

FACULTY DATABASE

Name: Dr. V. Santhosh Kumar M.Pharm, Ph.D. (USM, Penang, Malaysia)

Designation: Professor & HOD

Department: Pharmacology

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Affiliation: Faculty of Pharmacy, Dr.M.G.R. Educational and Research Institute, Velappanchavadi, Chennai-600077



EDUCATION

Sl.No.	Course	Department	Affiliation
1	Ph.D.	Center for Drug Research (CDR)	Universiti Sains Malaysia (USM), Penang, Malaysia
2	M.Pharm	Pharmacology	The Tamil Nadu Dr. M.G.R. Medical University, Chennai, India
3	B.Pharm	Pharmacy	The Tamil Nadu Dr. M.G.R. Medical University, Chennai, India

OTHER DETAILS

Research Interest:

- Immunopharmacology
- Space Pharmacology
- Space Immunology
- PharmaSea (Medicine from the Deep Ocean)

Publications

Published Papers

1. Santhosh Kumar Venugopalan, Shanmugarajan T.S., Navaratnam V., Mansor S.M., Ramanathan S. Dexamethasone provoked mitochondrial perturbations in thymus: Possible role of N-acetylglucosamine in restoration of mitochondrial function. Biomedicine & Pharmacotherapy, 2016; Volume 83, Pages 1485-1492. (**Impact Factor: 7.5**)

2. Venugopalan Santhosh Kumar et al. Isolation and Characterization of glucosamine from *Azadirachta indica* leaves : An evaluation of Immunostimulant activity in mice. *Asian Pacific Journal of Tropical Biomedicine*. 2012; 2(3):p.S1561-S1567.
3. Venugopalan Santhosh Kumar et al. Neem (*Azadirachta indica*): Prehistory to contemporary medicinal uses to human kind. *Asian Pacific Journal of Tropical Biomedicine*. 2013; 3(7): 505-514.
4. Venugopalan santhosh kumar et al. Mechanism of action of *Azadirachta indica* leaves glucosamine: A covert liaison unveiled in the activation of lymphocytes, IL-2 signaling and the role of JAKs and STATs. *IJFST*. 2013; 1(4): 77-88.
5. Santhosh Kumar Venugopalan, Nithya Sermuga Pandian, Pavani M, Srinivasa Rao T, Rajini Y, Khadeer Sk, Ravichandiran V. Abnormal uterine bleeding in reproductive women: Diagnosis, management and treatment. *Asian Journal of Pharmaceutical and Clinical Research*. 2015; 8(1): 42-45.
6. Venugopalan Santhosh Kumar, Abhijeet Kumar, Neelam Kumari, Sundar Sri, Shanmugarajan T, Shanmugasundaram P. Space Pharmacology: An overview. *IJFST*. 2015; 3(3) :228-238.
7. M. Nandhini, V. Santhosh Kumar. A Prospective Study on Identification of Actual and Potential Drug Related Problems in Geriatric Patients: The Role of the Clinical Pharmacist. *Asian Journal of Pharmaceutical Technology and Innovation*. 2016; 04(18) :1-11.
8. J. Shanmugapriya, P. Geetha, V. Santhosh Kumar and P. Shanmugasundaram. Prospective study on role of CRP as an inflammatory marker in Type-II Diabetes Mellitus in tertiary care hospital. *International Journal of Pharmaceutical Sciences and Research*. 2017; 8(12) : 5257-5263.
9. Nimin Paul, Santhosh Kumar V. A comparative study on drug use of antimicrobial agents in medical and surgical intensive care units of a tertiary care hospital. *Asian Journal of Pharmaceutical and Clinical Research*. Accepted : 21 October 2017 & Published: 2018; 11 (1) : 310-313
10. Santhosh Kumar V, Praveen D. Sugar and chronic diseases. *Research Journal of Pharmacy and Technology*. 2016; 9(6) : 650-654.
11. B. Swapnaa, V. Santhosh Kumar. Personalized medicine - A novel approach in cancer therapy. *Research Journal of Pharmacy and Technology*. 2017; 10(1): 341-345.
12. Naveen Kumar, Kathiravan Natarasan, Keerthika Sugumar, Venugopalan Santhosh Kumar, Ramaiyan Velmurugan, Palani Shanmugasundaram. Therapeutic management of wounds in Asian elephants. *Drug Invention Today*. 2019; 11(2): 237-240.

