

CURRICULUM VITAE

NAVEEN KUMAR V

Ph.D Research Scholar – Full Time (from July 2022 onwards),
Department of Pharmacology, SRM College of Pharmacy, SRM Institute of
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CAREER OBJECTIVE

To work in healthcare industry with innovative thinking and dedication, to cultivate good interpersonal relations, to be a resourceful and challenging individual where my skills and abilities will be drained, and to have a dynamic, achievement-oriented career equivalent to my profession and diligently work towards the organizational as well as personal goals.

ACADEMIC QUALIFICATION

S.NO.	QUALIFICATION	BOARD OF STUDY	NAME OF INSTITUTION	YEAR OF COMPLETION	PERCENTAGE/ CGPA OBTAINED
1.	M.Pharm Pharmacology	Deemed University	SRM College of Pharmacy, SRM Institute of Science and Technology, Kattankulathur Campus, Chennai	MAY 2021	9.53 (First Class with Distinction)
2.	B.Pharm			APR 2019	7.29 (First Class)
3.	HSC	State Board of Tamil Nadu	Little Flower Higher Secondary School, Kumbakonam	MAR 2015	83.92 %
4.	SSLC			MAR 2013	94.4 %

AWARDS AND ACHIEVEMENTS

- Qualified **Graduate Pharmacy Aptitude Test (GPAT)**-2020 with 90.55 NTA score.
- Won **First Runner Up prize in Poster Presentation Award (Online)** entitled “Maackiain: A multitarget phytolead predicted from *Mucuna pruriens* against Alzheimer’s Disease” during DBT Sponsored One Day National Conference on August 19, 2023 “PBGOLD 2k23””Pharmaceutical Biotechnology: Global Opportunities & Latest Developments” organized by Chameli Devi Institute of Pharmacy, Indore.

- Received **Second Prize in Poster Presentation** entitled “AI-based polypharmacological evaluation: Scorpion alkaloid targeting endothelial dysfunction” in National Conference on “Artificial Intelligence in Drug Discovery and Pharmaceutical Research” held during February 15 to 17, 2023 at SRM Institute of Science and Technology, Kattankulathur, Tamil Nadu.
- Selected as a winner of **Dr. A.P.J. Abdul Kalam Young Research Fellowship** 2019-2020 by TERRE Policy Centre, Pune, India; and received the fellowship amount of Rs. 10,000/- for the research project proposal entitled “Production of Haemodevices using Graphene Technology” at July 27, 2020.
- Received **SRM Phoenix Project Award** (Student Category) for the project entitled “Recyclable Graphene based Haemodevices” on World Environmental Day 2020, (June 5, 2020) organized by Centre of Environment Nuclear Research, Directorate of Research and Virtual Education, SRM Institute of Science and Technology, Kattankulathur, Tamil Nadu.
- Received **Best Poster Presentation Award** with cash prize Rs.1,000/- for the research work on “Molecular Docking Studies of phytoconstituents from *Leucas aspera* in the management of Alzheimer’s disease” in International Conference on Chemical Sciences and Nanomaterials (ICCSN-2019) held during March 7 to 9, 2019 at Vellore Institute of Technology (VIT), Vellore, Tamil Nadu.
- Received **ISGCT-2018 Award** for an Oral paper presentation entitled “Current approach of substituted beta-amyloid aggregation inhibitor for Alzheimer-type dementia” in the International Society of Gene and Cell Therapy Convention on Stem Cell Therapy at NIMHANS Convention Centre, Bangalore, India held on November 18-19, 2018.
- Received **First Prize for Paper Presentation** entitled “*In silico* antidiabetic analysis of 10-methyl hydroxyl pheophorbide” isolated from *Clerodendrum inerme* Linn.” in the International Conference HETICON’18 on “The Role of Technology in Shaping Future of Health Care” held on October 30 and 31, 2018 at Dr. M.G.R. Educational and Research Institute (A.C.S. Medical College and Hospital), Chennai.

