Educational Qualifications: **M.B.B.S (1999-2005)** from Kempegowda Institute of Medical Sciences, Bengaluru, under the Rajiv Gandhi University of Health Sciences.

MD (2008-2011) in Pharmacology from Jawaharlal Institute of Postgraduate Medical Education & Research (JIPMER), Pondicherry-6

DM (2011-2014) in Clinical Pharmacology from JIPMER, Pondicherry-6

Experience:

Junior resident (3 years):

MD (1.4.2008 - 31.3.2011) in Pharmacology: during the tenure involved in teaching undergraduate students (MBBS, BSc nursing, BSc MLT). Actively participated in designing and conduct of pharmacogenomics studies such as involving genetic polymorphisms of *eNOS*.

Assistant Professor (4months):

Department of Pharmacology, Karpaga Vinayaga Medical College, Chennai, during 26.4.2011 and 10.8.2011.

Senior resident (3 years):

DM Clinical Pharmacology (**16.8.2011-14.8.2014**): involved in teaching graduate and post graduate students and research of following studies

- Involved in phase 4 study “Randomised double blind placebo controlled trial sodium ozagrel and edaravone in acute ischemic stroke”
- Cardiopulmonary exercise testing in South Indian healthy volunteers
- Effect of vitamin D on vascular health in hypertensives with vitamin D deficiency
- Population pharmacokinetics and pharmacogenomics of tacrolimus in renal transplant patients

Assisted in reviewing clinical trial protocols of dermatology and neurology submitted to New Drugs Advisory Committee (DCGI, Regulatory body of India)

Assisted in conduct of Institute ethics committee (IEC) meetings

Writing protocols manuscripts for academic clinical and pharmacogenomics studies.

Assistant Professor (3 years)

Department of Pharmacology, Karuna Medical College, Palakkad from **18.08.2014 to 19.8.2017**

Assistant Professor

Department of Pharmacology, RAK College of Medical sciences (RAKCOMS), RAKMHSU, Ras Al Khaimah, UAE **20.8.2017 to 31.8.20**

Associate Professor

Department of Pharmacology, RAK College of Medical sciences (RAKCOMS), RAKMHSU, Ras Al Khaimah, UAE since **01.9.2020**

Publications:

1. Chakradhara Rao US, Suresh Kumar S. Is high frequency yawning: a behavioural event of ethanol withdrawal? Med Hypotheses 2011; 77:935-6.
2. CRS Uppugunduri, S Kumar. Role of activating transcription factor (ATF-2) in breast cancer: a possible cross talk with CYP2C19* 17 allele. Hypotheses in the Life Sciences, 2012.
3. Kumar SS, Kumar AA, Padmapriya R, Chandrasekaran A. Effect of eNOS polymorphisms on salbutamol evoked endothelium dependent vasodilation in South Indian healthy subjects. Indian J Pharmacol 2013; 45:9-12
4. George M, Selvarajan S, S SK, Dkhar SA, Chandrasekaran A. Globalization of Clinical Trials - Where are We Heading? Curr Clin Pharmacol 2013; 8:115-23.
5. Sandhiya S, Melvin G, Suresh Kumar S, Steven AD. Clinical trials in India: Where do we stand globally? Perspectives in Clinical Research 2013; 4:160-4.
6. Sandhiya S, Melvin G, Suresh Kumar S, Steven AD. Recent advances in cancer vaccines – an update. Journal of Cancer Research Updates 2012; 1:173-180.
7. Sandhiya S, Melvin G, Suresh Kumar S, Steven AD. The dawn of hedgehog inhibitors: Vismodegib. Journal of pharmacology and pharmacotherapeutics 2013; 4:4-7.
8. Kola S, George M , Srinivasamurthy S, Selvarajan S, Tamilarasu K, Swaminathan R et al. Assessment of Arterial Stiffness Index in Hypertensive Patients in Relation to Their

Treatment Status Attending a Tertiary Care Center in South India. Pharmacology & Pharmacy 2014; 5:413-8.