13. Jasmine L. Khongthaw, Angelina Lyngkhoi, Tara Devi Rana, Dinesh Choudhary, Venugopalan Santhosh Kumar, Ramaiyan Velmurugan, Palani Shanmugasundaram. Malaria and its management in Meghalaya. *Drug Invention Today*. 2019; 11(2): 241-245.
14. Tara Devi Rana, Jasmine L. Khongthaw, Angelina Lyngkhoi, Dinesh Choudhary, Venugopalan Santhosh Kumar, Ramaiyan Velmurugan, Palani Shanmugasundaram. Study of various species of ant venom and their medicinal use. *Drug Invention Today*. 2019; 11(2): 280-283.
15. Pichandi Kiruba Shankari, Mariya Els Johny, Swathi Suresh, Rukaiah Fatma Begum, Venugopalan Santhosh Kumar, Ramaiyan Velmurugan, Palani Shanmugasundaram. Comparative study of intravitreal ranibizumab injection and intravitreal triamcinolone injection in diabetic macular edema. *Drug Invention Today*. 2020; 14(3): 399-404.
16. Mariya Els Johny, Swathi Suresh, Rukaiah Fatma Begum, S. Prasanna Bharathi, P. Kiruba Shankari, Venugopalan Santhosh Kumar, Ramaiyan Velmurugan, Palani Shanmugasundaram. A comparative study of prostaglandin analogs and ocular beta-blockers on intraocular pressure reduction. *Drug Invention Today*. 2020; 14(3): 456-461.
17. Jambula Dinesh Babu, Venugopalan Santhosh Kumar. Studies on antioxidant activity of different extracts of aerial parts of *Cadaba farinose* Forsk: An in-vitro techniques. *International Journal of Research in Pharmaceutical Sciences*. 2020; 11(3): 2986-2992.
18. Jambula Dinesh Babu, Venugopalan Santhosh Kumar. Estimation of total phenolic content and Studies on antioxidant activity of different extracts of *Cadaba farinose* Forsk by hydroxy radical and iron chelating techniques. *International Journal of Research in Pharmaceutical Sciences*. 2020; 11(3): 1-6.
19. Ala Vishnu Priya and Santhosh Kumar. Therapeutic potential of methanolic extract of coriander (*Coriandrum sativum* L.) seeds and its fractions: In vitro studies. *Bulletin of Environment, Pharmacology and Life Sciences*. 2021; 10 (2): 33-45.
20. Jambula Dinesh Babu and Venugopalan Santhosh Kumar. Estimation of total Flavonoids content and Studies on antioxidant activity of different extracts of *Cadaba farinosa* Forsk by Nitric oxide scavenging and FRAP techniques. *International Journal of Pharmaceutical Research*. 2021; 13(3): 425-429.
21. Jambula Dinesh Babu and Venugopalan Santhosh Kumar. Screening on lipid peroxidation and in vitro antioxidant activity of various extracts of *Cadaba Farinosa* (Linn). *Indian Journal of Natural Sciences*. 12(69), 36387-36397. (WOS)
22. Prasad M, Santhosh Kumar V. Impact of Social Determinants and Medication Adherence on Quality of Life in Hypertension and Type II Diabetes Patient. *Natural Volatiles and Essential Oils*. 2021; 8(5): 12703-12711.