AREA OF INTEREST

- Computer-Aided Drug Design (CADD)
- Drug Discovery and Development against Peripheral Vascular Diseases, Oncology and Diabetes, Neurodegenerative Diseases such as Alzheimer’s Disease and Parkinson’s Disease.
- Applications of graphene and its related materials in biomedical research
- Dsup protein in Tardigrades – an space organism
- Pharmacometrics

TECHNICAL SKILLS

- *In silico* Molecular Docking Simulations
- *In vitro* Cell culture studies including western blot, ELISA and enzyme-based assay techniques
- Animal handling of rat, mice and alternative to animal model including zebrafish model
- Preclinical studies including *in vivo* and *ex vivo* studies
- Data analysis by GraphPad Prism software

PAPER PUBLICATIONS

- As a first author of the original research article entitled “Stylopine: A potential natural metabolite to activate vascular endothelial growth factor (VEGFR2) in osteosarcoma therapy” published in **Frontiers in Pharmacology**. **2023**, 14, 1150270. [Impact factor: 5.988, CiteScore: 6.6, SNIP: , Q1 journal with H-index: 104] - *This research was funded by the Deanship of Scientific Research, King Khalid University, Abha, Saudi Arabia, through the Large Research Groups Project under grant number (RGP.2/58/43).*
- As a corresponding author of the review article entitled “Zebrafish – The Neurobehavioural Model in Trend” published in **Neuroscience - Elsevier**. **2022** [Impact factor: 3.708, CiteScore: 6.4, SNIP: 0.967, Q2 journal with H-index: 229]
- Naveen Kumar V, Dr. T. Tamilanban. A Review on variations of Osteosarcoma and their gene regulation. **Pensee**. **2021**;51(4):1191-211.
- Tamilanban T, Kumar VN, Narayanan J, Prathusa S, Dhivya N, Manasa K. In silico Molecular Docking of Luteolin from *Momordica charantia* for Dementia in Alzheimer’s disease. **Research Journal of Pharmacy and Technology**. **2020** May 1;13(5):2381-2386.

PUBLICATION IN PIPELINE

- As a co-author of the research manuscript entitled “Axitinib-loaded chitosan nanoparticles for targeted drug deliver in Breast Cancer treatment” communicated to **Frontiers in Pharmacology** – Frontiers. [Manuscript ID: 1277313]
- As a first author of the review manuscript entitled “Phlebo-pathophysiological hallmarks for Varicosity: A Review” communicated to **Current Vascular Pharmacology** – Bentham Science [Manuscript No.: BMS-CVP-2023-46]

PERSONALITY TRAITS

- Leadership, Adaptable, Responsible

WORKING EXPERIENCE

(7.5 months in Corporate + 04 years as Part time – Teaching + 5 months in Research Laboratory)

- Worked as Trainee – Toxicology from 01-Oct-2021 to 18-May-2022 under the Department of Safety & Medical Affairs at **Clinchoice Private Limited, Bangalore**.
- Visiting Faculty at Classic Paramedical and Research Centre, Urapakkam, Chennai from the academic session of the year 2019. All subjects are handling for Diploma in Medical Laboratory Technology course curriculum [AIMLTA & BSS academic board].
- Worked as Research Associate at **Trichy Research Institute of Biotechnology Pvt. Ltd, Trichy, TamilNadu** from 01-June-2021 to 30-September-2021

OTHER COURSES

- Completed online Coursera courses such as Drug Discovery, Drug Development, Drug Commercialization, Advanced Neurobiology I and Advanced Neurobiology II.

- Completed an online Coursera courses such as Drug Discovery and COVID-19: What You Need to Know (CME Eligible – awarded 2.0 AMA PRA Category 1 Credit(s) TM) authorized by University of California San Diego and Osmosis respectively.
- Completed Two Years Diploma in Medical Laboratory Technology (DMLT) course under the academic board of All India Medical Laboratory Technologists Association (AIMLTA) and One Year Diploma in Optometry course under academic board of Bharat Sevak Samaj (BSS) at Tagore Institute of Science and Research Centre, West Tambaram, Chennai during my undergraduate study by attending weekend classes.

OTHER PROFESSIONAL EXPERIENCE

- Worked as a Scholar in SRM Institute of Science and Technology VC funding project entitled “Neurobehavioral Analysis of Luteolin using Zebrafish model for Alzheimer’s Disease”
- One and half year medical shop experience in Chennai (2018-19).
- As a Volunteer in the International Society of Gene and Cell Therapy Convention 2019 at Bangalore Medical College and Research Institute (BMCRI) during November 11-12, 2019 at Bangalore, Karnataka, India.
- As a Volunteer in the International Society of Gene and Cell Therapy Convention on Stem Cell Therapy at NIMHANS Convention Centre, Bangalore, India held on November 18-19, 2018.
- As a Volunteer in One Day Seminar on “Clinical Research Protocol Development on Herbal Medicines” held on February 2, 2018 at SRM IST, Chennai
- As a Volunteer in the 23rd ISCB International Conference on "Interface of Chemical Biology in Drug Research" held on February 8 to 10, 2017 at SRM University, Chennai.

