		PROFILE
1	NAME	HANISH SINGH JAYASINGH CHELLAMMAL
2	ACADEMIC POSITION	ASSOCIATE PROFESSOR
3	STATUS OF APPOINTMENT	CONTRACT (FULL TIME)
4	CITIZENSHIP	INDIA
5	EDUCATION	 PhD (Pharmaceutical Sciences, 2008- 2012) Jawaharlal Nehru Technological University, Hyderabad, India Master of Pharmacy (Pharmacology, 2005-2007), The TN Dr. MGR Medical, University, Chennai, India Bachelor of Pharmacy (2004) The TN Dr. MGR Medical University, Chennai, India
		16 YEARS (TEACHING / RESEARCH)
6	WORKING EXPERIENCE	 Present Job Description/ experience Associate professor, Department of Pharmaceutical Pharmacology and Chemistry, Faculty of Pharmacy University Technology MARA (UiTM), March 2020 to Present. Coordinator, CPD, Faculty of Pharmacy University Technology MARA (UiTM), March 2022 to Present. Vetting Committee for Exam Papers, Department of Pharmaceutical Pharmacology and Chemistry, Faculty of Pharmacy, University Technology MARA (UiTM), March 2020 to Present. Member, Research Group, Brain Degeneration and Therapeutics Investigation, 2022 to present. Associate Member, Research Initiative Group, Group for affinity, safety and efficacy studies, 2022- present
		 Head of the Department (Pharmacology), School of Pharmacy, KPJ Healthcare University, Nilai, Malaysia (January 2013 to March 2020) Coordinator for Post Graduate Studies (Master of Sciences in Pharmaceutical Technology), School of Pharmacy, KPJ Healthcare University, Nilai, Malaysia (July 2014 to March 2020). Coordinator for Research and Innovation, School of Pharmacy, KPJ Healthcare University, Nilai, Malaysia (September 2014 to March 2020)

 ACADEMIC RESPONSIBILITIES PHC473 (Endocrine, Reproductive System and Pharmacotherapeutics) PHC502 (Respiratory & Renal System & Pharmacotherapeutics) Pre-Clinical drug discovery Pre-Clinical drug discovery Pharmacological & Toxicological screening Neuroscience/ Neurodegeneration Muralidharan. P, Hanish Singh JC., Neurobehaviou analysis of ethanolic extract of roots and rhizomes of Acor calamus in 6-Hydroxy Dopamine Hydrobromide induc ADHD neonatal rat model – An Observational study", Wor Journal of Traditional Chinese Medicine, July -August 20: (Accepted) Sathesh Kumar .S, Rajini. D, Hanish Singh. J. Application of design thinking approach for the developme of peg-4000 coated Chitosan nanoparticles loaded wi galantamine hydrobromide for improved Treatment neurodegenerative disorders. Eur. Chem. Bull. 2023, (8),4514-4540 Hanish Singh Jayasingh Chellammal, Dhani Ramachandra Applications of Functional Foods and Nutraceuticals f Chronic Diseases. 375-408, Functional Foods of Polyphenoli for Alzheimer's Disease, CRC Press, Taylor and Francis grou 2023. Hanish Singh Jayasingh Chellammal, Shaista Omer, Dee Gupta, Alok Khunteta, Surendra Kumar Swarnkar, Pune Gupta, Fauzia Bano Faruqi. Method For Identifying Hert 			 Institutional Animal Ethical Committee member, KPJ Healthcare University, Nilai, Malaysia, September 2014 to December 2018 Member, External Linkages, Centre for Excellence in Pharmaceutical Sciences, KPJ Healthcare University College, Nilai Malaysia (June 2019 to March 2020) Assoc. Professor in Pharmacology, School of Pharmacy, Anurag group of institutions, Hyderabad, India (Sep 2010 to Sep 2012) Assistant Professor in Pharmacology, MNR Medical College, Hyderabad, India (January 2007-Sep 2010).