Working Papers / Projects

1. Space Immunology : Long term space mission

ACADEMIC/ INDUSTRY EXPERIENCE

S.No.	Name of the Institution/Industry	From	To	Years of Experience
1	Faculty of Pharmacy, Dr. MGR. Educational and Research Institute, Chennai India	12/2022	Till Date	10 Months
2	School of Pharmaceutical Sciences, Vels University (VISTAS), Chennai, India	11/2013	10/2022	9 Years
3	Pharmacy Assistant & Volunteer, Denison Discount Pharmacy & Pharma Grace Drug Mart, Toronto, Ontario, Canada	09/2011	05/2012	9 Months
4	KMCH College of Pharmacy, Coimbatore India	01/2011	08/2011	8 Months
5	Faculty of Pharmacy, AIMST University, Bedong, Kedah State Malaysia	12/2004	12/2009	5 Years
6	Maharaji College of Pharmacy, Chennai, India	09/2003	06/2004	10 Months
7	M.S. Ramaiyah College of Pharmacy, Bangalore India	05/2003	09/2003	5 Months
8	Adhiparasakthi College of Pharmacy, Melmaruvathur India	06/1997	06/1998	1 Year

OTHER PROFESSIONAL EXPERIENCES

- **Campus Ambassador Intern for International Model United Nations (IMUN)** Feb – March 2022.
- Organizing Secretary for the International **Webinar** on “Detailed Seminar on PharmaSea Project Results” by Professor Marcel Jaspars, Marine Biodiscovery Centre, Chair in Chemistry, University of Aberdeen, **Scotland, UK** at Faculty of Pharmacy, Dr. MGR. Educational and Research Institute, Chennai (09 June 2023).
- Participated Online in the **F20 Climate Solutions Forum (CSF) – G20 India Presidency**, New Delhi (08 June 2023).
- Organizing Secretary for the International **Webinar** on “Prepare for better Science” – Guidelines for Animal Research & Testing by Professor Dr. Adrian Smith, Secretary, **Norecopa, Norway** at Faculty of Pharmacy, Dr. MGR. Educational and Research Institute, Chennai (03 May 2023).

- Responsible Research Webinar – “Guide to enhancing the rigour and reproducibility of personalised medicine research”, **UK** (19 April 2023).
- "The Environment and the SDGs: Why the World Is Falling Behind and What Needs to Be Done" Organized by **United Nations University (UNU)** Head Quarters, Tokyo, Japan (30 March 2023).
- World Water Day **Organized by the University of Birmingham**, UK (22 March 2023).
- Financing pathways for gender just energy transitions organized by the GGKP (Green Growth Knowledge Partnership), **OECD, UNEP** (16 March 2023).
- Event Coordinator, World Environment Day 2022 (VISTAS), **Mahatma Gandhi National Council of Rural Education (MGNCRE), Ministry of Education, Government of India.**
- Founder Chief of Elephant Research Centre (ERC), VISTAS, Chennai.
- Founder Advisor of Pharmacology Club (Students Club), School of Pharmaceutical Sciences (SPS), VISTAS, Chennai.

PROFESSIONAL MEMBERSHIP

- Life member - Society for Biosafety (SBS),
National Institute of High Security Animal Diseases (NIHSAD),
Indian Council for Agricultural Research, Bhopal, India
- Platinum member – International Model United Nations (IMUN)
- Registered Pharmacist - Tamilnadu Pharmacy Council, Chennai 02/2000 – Till Date (Certificate No:4775 A1)

ACHIVEMENTS AND AWARDS

- Delivered speech (online) in the **United Nations Environment Programme (UNEP) Stockholm +50**. First and Second Informal Working Group (IWG) Round for Leadership Dialogue 1 (Maximum Time Limit for Speech in UNEP – 2 Minutes)
- **Best Position Paper Award (2022)** of World Health Organization (WHO) – International Model United Nations (IMUN) Online Conference 96.0.
- **Special Mention Award (2022)** of United Nations Human Rights Council (UNHRC) – International Model United Nations (IMUN) Online Conference 98.0.
- **Faculty Excellence Award (2021)** – Vels Institute of Science, Technology and Advanced Studies (VISTAS), Chennai.