TRAININGS ATTENDED

- Completed hands-on internship on “Anticancer studies” at Trichy Research Institute of Biotechnology Pvt. Ltd. Tiruchirappalli from 07.01.2021 to 09.05.2021.
- Participated in CSIR-Summer Research Training Program (CSIR-SRTP) 2020 Online during June to August, 2020 coordinated by CSIR-NEIST, Jorhat.
Sl.No.: CSIR/SRTP/2020/NEIST/3797
- Participated in the workshop on “Artificial Intelligence Tools for Accelerated Drug Discovery” held on February 22-23, 2020 conducted by Wisecorner Laboratories Pvt Ltd, Chennai.
- Participated in the Two Day Hands-on Workshop on “Biomolecular Simulations in Drug Discovery” held on August 3-4, 2019 conducted by Wisecorner Laboratories Pvt Ltd, Chennai.
- Completed internship training from May 2 to 27, 2017 in a Pharmaceutical Industry, Fourrts (India) Laboratories Pvt. Limited at Kelambakkam, Chennai
- One Day Workshop on Phlebotomy in MIOT International Hospital, Chennai
- Had one-day visit in the following:
 - Cancer Institute (WIA), Adyar, Chennai.
 - National Institute for Research in Tuberculosis, Chetpet, Chennai.
 - Communicable diseases Hospital, Tondiarpet, Chennai.

SCIENTIFIC PRESENTATION

- Presented the research e-poster entitled “Computational Analysis of Metformin Surrogates targeting Human Insulin receptor” in One day National conference on Future of Drug dosage forms in disease management organized by Chettinad School of Pharmaceutical Sciences, Chettinad Academy of Research and Education, Chennai on November 5, 2022.
- Presented an oral research paper entitled “Synthesis, characterization and evaluation of chitosan nanoparticles loaded with axitinib against breast cancer” in the 3rd International Conference on Applications of Natural Compounds, Nanomaterials, Oncolytics in Cancer Biology and Biotechnology (ICANNOCB-22) organized by School of Life Sciences and Association of Cancer Education and Research (ACER), B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai, India in association with Purdue University, USA on October 27-28, 2022.
- Presented about “Self Precautions against COVID-19” in National level e-poster competition organized by Thakur Shivakumar Singh Memorial Pharmacy College, Burhanpur, Madhya Pradesh.
- Presented the proposal entitled “Application of Graphene Based Materials in Medical Laboratory Technology” in Anveshan, South Zone Student Research Convention held at Bharathidasan University, Tiruchirappalli, Tamil Nadu during January 21-22, 2020.
- Presented an oral paper entitled “Molecular Docking Studies of Phytoconstituents from *Mucuna pruriens* in the management of Alzheimer’s Disease” in 71st Indian Pharmaceutical Congress held at Sri Ramachandra Institute of Higher Education and Research (DU) during December 20-22, 2019 held at Chennai, Tamil Nadu.
- Presented an oral paper entitled “In silico approach to identify multi-target potential candidate for Alzheimer’s Disease management” in the International Society of Gene and Cell Therapy Convention 2019 at Bangalore Medical College and Research Institute (BMCRI) during November 11-12, 2019 at Bangalore, Karnataka, India.
- Presented an e-poster entitled “Comparative Analysis of Neurobehavioral Activities on the Different Feed management Techniques of *Danio rerio* (Zebrafish)” in UNESCO Chair in Bioethics Asia Pacific Division’s International Conference on Bioethics in Health Sciences – BIOETHICON 2019 held on November 08-10, 2019 at SRM Medical College Hospital and Research Centre, Kattankulathur campus, Tamil Nadu.
- Presented a scientific paper entitled “Molecular Docking Studies of phytoconstituents from *Tabernaemontana divaricata* in the management of Alzheimer’s disease” in Oral Presentation session of the World Congress on Pharmacology-2019 “Drug Discovery and Development” held on August 28 to 29, 2019 at J.N. Tata Auditorium, Indian Institute of Science, Bengaluru, India.
- Presented a poster entitled “Novel approach to discover multi-target potential drug through molecular docking studies of traditional Chinese medicinal compounds for the management of Alzheimer’s disease” in International workshop on Translational Research Strategies for Drug Discovery and Clinical Development held at Hyderabad, India during July 20-21, 2019 organized by CRC Pharma LLC, New Jersey, USA.

