DR. KRISHNA VENI A/P VELOO (01232A)
PENSYARAH UNIVERSITI (TETAP)
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JELI

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A. PERSONAL DETAILS

UMK JOIN DATE	06-Jul-2014
DATE OF APPOINTMENT FOR CURRENT POSITION	06-Jul-2014
DATE OF CONFIRMATION FOR CURRENT POSITION	22-Aug-2017
EDUCATION(S)	• **(2013) UNIVERSITI TEKNOLOGI MALAYSIA** IJAZAH DOKTOR FALSAFAH KIMIA • **(2009) UNIVERSITI TEKNOLOGI MALAYSIA** IJAZAH SARJANA KIMIA • **(2008) UNIVERSITI MALAYSIA TERENGGANU** IJAZAH SARJANA MUDA SAINS KIMIA • **(2004) SEKOLAH MENENGAH KEBANGSAAN SERI SERDANG, SELANGOR** STPM • **(2002) SEKOLAH MENENGAH KEBANGSAAN SERI KEMBANGAN, SELANGOR** SPM
GROUP OF EXPERTISE	• Analytical Spectrometry • Biocompatible Materials/Biomaterials • Instrumental Methods • Nano Materials • Separation Science • Trace Chemical Analysis
AWARD(S)	• Award Name: **Anugerah Perkhidmatan Cemerlang 2016 (2017)** Awarded by: Universiti Malaysia Kelantan
WORKING EXPERIENCE(S)	• POST DOCTORAL FELLOW | UNIVERITI MALAYSIA SAINS 03-Jun-2013-02-Jun-2014
PROFESIONAL MEMBERSHIP(S)	• INSITUT KIMIA MALAYSIA | MEMBER | NATIONAL 05-Dec-2023-05-Dec-2024 • INSITUT KIMIA MALAYSIA | HIGHEST COMMITEE | NATIONAL 08-Dec-2025-08-Dec-2124

B. TEACHING-LEARNING ACTIVITIES

	• FAE4133 - PROJECT MANAGEMENT • FFT1013 - BIOCHEMISTRY • FFT10203 - ORGANIC CHEMISTRY • FFT1043 - PRINCIPLE OF CHEMISTRY • FFT4082 - STUDENT IN ENTERPRISE PROGRAMME • FIE4163 - BIOINDUSTRIAL WASTE MANAGEMENT • FIT3223 - RESEARCH PROJECT I • FIT4233 - RESEARCH PROJECT II

COURSES TAUGHT	• FMT10303 - FOOD CHEMISTRY • FPE3243 - RISK ANALYSIS AND MANAGEMENT • FSE30103 - AGRICULTURE AND RESOURCE MANAGEMENT • FSE30503 - DOWNSTREAM PROCESSING IN FOOD INDUSTRY • FST20503 - FOOD SECURITY • FST20703 - FOOD PRODUCTION TECHNOLOGY AND MANAGEMENT PRACTICES • FST30103 - FOOD POLICY AND INTERNATIONAL TRADE • FST30303 - RESEARCH PROJECT I • FST40103 - RESEARCH PROJECT II • MFT00304 - CHEMISTRY • MFT00704 - APPLIED CHEMISTRY