9. Arunkumar AS, Sureshkumar S, Umamaheswaran G, Balachandar J, Adithan C. Cytochrome P450 genetic variants and hypertension risk in South Indian population. J Young Pharm 2014; 6: Jan-Mar
10. Rao KS, SureshKumar S, Umamaheswaran G, Paul A, Dubashi B, Gunaseelan K, Dkhar SA. Frequency distribution of DNA repair genes ERCC1 and ERCC2 polymorphisms in South Indian healthy population. Environ Toxicol Pharmacol. 2014; 38:480-488.
11. Arun Kumar AS, Kumar SS, Umamaheswaran G, Kesavan R, Balachandar J, Adithan C. Association of CYP2C8, CYP2C9 and CYP2J2 gene polymorphisms with myocardial infarction in South Indian population. Pharmacol Rep 2015; 67:97-101.
12. Shah NJ, Sureshkumar S, Shewade DG. Metabolomics: A Tool Ahead for Understanding Molecular Mechanisms of Drugs and Diseases. Indian J Clin Biochem. 2015; 30:247-54.
13. M Palaniappan, SK Srinivasamurthy, B Dubashi, SA Dkhar, A Chandrasekaran. Neurological adverse drug reactions of anticancer drugs. Int. J. of Res. in Pharmacology and Pharmacotherapeutics 2014; 3; 152-7.
14. M Palaniappan, SK Srinivasamurthy, B Dubashi, SA Dkhar, A Chandrasekaran. Anticancer drug induced palmar plantar erythrodysesthesia. J Clin Diagn Res. 2014; 8(10): HC01–HC03.

15. M Palaniappan, Sandhiya S, Sureshkumar S, Adithan C. Oyster shell calcium induced parotid swelling. J Pharmacol Pharmacother. 2014; 5: 256–7.
16. Kuruvilla A, Sureshkumar S. Postgraduate pharmacology curriculum in medical institutions: Emphasis on skill development. Indian J Pharmacol 2015;47:569 (Letter to Editor)
17. Bai M, Selvarajan S, Srinivasamurthy SK, Dutta TK, Shewade DG. Pattern of use of antibiotics in hospitalized patients in the medicine department of a tertiary care hospital. Int J Basic Clin Pharmacol 2015; 4:888-94.
18. JV Sagar, R Indla, R Roy, S Srinivasamurthy, A Kuruvilla. Comparative evaluation of the effects of visual aids on learning pharmacology of autonomic nervous system. J Contemp Med Edu 2015; 3: 189.
19. Srinivasamurthy SK, Kamalanathan SK, Kolar VV, Sundaram R, Goud CR, Chandrasekaran A. Effect of vitamin D on vascular health in hypertensive patients with vitamin D deficiency. Int J Basic Clin Pharmacol 2016; 5:2602-7.
20. Kodidela S, Kumar S S, Uppugunduri CR. Developmental pattern of hepatic drug-metabolizing enzymes in pediatric population and its role in optimal drug treatment. Arch Med Health Sci 2017; 5:115-22.
21. Selvarajan S, Gunaseelan V, Anandabaskar N, Xavier AS, Srinivasamurthy S, Kamalanathan SK, et al. Systematic review on vitamin D level in apparently healthy Indian population and analysis of its associated factors. Indian J Endocr Metab 2017; 21:765-75.
22. Roy R, Indla R, Chinnathambi T, Sureshkumar S, Vidhyasagar, Rahiman F. Green tea: is it a health drink or just a beverage? An observational study in over weight student volunteers. J PharmBiol Sci 2017; 5: 49-55

23. Ashokkumar R, Srinivasamurthy S, Kelly JJ, Howard SC, Parasuraman S, Uppugunduri CS. Frequency of chemotherapy medication errors: A systematic review. J Pharmacol Pharmacother 2018; 9:86-91
24. Suresh Kumar, Laxminarayana Kurady Bairy. Management of peripartum depression: better, prevent than treat! Int. J. of Adv. Res. 2018; 6:281-9
25. Goenka L, Uppugunduri Satyanarayana CR, S SK, George M. Neuroprotective agents in Acute Ischemic Stroke-A Reality Check. Biomed Pharmacother. 2019; 109:2539-2547.
26. Bairy LK, Kumar S. Neurotransmitters and neuromodulators involved in learning and memory. Int J Basic Clin Pharmacol 2019; 8:2777-82.
27. Narayanan SN, Bairy LK, Srinivasamurthy SK. Determining factors for optimal neuronal and glial Golgi-Cox staining. Histochem Cell Biol. 2020 Oct;154(4):431-448. doi: 10.1007/s00418-020-01891-9.
28. Samuel VP, Bairy LK, Bhat K, Sareesh NN, Sureshkumar, Hemant Yadav. Wound Healing Potential Of Azadirachta Indica (Neem) Leaves. European Journal of Pharmaceutical and Medical Research 2020;7:29-35
29. Khan MF, Rebello TP, Bairy LK, Sureshkumar S, Samuel VP, Sareesh NN. Efficacy of mupirocin with chitosan and collagen as compared to mupirocin only on experimentally induced incision wound healing in wistar rats. European Journal of Pharmaceutical and Medical research 2021;8:101-4.
30. Srinivasamurthy SK, Ashokkumar R, Kodidela S, Howard SC, Samer CF, Chakradhara Rao US. Impact of computerised physician order entry (CPOE) on the incidence of chemotherapy-related medication errors: a systematic review. Eur J Clin Pharmacol. 2021 Feb 23. doi: 10.1007/s00228-021-03099-9. Epub ahead of print. PMID: 33624119.