- Presented an oral paper entitled “Molecular Docking Studies of Traditional Chinese Medicinal Compounds in the management of Alzheimer’s Disease” in the Two Days National Conference on “Drug Discovery and Development: A Focus on Newer Technologies” held on February 7-8, 2019 at SRM Institute of Science and Technology, Kattankulathur campus, Tamil Nadu.
- Presented e-poster titled “*Insilico* analysis of flavonoids for anti-alzheimer’s activity” in National Seminar on Research Advances and Therapeutic Interventions in Neurodegenerative Disorders (NEUROGEN)” held on July 6 and 7, 2018 at JSS College of Pharmacy, Ooty.
- Presented an e-poster titled “Formulation and Evaluation of Herbal Cream from Ethyl acetate extract of leaves of *Spinacia oleraceae* Linn.” in “International Conference on Novel Antibiotic Resistance Breakers and Diagnostic Biomarkers” held on December 22 and 23, 2017 at B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai.

WORKSHOPS/CONFERENCES ATTENDED

- Seminar on “Emerging Trends in Computer Aided Drug Discovery” organized by Periyar College of Pharmaceutical Sciences, Trichy on August 12, 2023.
- One day National Seminar on “Recent Advances in ‘Smart’ Drug Delivery Systems (SDDS)” organized by Chettinad School of Pharmaceutical Sciences, Chettinad Academy of Research and Education, Chennai on April 5, 2023.
- IP Awareness/Training Program under National Intellectual Property Awareness Mission organized by Intellectual Property Office, India on August 18, 2022.
- Indo-USA International Conference on Applications of Nanotechnology in Biology, Biotechnology and Biopharmaceuticals (ICNB3) organized by School of Life Sciences, B.S. Abdur Rahman Crescent Institute of Science & Technology in association with University of Missouri, USA, The Biotech Research Society, India, Microbiologist Society, India, Nano & Biomaterials Association, BSACIST on August 11 & 12, 2022.
- One Day Online Workshop on “R for Biologist” organized by Crescent Innovation Incubation Council and Exonn Biosciences on May 15, 2021.
- Advances in Cancer Immunotherapy (ACI) program organized by Society for Immunotherapy of Cancer held at February 18, 2021.
- OPFiCON-2020 International Web Conference on The Expert Opinion: Exploring Clinical & Pharmaceutical Industries with future Endeavour & Opportunities after COVID-19 Pandemic on June 02, 2020 organized by Operant Pharmacy Federation in collaboration with Department of Pharmacy, KGR Institute of Technology & Management.
- National Webinar on Novel Therapeutic Approach in Pain Management organized by Department of Pharmacology, V.V. Institute of Pharmaceutical Sciences in associated with Indian Pharmacological Society held at May 28, 2020.
- Two Days Online International Conference on Covid-19: Challenges in Testing Prophylaxis & Management held at 22-23 May, 2020 organized by ISF College of Pharmacy, Moga, Punjab.
- AICTE sponsored 6 days online STTP on “Target Based Drug Design Strategies Utilizing CADD Tools and Ecofriendly Microwave Assisted Green Synthesis” held at April 27-May 2, 2020 organized by ISF College of Pharmacy, Moga, Punjab.
- 71st Indian Pharmaceutical Congress held at Sri Ramachandra Institute of Higher Education and Research (DU) during December 20-22, 2019 held at Chennai, Tamil Nadu.