 8 INTERESTS/ PROJECTS Pharmacological & Toxicological screening Neuroscience/ Neurodegeneration I. Muralidharan. P, Hanish Singh JC., Neurobehavioun analysis of ethanolic extract of roots and rhizomes of Acor calamus in 6-Hydroxy Dopamine Hydrobromide induc ADHD neonatal rat model – An Observational study", Won Journal of Traditional Chinese Medicine, July -August 20: (Accepted) Sathesh Kumar .S, Rajini. D, Hanish Singh. J. Application of design thinking approach for the developme of peg-4000 coated Chitosan nanoparticles loaded wi galantamine hydrobromide for improved Treatment neurodegenerative disorders. Eur. Chem. Bull. 2023, (8),4514-4540 Hanish Singh Jayasingh Chellammal, Dhani Ramachandra Applications of Functional Foods and Nutraceuticals f Chronic Diseases. 375-408, Functional Foods of Polyphenoli for Alzheimer's Disease, CRC Press, Taylor and Francis grou 2023. Hanish Singh Jayasingh Chellammal, Shaista Omer, Dee Gupta, Alok Khunteta, Surendra Kumar Swarnkar, Pune Gupta, Fauzia Bano Faruqi. Method For Identifying Hert 	7	ACADEMIC	 PHC461- Principles of Pharmacology PHC526 (Central Nervous System and Pharmacotherapeutics) PHC473 (Endocrine, Reproductive System and Pharmacotherapeutics) PHC502 (Respiratory & Renal System &
 9 PUBLICATIONS 2. Sathesh Kumar .S, Rajini. D, Hanish Singh. J. Application of design thinking approach for the developme of peg-4000 coated Chitosan nanoparticles loaded wi galantamine hydrobromide for improved Treatment neurodegenerative disorders. Eur. Chem. Bull. 2023, (8),4514-4540 3. Hanish Singh Jayasingh Chellammal, Dhani Ramachandra Applications of Functional Foods and Nutraceuticals f Chronic Diseases. 375-408, Functional Foods of Polyphenoli for Alzheimer's Disease, CRC Press, Taylor and Francis grou 2023. 4. Hanish Singh Jayasingh Chellammal, Shaista Omer, Dee Gupta, Alok Khunteta, Surendra Kumar Swarnkar, Punc Gupta, Fauzia Bano Faruqi. Method For Identifying Herb 	8	INTERESTS/	Pharmacological & Toxicological screening
45, 5, 2023. 5. Hanish Singh Jayasingh Chellammal, Mizaton Haziz	9	PUBLICATIONS	 Sathesh Kumar .S, Rajini. D, Hanish Singh. J.C, Application of design thinking approach for the development of peg-4000 coated Chitosan nanoparticles loaded with galantamine hydrobromide for improved Treatment of neurodegenerative disorders. Eur. Chem. Bull. 2023, 12 (8),4514-4540 Hanish Singh Jayasingh Chellammal, Dhani Ramachandran. Applications of Functional Foods and Nutraceuticals for Chronic Diseases. 375-408, Functional Foods of Polyphenolics for Alzheimer's Disease, CRC Press, Taylor and Francis group, 2023. Hanish Singh Jayasingh Chellammal, Shaista Omer, Deepa Gupta, Alok Khunteta, Surendra Kumar Swarnkar, Puneet Gupta, Fauzia Bano Faruqi. Method For Identifying Herbal Compounds With Anti-Cancer Properties Using Machine Learning Techniques, Latin American Journal of Pharmacy,

Amyloid-Beta Peptide-Induced Amnesia in Mice. Current Trends in Biotechnology & Pharmacy, Supplement- 17, 2023.
6. Hanish Singh Jayasingh Chellammal, Praveen Kumar D, Rahul P Kshirsagar, Mizaton Hazizul Hasan, Prakash V DiwanCardioprotective Effects of Ethanolic Extract of <i>Cedrus</i> <i>deodara</i> Roxb Against Isoproterenol Induced Myocardial Infarction in Rats, Malaysian Journal of Medicine and Health Sciences Vol.19 Supp 7, June 2023 (eISSN 2636-9346).