31. Bernhardt GV, Jhancy M, Bernhardt LK, Shivappa P, Kumar S, Pinto JRT. Cord blood neutrophil phagocytic index in neonates born to anemic mothers and in neonates born with risk of early-onset sepsis. *J South Asian Feder Obst Gynae* 2021;13(1):26–30
32. Srinivasamurthy SK, Kurady Bairy L. Vaccines against COVID-19 – Catching the Rays of Hope. *Journal of Pharmaceutical Research International*. 2021;33(47A). 469-88.
33. Mahwish N, Bairy LK, Srinivasamurthy S. Antivitamins: A Silver Lining in the Era of Antimicrobial Resistance. *Journal of Pharmacology and Pharmacotherapeutics*. 2022;13(1):5-13.
34. Jhancy M, Bernhardt GV, Srinivasamurthy S, Akram W, Haris AS. Seroprevalence of Pertussis Antibodies and Infection Risk Among Female Medical Students. *New Emirates Medical Journal*, 2022;3
35. Kamath A, Srinivasamurthy SK, Chowta MN, Ullal SD, Daali Y, Chakradhara Rao US. Role of Drug Transporters in Elucidating Inter-Individual Variability in Pediatric Chemotherapy-Related Toxicities and Response. *Pharmaceuticals (Basel)*. 2022 Aug 11;15(8):990. doi: 10.3390/ph15080990.
36. Bernhardt GV, Shivappa P, Bernhardt K, Bhat S, Pinto JRT, Jhancy M, Kumar S. Markers of inflammation in obese pregnant women: Adenosine deaminase and high sensitive C - reactive protein. *Eur J Obstet Gynecol Reprod Biol X*. 2022 Oct 14;16:100167. doi: 10.1016/j.eurox.2022.100167.
37. Salwa., Pasha, S. F. A., Wafeeqa Fatima, W. and Srinivasamurthy, S. K. (2022) “Gene Therapies for Spinal Muscular Atrophy and Duchenne Muscular Dystrophy: A Pathbreaking Moment in Therapeutics”, *Journal of*

Pharmaceutical Research International, 34(53B), pp. 15-35.
doi: 10.9734/jpri/2022/v34i53B7229.

38. Srinivasamurthy SK, Bairy LK, Naduvil SN. Comparison of microvascular endothelial function as measured by laser doppler flowmeter among non-smoker and smoker males. Int J Basic Clin Pharmacol 2023;12

Workshops/organizational activity: Member of organizing committee for

Annual National Workshops on “Basic Techniques in “Molecular Biology and Bioinformatics in Pharmacogenomic” from 2009 to 2013

“Good Clinical Practice in Clinical Trials” jointly organized by Division of Clinical Pharmacology with Pfizer on 25th September 2010.

“Pharmacovigilance Awareness Programme” organized by Department of Pharmacology JIPMER from 21st-23rd Feb, 2011.

“Workshop on Pharmacovigilance” organized by Department of Pharmacology, JIPMER held during March 29-30 2011

“Workshop on Clinical Research for Clinical Investigators” organized by Department of Pharmacology jointly with Indian Society for Clinical Research held during October 21-22 2011.

“Advanced Pharmacovigilance Workshop” jointly organized by Department of Pharmacology JIPMER, Abbott Knowledge Academy & Indian Pharmacological Society on 29th Sep 2012

“Workshop on Bioethics for members of Institute Ethics Committee” organized by Division of Clinical Pharmacology, JIPMER on 3rd April 2013.