- International Society of Gene and Cell Therapy Convention 2019 at Bangalore Medical College and Research Institute (BMCRI) during November 11-12, 2019 at Bangalore, Karnataka, India.
- International Society of Gene and Cell Therapy Workshop 2019 at Bangalore Medical College and Research Institute (BMCRI) during November 10, 2019 at Bangalore, Karnataka, India. World Congress on Pharmacology-2019 “Drug Discovery and Development” held on August 28 to 29, 2019 at J.N. Tata Auditorium, Indian Institute of Science, Bengaluru, India.
- “Research Methodology Workshop” held on August 26, 2019 at SRM Institute of Science and Technology, Kattankulathur, Tamil Nadu.
- Two-Days Workshop on “Alternative Animal Models in Pharmacological Screening” held on August 8-9, 2019 at SRM Institute of Science and Technology, Kattankulathur, Tamil Nadu.
- International workshop on Translational Research Strategies for Drug Discovery and Clinical Development held at Hyderabad, India during July 20-21, 2019 organized by CRC Pharma LLC, New Jersey, USA.
- Two days “National Conference on Regulatory Challenges in Pharmacovigilance and QbD” held on July 18-19, 2019 at SRM Institute of Science and Technology, Kattankulathur.
- International Conference on Chemical Sciences and Nanomaterials (ICCSN-2019) held during March 7 to 9, 2019 at Vellore Institute of Technology (VIT), Vellore, Tamil Nadu.
- Two Days National Conference on “Drug Discovery and Development: A Focus on Newer Technologies” held on February 7-8, 2019 at SRM Institute of Science and Technology, Kattankulathur campus, Tamil Nadu.
- Participated in the IPA-IPC National Pharma Quiz-2K18 competition organized by IPA, Education Division.
- International Society of Gene and Cell Therapy Convention on Stem Cell Therapy at NIMHANS Convention Centre, Bangalore, India held on November 18-19, 2018.
- International Conference HETICON’18 on “The Role of Technology in Shaping Future of Health Care” held on October 30 and 31, 2018 at Dr. M.G.R. Educational and Research Institute (A.C.S. Medical College and Hospital), Chennai.
- One Day National Workshop on “Clinical Study Designs and Statistical Methodologies (CSDSM)” held on July 27, 2018 at SRM IST, Chennai.
- National Seminar on Research Advances and Therapeutic Interventions in Neurodegenerative Disorders (NEUROGEN)” held on July 6 and 7, 2018 at JSS College of Pharmacy, Ooty.
- One Day Seminar on “Clinical Research Protocol Development on Herbal Medicines” held on February 2, 2018 at SRM IST, Chennai.
- “International Conference on Novel Antibiotic Resistance Breakers and Diagnostic Biomarkers” held on December 22 and 23, 2017 at B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai.
- “International Conference on Biological Applications of Nanoparticles (ICON-BIO 2017)” held on December 4 and 5, 2017 at Indian Institute of Technology (IIT), Chennai.
- One Day Seminar on "Global Pharma Regulatory Challenges and Implications" held on September 8, 2017 at SRM University, Chennai.
- One Day Workshop on "4-R Approaches in Pharmacology and Toxicology" held on August 4, 2017 at SRM University, Chennai.

- 23rd ISCB International Conference on "Interface of Chemical Biology in Drug Research" held on February 8 to 10, 2017 at SRM University, Chennai.

INVITED GUEST LECTURE

- Title: A Tour on Pharmaceutical Manufacturing Industry
Organized by: Classic Paramedical and Research Centre, Urapakkam, Chennai, Tamil Nadu
Year: 2023
- Title: Computational Drug Discovery
Organized by: Sacred Heart Arts and Science College, Perani & Trichy Research Institute of Biotechnology Pvt. Ltd., Trichy, Tamil Nadu
Year: 2021

COMPUTER AND OTHER SKILLS

- MS Office, DOS, Internet, HTML, C, C++ (Certified by Apollo Computer Education Ltd.)
- Passed the Junior Grade Typewriting English in First Class Distinction at the Government Technical Examinations in the Commerce subjects held in February 2017.
- Passed in First Class on Prathamik Examination conducted by Dakshina Bharat Hindi Prachar Sabha, Madras held in August 2013.

GENERAL

- ☐ **Registered Pharmacist** with the **Tamil Nadu Pharmacy Council, Chennai.**
[Reg. No.: 26379/A1]
- ☐ **Passport No. V2059493**

HOBBIES

- Travelling
- Puzzle solving
- Sports (Badminton)

PERSONAL DETAILS

Date of Birth : 30.08.1998
Age : 25 years
Gender : Male
Marital Status : Single
Languages known : Tamil, English (Read, Write and Speak)
Hindi (Read and Write)

REFERENCES

Dr. T. Tamilanban, M.Pharm., Ph.D.,
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DECLARATION

I hereby declare that the information given herewith is true to the best of my knowledge.

Place: Kattankulathur

Date : 31.08.2023



(NAVEEN KUMAR V)