7. Hanish Singh Jayasingh Chellammal, Mizaton Hazizul Hasan, Rahul P Kshirsagar, Vamshi Krishna Reddy Musukula, Dhani Ramachandran & Prakash V Diwan. Metformin inhibits cardiometabolic syndrome associated cognitive deficits in high fat diet rats. J Diabetes Metab Disord 21, 1415–1426 (2022). <u>https://doi.org/10.1007/s40200-022-01074-4</u>
8. AK Janakiraman, T Islam, KB Liew, M Elumalai, JC Hanish Singh. Improved oral bioavailability of poorly water- soluble vorinostat by self-microemulsifying drug delivery system, Beni-Suef University Journal of Basic and Applied Sciences 11 (1), 1-13
9. Arpitaa Injamuri, Hanish Singh Jayasingh Chellammal Neuroprotection of Prunus avium Linn. extract on cerebral ischemic stroke in rats associated with neuroendocrine effects. <i>Annals of Phytomedicine: An International Journal</i> , 11 (1), 283-288
10. Hanish Singh Jayasingh Chellammal, Mohamed Mansor Manan, Afiq Azil, Yasothini Murugan, Punitha Chelvam, Pavithiraa Chandarasekaran. Neurocognitive effects of Prunus domestica fruit extract on scopolamine-induced amnesic mice. <i>Journal of Applied Pharmaceutical Science, Journal of</i> <i>Applied Pharmaceutical Science</i> , 10 (11), 059-066.
11. B.krupavaram, S. Lashinna, Hanish Singh JC, BVS.Lakshmi, Shashidharan Menon. Evaluation of Antidepressant Activity of Methanol and Petroleum Ether Extracts of <i>Daucus Carota Ssp. Sativus Var. Atrorubens Alef.</i> (Purple Carrot) Roots in Experimental Animals
12. JC Nisha, Raja Sekar, S Lazarus, Hanish Singh JC , Effect of Chromium Trivalent (Cr-Iii) And Hexavalent (Cr-Vi) Toxicity on The Morphology of Zebra Fish, Danio Rerio (F. Hamilton, 1822) During Early Embryonic Developmental Stages, <i>Studies</i> of Indian Places Names, 40 (74), 2020, 171-183
13. B Krupavaram, HS JC , K Anandarajagopal, J Kaur, S Paramasivam. Evaluation of ethanolic root extract of <i>allium</i> <i>cepa</i> . <i>L</i> for analgesic and anti-inflammatory activities in animal models. <i>World Journal of Current Medical and</i> <i>Pharmaceutical Research</i> , 2020, 67-73

14. Hanish Singh Jayasingh Chellammal, Alagarsamy Veerachamy, Dhani Ramachandran, Sridhar Babu Gummadi, Mohamed Mansor Manan, Narsimha Reddy Yellu, Neuroprotective effects of 1' δ -1'- acetoxyeugenol acetate on A β (25-35) induced cognitive dysfunction in mice., <i>Biomedicine and Pharmacotherapy</i> ;109, 2019, 1454-1461.
15. Rzandze, Rassheda Abd Rahman, Mansor Mohamed Manan, Hanish Singh, Hannis FadilahAntihyperglycemic Activity of Derris Elliptica In Streptozocin Induced Diabetic Rats, Asian Journal of Pharmaceutical and Clinical Research 8 (11), 92
16. JCH Singh, RM Kakalij, RP Kshirsagar, BH Kumar, SSB Komakula Cognitive effects of vanillic acid against streptozotocin-induced neurodegeneration in mice, <i>Pharmaceutical biology</i> 53 (5), 630-636
17. Edula Vinitha, Hanish J.C. Singh , Rahul Motiram Kakalij, Rahul Padmakar Kshirsagar, Boyina Hemanth Kumar, Prakash V. Diwan. Neuroprotective effect of <i>Prunus avium</i> on streptozotocin induced neurotoxicity in mice, <i>Biomedicine and</i> <i>Preventive Nutrition</i> , 4. 2014, 519-525.
 Hanish JC Singh, Tauqeer U.B. Syeda, Rahul M. Kakalij, Valluri V.L.N. Prasad, Prakash V. Diwan. Erythropoietin protects Polychlorinated biphenyl (Aroclor 1254) induced neurotoxicity in mice, <i>European Journal of Pharmacology</i> 707, 2013, 54-60
19. Boyina H Kumar, Bheemachari Joshi, Hanish JC Singh , Prakash V. Diwan, Drug-drug interaction between voriconazole and oral hypoglycemic agents in diabetic rats, <i>Indian Journal of Pharmacology</i> , 2013, 45, 41-43
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22. J. C. Hanish Singh, V. Alagarsamy, S. Sathesh Kumar and Y. Narsimha Reddy Neurotransmitter Metabolic Enzymes and Antioxidant Status on Alzheimer's disease Induced Mice Treated with <i>Alpinia galanga</i> (L.) WILLD. <i>DOI:</i> 10.1002/ptr.3364, Phytotherapy Research, 2011.