C. RESEARCH AND DEVELOPMENT

JOURNAL(S)	1. Chien Yee LIM, Goh Soon Heng, Tan Li Peng, Krishna Veni Veloo, Wee Kiat Ong, Shen Fung Yong, Chien Joo LIM, Choong Siew Shean. (2025). Thermal antinociceptive effect of transdermal tramadol hydrochloride in avian. The Journal of Veterinary Medical Science , Vol. 87(8) , pp. 947 - 953. https://doi.org/10.1292/jvms.25-0009 2. Krishna Veni Veloo, Tan H.I.. (2024-06). Comparison of heavy metal residue in selected processed canned tomato paste and bottled tomato sauce using atomic absorption spectrometry. Food Research , Vol. 8(3) , pp. 7-13. https://doi.org/10.26656/fr.2017.8(3).175 3. Rivitra Vintisen, Kumara Thevan Krishnan, Krishna Veni Veloo, Heera Rajandas, Sivachandran Parimannan, Manickam Ravichandran. (2024). Gas chromatography-mass spectrometry (GC-MS) analysis of phytocompounds isolated from Hydnophytum formicarum Jack tuber extracts.. Journal of Tropical Resources and Sustainable , Vol. 12(1) , pp. 36-46. https://doi.org/10.47253/jtrss.v12i1.1363 4. Veloo, KV, Ibrahim N.A.S.. (2021-09). Analytical extraction methods and sorbents¿ development for simultaneous determination of organophosphorus pesticides¿ residues in food and water samples: A review. Molecules , Vol. 26 (18) , pp. 1-20. https://doi.org/10.3390/molecules26185495 5. Solehah A, YC Wong, Veloo, KV. (2021). Characterization and Adsorption Study of Raw Sugarcane Bagasse for Bromophenol Blue Removal. Asian Journal of Fundamental and Applied Sciences , Vol. 2(1) , pp. 1-10. 6. Veloo, KV, Ibrahim, NAS. (2020-05). Solid¿phase extraction using chloropropyl functionalized sol¿gel hybrid sorbent for simultaneous determination of organophosphorus pesticides in selected fruit samples. JOURNAL OF SEPARATION SCIENCE , Vol. 43(15) , pp. 3027-3035. https://doi.org/10.1002/jssc.201901237 7. Veloo, KV, Ibrahim N.A.S. (2020-08-01). Solid-phase extraction using chloropropyl functionalized sol¿gel hybrid sorbent for simultaneous determination of organophosphorus pesticides in selected fruit samples. Journal of Separation Science , Vol. 43 (15) , pp. 3027-3035. https://doi.org/10.1002/jssc.201901237
PROCEEDING(S)	1. Krishna Veni Veloo, N.N Bazlan. (2025). Heavy Metal Residue Analysis In Selected Roasted Ground Coffee Brands In Kelantan, Malaysia Using Atomic Absorption Spectrometry (AAS). In 14th Kuala Lumpur International Agriculture, Forestry & Plantation Conference 2025 (KLIAFP14) , pp. 158-163. UITM. 2. Krishna Veni Veloo, Radzuan, N.S.M. (2024). Heavy Metal Determination and Health Risk Assessment of Edible Mushrooms Collected from Selected Market in Kelantan, Malaysia Using Atomic Absorption Spectrometer (AAS). In Proceedings 13th Kuala Lumpur International Agriculture, Forestry & Plantation Conference 2024 (KLIAFP13) , pp. 222-230. 3. Veni V.K., Brenda T.H.. (2021-05). Preparation of raw oyster shell for removal of coomassie brilliant blue R-250 dye from aqueous solution. In 1st International Conference on Biomass Utilization and Sustainable Energy 2020, ICoBiomasSE 2020 , pp. 1 - 7. IOP Publishing Ltd. https://doi.org/10.1088/1755-1315/765/1/012039
BOOK(S)	1. Rizki. Wannahari, Nik Raihan Nik Yusoff, Krishna Veni Veloo. (2025). Science Foundation Applied Chemistry. UMK Press. 2. Krishna Veni Veloo, Nurulain Jalillah Paiman. (2024). Phytochemical Analysis of Sugarcane Flower (Saccharum Edule). LAP Lambert Academic Publishing. 3. Krishna Veni Veloo, Raja Zafran Aiman. (2023). Determination of Heavy Metal Residue in Canned Fruits. lAP LAMBERT Academic Publishing. https://doi.org/978-620-6-84336-8 4. Krishna Veni Veloo. (2023). Health Risk Consumption Commercialised Sweet Corn. LAP LAMBERT Academic Publishing. 5. Krishna Veni Veloo, Nur Sarah Shophia Mohd Faiz. (2022-09). Determination of Heavy Metal Residues in Freshwater Fish Samples. LAP LAMBERT Academic Publishing. 6. Krishna Veni Veloo, Zuhaili Mohammad. (2022-04). Antimicrobial Activity of Papaya Leaves Extract. LAP LAMBERT Academic Publishing. 7. KRISHNA VENI VELOO. (2020-10-15). Screening of Antimicrobial Properties of Soursop crude extract. LAP LAMBERT Academic Publishing. 8. VELOO, KRISHNA VENI, Nur Rasyidah Muhammad. (2020-03). Antioxidant Studies of the Banana Leaves (Musa acuminata). LAP LAMBERT Academic Publishing.
CHAPTER(S)	1. Krishna Veni Veloo. (2023). Chapter 10 : Preparation of biosorbent from rambutan peel for removal of Bromophenol Blue Dye in aqueous solution. In Empirical studies of agro-based industry: Volume 2 (Product Development Technology) (pp. 126-135). Umk Press. 2. Krishna Veni Veloo. (2023). Chapter 11: Preparation of biosorbent from raw oyster shell for removal of Coomassie Brilliant Blue R-250 Dye in aqueous solution. In Empirical studies of agro-based industry: Volume 2 (Product Development Technology) (pp. 136-150). Umk Press.