Workshop on Good Clinical Research Practice on 22nd and 23rd August, 2014

As resource person for CME on therapeutic drug monitoring at

Workshop on Developing a Protocol for a Cochrane Systematic Review scheduled during February, 13-17th 2017 at the Christian Medical College, Bagayam, Vellore.

Conferences Attended: Participated in Annual Conference of **“Southern Regional Indian Pharmacological Society”** at JIPMER, from July 11th to 13th 2008.

Participated in **“Annual Conference of Southern Regional Indian Pharmacological Society”** at PSG Institute of Medical Sciences and Research, Coimbatore, from November 12th to 14th 2009.

Participated in **“43rd Annual Conference of Indian Pharmacological Society IPSCON 2010”** at Food and Toxicological Research Centre, National Institute of Nutrition (ICMR), Hyderabad from 13th to 16th December 2010.

Participated part of team which won second prize in “National Pharmacology Quiz 2011” in **“44th Annual Conference of Indian Pharmacological Society IPSCON 2011”** organized by Department of Pharmacology, Kasturba Medical College Manipal University, Manipal held during 19-21, December, 2011.

Participated in **“46th Annual Conference of Indian Pharmacological Society IPSCON 2013”**, Bengaluru held during 16-18, December 2013

Papers Presented: Presented the paper titled **“Effect of eNOS Glu298Asp gene polymorphism on endothelium dependent vasodilation in healthy individuals”** in 43rd Annual Conference of Indian Pharmacological Society, at Food and Toxicological Research Centre, National Institute of Nutrition (ICMR), Hyderabad from 13th to 16th December 2010

Presented poster “**Trends in clinical trials in oncology with reference to global cancer statistics**” at Annual Conference of Southern Regional Indian Pharmacological Society SRIPS 2012 organized by Chettinad Hospital & Research Institute Kelambakkam, Kanchipuram, Tamil Nadu held during 8-9 September 2012

Poster presentation : Ravindra BK, Jose Francis, Suresh Kumar S, Sandhiya S, Vikneswaran G, Sreejith Parameswaran, et al. **Population pharmacokinetics and pharmacogenomics of tacrolimus in renal transplant patients- A pilot study** in 9th international annual conference of South Asian Chapter of American College of Clinical Pharmacology held during 28th – 30th April, 2016

Poster Presentation: Heena A, Phalguni SPA, Amreen PPS, Sureshkumar S, Bairy KL **Comparison of estimates of cancer incidence and prevalence, with clinical trials registered in select Middle East countries** in 9th RAKMHSU student conference held on 27.4.2018, at RAK, UAE

Chapters published:

Co-author in a chapter titled “**Pharmacogenomics and translational research**” in the book Translational research in New Drug Development. Vidyanilayam Prakashan Press, Delhi, Ed. Arunabha Ray, Kavita Gulati, Pg – 17 – 42, 2012.

- Sandhiya S, Melvin G, Suresh kumar S. “**Pharmacogenomics in type 2 diabetes mellitus and metabolic disorders**” in the book Omics for Personalized Medicine. Springer, Ed. Debmalya Barh, Dipali Dhawan, Nirmal Kumar Ganguly, Pg-561-573, 2013.
- Melvin G, Sandhiya S, Suresh kumar S. “**Pharmacogenomics of autoimmune diseases**” in the book Omics for Personalized Medicine. Springer, Ed. Debmalya Barh, Dipali Dhawan, Nirmal Kumar Ganguly, Pg-249-262, 2013.

- Sandhiya S, Melvin G, Suresh kumar S. “**Non-invasive Nanodiagnostics for cancer**” in the book Cancer Biomarkers Minimal and Non Invasive Early Diagnosis and Prognosis. CRC Press, Ed. Debmalya Barh, Angelo Carpi, Mukesh Verma, Mehmet Gunduz. Pg: 85-94, 2014.
- Srinivasamurthy S.K., Bairy L.K. (2021) **Chemotherapy of Malaria and Other Protozoal Diseases**. In: Paul A., Anandabaskar N., Mathaiyan J., Raj G.M. (eds) Introduction to Basics of Pharmacology and Toxicology. Springer, Singapore. https://doi.org/10.1007/978-981-33-6009-9_60
- Srinivasamurthy S.K., Bairy L.K. (2021) **Chemotherapy of Helminthiasis**. In: Paul A., Anandabaskar N., Mathaiyan J., Raj G.M. (eds) Introduction to Basics of Pharmacology and Toxicology. Springer, Singapore. https://doi.org/10.1007/978-981-33-6009-9_61