23. PVD Rahul P. Kshirsagar , Rahul M. Kakalij, B. Hemanthkumar, JC Hanish Singh , Diabetic atherosclerosis:

Potential biomarkers and preventive approach, Indian Journal of Pharmacology 43 (7), 41-197
 24. Hanish Singh JC, Muralidharan P, Narsimha Reddy Y, Sathesh Kumar S and Alagarsamy V. Anti-amnesic effects of <i>evolvulus alsinoides</i> linn. in amyloid β (25-35) induced neurodegeneration in mice. <i>Pharmacologyonline</i>, 2009; 1: 70-80
 25. V. Alagarsamy, D. Shankar, V. Raja Soloman, P. Parthiban, J. C. Hanish Singh. Synthesis of 4-(2-ethylphenyl)-1-Substituted [1, 2, 4] triazoloquinazolin-5(4H) – for their H₁ antihistamine activity. <i>International journal of drug design and discovery</i>, 2010; 1: 49-56
 26. V. Alagarsamy, H. K.Sharma, P. Parthiban, J. C. Hanish Singh, S. Thirusenthil murugan and V. Raja Solomon. Synthesis and pharmacological investigation of novel 4-(3-methoxyphenyl)-1-substituted-4<i>H</i>-[1,2,4]triazolo[4,3-<i>a</i>] quinazolin-5 -ones as new class of H₁-antihistaminic agents. <i>Die Pharmazie, 2009; 64 (1): 5-9</i>
 27. P. Parthiban, V. Alagarsamy, Jemi Jacob, J. C. Hanish Singh, S. Sathesh Kumar and P. Subhash Chandra Bose. Synthesis, Characterization and Antimicrobial Screening of 3-(5- Substituted Phenyl-1, 3, 4-Oxadiazol-2-Yl) Pyridines. <i>International Journal of Pharmaceutical Science &</i> <i>Research, 2010; 1:49-56</i>
Conferences & Proceedings
1. Neuroprotective effects of Vaccinium corymbosum on amyloid-beta peptide-induced amnesia in mice" Oral Presentation. International Research Conference on Pharmaceutical and Allied Sciences (IRCPAS 2.0), Faculty of Pharmacy, UCSI University, Cheras, 11 th & 12 th March, 2023.
2. Self-Medication Practices Among Allied Health Science Undergraduate Students in KPJ Healthcare University College. 1st International Conference on Pharmacy Practice Embracing Smart Partnerships: Driving Innovation into Practice. 27 - 28 June 2018 Concorde Hotel, Shah Alam, Malaysia. (BEST POSTER WINNER)
3. Misuse of H1-Antihistamine Drugs to Improve Sleep Latency by Students from Healthcare University College Nilai. <i>KPJ Healthcare Conference 2018, 19th - 21st</i> October 2018 at Hotel Royale Chulan Damansara
 Doxycycline attenuates Cognitive Dysfunction on Cerebral Ischemic Stroke in Wistar Rats, 13th MPS-USM Pharmacy Scientific Conference (MPS-USM PSC) 2017, 3rd -5th November, 2017

		5. The Ameliorative Effect of <i>Rubus fruticosus</i> Fruits on Pyloric Ligation Induced Ulcer in Wistar Albino Rats. <i>KPJ</i> <i>Healthcare conference and Exhibition, 2013; Kuala</i> <i>Lumpur, Malaysia</i>
		 6. Antianxiety and Anticonvulsant Effect of <i>Capparis Zeylanica</i> on Strychnine Induced Convulsion in Mice. <i>KPJ Healthcare conference and Exhibition, 2014; Putra Jaya, Malaysia</i> 7. XXIX Annual Conference of Society of Toxicology, India, during Nov 4- 7, 2009
		 IBRO sponsored International structural neuroscience conference on peptide organized by Nagpur University. Feb 1-2, 2008.