OTHER(S)	
RESEARCH(S)	1. ARRANGEMENT OF BACTERIAL CYTOCHROME P450 AND DITERPENE CYCLASES IN PET/RS EXPRESSION VECTOR FOR NOVEL TERPENES EXPRESSION IN ESCHERICHIA COLI | MEMBER | FRGS | 2016 2. DECIPHERING THE BIOACTIVE COMPOUNDS AND GENETIC BLUEPRINT OF AMCELLA ULIGINOSA (FAMILY: ASTERACEACE), MYRMECODIA TUBEROSA (FAMILY:RUBIACEAE) AND HYDNOPHYTUM FORMICARUM (FAMILY: RUBIACEAE) PLANT USING A MULTI OMITS DRIVEN APPROACH | MEMBER | SGJP-P | 2020 3. ELUCIDATING THE FUNDAMENTAL ANTI-TICK PROPERTIES OF MALAYSIA-ISOLATED FUNGUS, METARHIZIUM ANISOPLIAE AGAINST COMMON CATTLE TICKS | MEMBER | FRGS | 2022 4. ELUCIDATING THE FUNDAMENTAL ANTI-TICK PROPERTIES OF MALAYSIA-ISOLATED FUNGUS, METARHIZIUM ANISOPLIAE AGAINST COMMON CATTLE TICKS | MEMBER | FRGS | 2023 5. FERMENTED SOY PULP (FSP) AS AN ALTERNATIVE MAIN PROTEIN SOURCE FOR INCREMENT OF AFRICAN CATFISH, CLARIAS GARIEPINUS, PRODUCTION | MEMBER | UMK-MATCH | 2020 6. OPTIMIZATION OF BIOSORBENT FABRICATION DERIVED FROM SUGARCANE BAGASSE FOR PHENOLIC ADSORPTION: MODELING OF OPTIMIZED FACTORS AND EXAMINATION OF ADSORPTION MECHANISM | HEAD | RAGS | 2014 7. PREPARATION AND CHARACTERIZATION OF SOL-GEL HYBRID METHYLTRIMETHOXYSILANE-CHLOROPROPYLTRIETHOXYSILANE SORBENT FOR MICROEXTRACTION TECHNIQUE FOR PESTICIDES ANALYSIS | HEAD | FRGS | 2015 8. SKIM DANA INOVASI YAYASAN MUHIBAH TAN SRI FNG AH SENG | HEAD | UMK | 2020 9. SYNTHESIS AND CHARACTERIZATION OF THERMO-RESPONSIVE CATIONIC GRAFT COPOLYMERS CONTAINING 2-(2-METHOXYETHOXY)ETHYL METHACRYLATE AND OLIGO(ETHYLENE GLYCOL) METHACRYLATE VIA ATRP | MEMBER | FRGS | 2015 10. VSOL- INNOVATIVE KIT TO DETERMINE ULTRA-TRACE LEVELS OF PESTICIDES IN FRUITS AND VEGETABLES | HEAD | TSFAS | 2020 11. VSOL- INNOVATIVE KIT TO DETERMINE ULTRA-TRACE LEVELS OF PESTICIDES IN FRUITS AND VEGETABLES | HEAD | TSFAS | 2021 12. VSOL- INNOVATIVE KIT TO DETERMINE ULTRA-TRACE LEVELS OF PESTICIDES IN FRUITS AND VEGETABLES | HEAD | TSFAS | 2022