		9. Changing trends in Animal Experimentation organized by Jai Research Foundation during Sep 12th, 2008.
		10. National conference on 'Rational Use of Animals in Research' jointly organized by NIN, Laboratory Animal Scientist Association, Indian Pharmacological Society and centre for advanced research in preclinical toxicology on Nov 1-2, 2006, Hyderabad.
		 Second International Conference and Indo-Canadian symposium on Pharmaceutical Science, Technology, Practice and natural health products by J S S College of Pharmacy on Feb 24 – 26, 2007. Ooty.
		12. Workshop on OBE system conducted by KPJUC, Nilai Malaysia on 24th - 26th October 2016
		Functional Foods of Polyphenolics for Alzheimer's Disease
10	Book Chapters	HSJ Chellammal, D Ramachandran Applications of Functional Foods and Nutraceuticals for Chronic Diseases, 1 st Edition, 2023, CRC Press, Pages34, eBook ISBN9781003220053
		ACTIVE GRANTS
11	RESEARCH GRANTS	Principle investigator , Neuroimmune and Neuroendocrine effects of Hydroxy flavanol on NRF2 linked pathways for Alzheimer's Disease, FRGS, IPT Excellence Planning Division, Department of Higher Education, Ministry of Higher Education, RM 129,100.00, 3 years (2022-2025).
		Co Researcher, Elucidating the Neuroprotective Signalling Cascade of Nestorone®, a Synthetic Progestin, in Modulating Alzheimer's Disease FRGS, IPT Excellence Planning Division, Department of Higher Education, Ministry of Higher Education, RM 158,107.00, 3 years (2023-2026).

		Principal Investigator, Neuroprotective effects of medicinal plants on memory dysfunction induced animals. RMC, UiTM, Selangor. RM 20000 (2020-2023).
		Co Researcher, Green synthesis of zinc oxide loaded vinblastine nanoparticles and their anticancer potential on specific anticancer cell lines, FRGS, RM86899, 2 years (2022-2024)
		Co Researcher, Rosmarinic Acid Loaded Ocular In Situ Gels: In Vivo Safety and Efficacy Study, DUCS, Faculty of Pharmacy, UiTM, RM 30,000, 2 years (2022-2024).
		Co Researcher, Exploring the potential neuroprotective properties of Astaxanthin nanoemulsion in modulating brain insulin resistance in an Alzheimer's Disease Rat Model, RM 40,000, 2 Years (2023-2025)
		COMPLETED GRANTS
		Principal Investigator "Cardioprotective effect of Fiestin on Myocardial Infarction induced Wistar Albino Rats" KPJ Healthcare University college, RM 7000, 2016-2018
		Researcher "Anti catatonic activity of Prunus Domestica & <i>Vaccinium Corymbosum</i> on Catalepsy induced by Haloperidol in Swiss albino Mice Internal KPJ Healthcare University college RM 2000, One Year 2019
		Co-Researcher Therapeutic potential of medicinal plants from North Eastern states for the treatment of Psoriasis and other skin diseases Department of Biotechnology Ministry of Science and technology , 71,57,500 INR (RM 42,000) 2012-2015 (Three Years)
		Study Coordinator- Social recognition assay in Sprague-dawley Rats a prospective proof of concept study, Biotropics Malaysia (RM 15000) (2012 -one year)
		Co-Investigator "Evaluation of oral anti-diabetic formulation in diabetic rats Transgene Biotech- India PVLTD INR 80,000, 2012 (one year)
		Co-Investigator"Acute toxicological and CNS toxicological evaluation of herbal formulation JJshane in mice JJ NR 50,000DShane, Shane, DHyderabad IndiaINR 50,0002012 (one year)
11	AWARDS	Unvas Prize , Indian Pharmacological Society, Bangalore, India, for the paper published metabolic cardiovascular syndrome, Indian Pharmacological society Conference, February 25-28, 2023.
		Bronze Award, Invention, Innovation and Design Exposition, Faculty of Pharmacy, UiTM-2022. Neuroendocrine effects of <i>Vaccinium corymbosum</i> on amyloid-beta peptide-induced amnesia in mice; A cognitive boost.

		Silver Award, Invention, Innovation and Design Exposition, UiTM, Shah Alam, Selangor-2022. Neuroendocrine effects of <i>Vaccinium</i> <i>corymbosum</i> on amyloid-beta peptide-induced amnesia in mice; Cogniberry.
		Awarded state level best project (2006) with scholarship for M. Pharm thesis by I P A, and Pharma welfare trust, Chennai. "Neurotransmitter Metabolic enzyme and Antioxidant status of <i>Evolvulus Alsinoides</i> on A β (25-35) induced Alzheimer's Disease"
		(Best Poster Award) Self-Medication Practices Among Allied Health Science Undergraduate Students in KPJ Healthcare University College. 1st International Conference on Pharmacy Practice Embracing Smart Partnerships: Driving Innovation into Practice. 27 - 28 June 2018 Concorde Hotel, Shah Alam, Malaysia.
12	Patents	 Patient Interface Assembly for Respiratory Therapy (Indian Patent: 376958-001), Dr. Sridhar Babu Gummadi, Dr. Sudheer Kumar Kamarapu, Dr. Hanish Singh Jayasingh Chellammal, Dr D Raghava, Dr. G. Hemalatha, Dr.K. Purnachander, 2023 (Product registered)
		2. Pharmaceutical compositions for topical Application, 2277CHE2012A, (Published)
13	INVOLVEMENT IN PROFESSIONAL ORGANISATIONS	 Pharmacy Council of India- Life Member Malaysia Pharmaceutical Society- Associate Membership (2020) Indian Pharmacological society- Life Member Laboratory Animal Scientist Association, India- Life Member Laboratory Animal Scientist Association, Malaysia- Associate Member (2021-2023) Associate Member, Malaysian Society of Neuroscience, Malaysia (2021-2023). Indian Academy of Neuroscience, India. Indian Pharmacy Teachers Association- Life Membership.
14	PARTICIPATION IN CONTINUING EDUCATION	 Speaker, Outbound student exchange collaborative programme UiTM-QUB-VISTAS, 19th September, 2022 Facilitator, 16th & 17th Workshop on Laboratory Rodents (rats & mice) care and use 2022-2023. Organizer & Speaker, International Workshop on Clinical and Preclinical Applications of Powerlab (School of Pharmacy, KPJUC) Speaker/ Organizer28-29th Nov 2018, KPJ Healthcare University College Drug Targets and Alzheimer's Research (International seminar "PHARMALIMS 2018") International Speaker 5th October 2018ELIMS College of Pharmacy Thrissur, Kerala CPD on Managing Type II Diabetes Mellitus (Organized by School of Nursing KPJUC) Speaker14th March 2016 Hotel Vistana, KL

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		Scientific Committee Member, KPJ Healthcare Conference, Hotel Istana, 2013.
		External Examiner- PhD, International Medical University, Malaysia. 2018-2023
		The TN DR MGR Medical University, Guindy, Chennai, Tamil Nadu, India, 2014
		Vels University of Science and Technology, Chennai, Tamil Nadu, India External Examiner 2014 Till Date
		Internal Examiner-PhD (KPJ Healthcare University College): Entitled "Development of an alerting chain bundle (ACCB) with integration of fall policies in preventing anticipated physiological fall in one of KPJ Specialist Hospitals"
		Coordinator for Post Graduate Studies (Master of Sciences in Pharmaceutical Technology), School of Pharmacy, KPJ Healthcare University College, Malaysia, 14th July 2014 to 3rd March 2020
		Academic supervision on Research students (Pharmacy by Research). Masters Students Guided: 12
		PhD: 3 (Ongoing)
		Curriculum design and review (Pharmacy/ Biomedical). Test construction and design according to OBE/ iCGPA system
		Involvement in Scientific Journals
		International Journal of Medical and Exercise Science (IJMAES) http://www.ijmaes.org/editorial-board/ Editorial Board Member 2015 Till Date International Journal of Pharmacy and Pharmaceutical Analysis. http://www.ijppa.com/editorial-board Assistant Editor& Board Member 2014 Till Date BMC Health Services Reviewer 2019 Active KPJ Medical Journal Reviewer 2018 Active
15	COMMUNITY SERVICES	 Hospital Attachment for Clinical Visit- Applied Therapeutics (Posting in Pusat Perbutan Universiti Kebansang Malaysia- PPUKM) Diabetic Awareness "KPJ Healthcare University College" Nilai, Malaysia Know Your Medicine "KPJ Healthcare University College" Nilai, Malaysia