SUPERVISION	• **BIOAVAILABILITY AND ANALGESIC EFFECTIVENESS OF TRANSDERMAL AND INTRAVENOUS TRAMADOL IN CHICKEN** | CO SUPERVISOR FOR A MASTER'S STUDENT • **EFFECTIVENESS OF MALAYSIAN ISOLATED METARHIZIUM ANISOPLIAE AND IDENTIFICATION OF ITS SECONDARY METABOLITES TOWARD CATTLE TICK, RHIPICEPHALUS MICROPLUS** | CO SUPERVISOR FOR A MASTER'S STUDENT • **PEST POPULATION AND YIELD EFFECT OF ORGANIC AND INORGANIC FERTILIZER ON CHILLI** | CO SUPERVISOR FOR A MASTER'S STUDENT
RESEARCH AWARD (S)	• Product Name: Vsol - Highly Sensetive Determination of Organophosphorus Award: GOLD Role: Head Exhibition Name:PECIPTA 2022 • Product Name: VSOL Award: GOLD Role: Head Exhibition Name:CRI 2022 • Product Name: DEFENCE, SECURITY AND SUSTAINABILITY EXHIBITION (DSS) 2022. Award: GOLD Role: Head Exhibition Name:DSS 2022 • Product Name: VSOL-Highly Sensitive Determination Pesticides in Fruits and Vegetables using Sol-Gel Hybrid as Sorbent for Dispersive Solid Phase Extraction Award: GOLD Role: HEAD Exhibition Name:MTE 2020 • Product Name: VSOL Award: GOLD Role: Head Exhibition Name:VIRTUAL INNOVATIVE COMPETITION UITM • Product Name: Vsol - Highly Sensetive Determination of Organophosphorus Award: GOLD Role: Head Exhibition Name:IIDEX 2022 • Product Name: VSOL Award: GOLD Role: Head Exhibition Name:ITEX • Product Name: VSOL Award: SPECIAL Role: Head Exhibition Name:ITEX • Product Name: VSOL - INNOVATIVE METHOD TO DETERMINE ULTRA TRACE LEVELS OF PETICIDES IN FRUITS AND VEGETABLES

	Award: SPECIAL Role: HEAD Exhibition Name:BIF 2020 • Product Name: VSOL Award: SPECIAL Role: Head Exhibition Name:VIRTUAL INNOVATIVE COMPETITION UITM • Product Name: Vsol - Highly Sensetive Determination of Organophosphorus Award: SILVER Role: HEAD Exhibition Name:EREKA 2020 • Product Name: VSOL - INNOVATIVE METHOD TO DETERMINE ULTRA TRACE LEVELS OF PETICIDES IN FRUITS AND VEGETABLES Award: SILVER Role: HEAD Exhibition Name:BIF 2020

D. CONSULTATION

CONSULTATION(S)	1. ACS FESTIVAL GRANT 2020 | HEAD | 2020

E. COMMUNITY SERVICES

COMMUNITY SERVICES	