

PROFILE		
1	NAME	RUZIANISRA MOHAMED
2	ACADEMIC POSITION	SENIOR LECTURER
3	STATUS OF APPOINTMENT	PERMANENT
4	CITIZENSHIP	MALAYSIAN
5	EDUCATION	<ul style="list-style-type: none"> • PhD in Bioinformatics (Saarland University, Saarbruecken, Germany)-2017 • Master of Biotechnology and Bioinformatics (La Trobe Uni, Melbourne, Australia)- 2009 • Bachelor of Science Bioinformatics (University of Malaya, Kuala Lumpur, Malaysia)-2005
6.	LANGUAGE	<ul style="list-style-type: none"> • Malay • English • Basic German
7	WORKING EXPERIENCE	<ul style="list-style-type: none"> • Lecturer (DM52) Faculty of Pharmacy, Universiti Teknologi MARA (UiTM), Puncak Alam Campus March 2017 – Present • Lecturer (DM45) Faculty of Pharmacy, Universiti Teknologi MARA (UiTM), Puncak Alam Campus August 2008 – February 2017
8	CURRENT ACADEMIC RESPONSIBILITIES	<ul style="list-style-type: none"> • RP for PHC632 Research Project • Lecturer for Biostatistics PHC410 • Lecturer for Structural Bioinformatics & Drug Discovery PHC664 • Lecturer for Entrepreneurship ENT530
9	RESEARCH INTERESTS/ PROJECTS	<ul style="list-style-type: none"> ▪ Bioinformatics ▪ Protein-protein Interactions ▪ Cancer Biomarkers ▪ Biostatistics
10	PUBLICATIONS	<p><u>Journal articles (Indexed SCOPUS/WoS):</u></p> <p>1) Zulfikri, Nurul & Mustaffa, Nur & Mohamed, Ruzianisra & Supardan, Siti & Kamil, Suraya. Electrospun Light-emitting Tm³⁺-doped SiO₂-HfO₂ nanofiber for photonic applications. Journal of Luminescence. (2023). 257. 119723. 10.1016/j.jlumin.2023.119723.</p>

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| | | <ol style="list-style-type: none"> 2) Husain S, Mohamed R, Abd Halim KB, Mohd Mutalip SS. Homology modeling of human BAP1 and analysis of its binding properties through molecular docking and molecular dynamics simulation. <i>J Biomol Struct Dyn</i>. 2022 Aug 30:1-16. doi: 10.1080/07391102.2022.2117244. Epub ahead of print. PMID: 36039769. 3) Awang, A. B. C., Mutalip, S. S. M., Mohamed, R., Nordin, M., Siew, J. S. K., & Dasiman, R. (2022). A Review of the Effects of Vitamin E in Ovarian Cancer. <i>International Journal of Pharmaceutical Research and Allied Sciences</i>, 11(2), 81-85. https://doi.org/10.51847/lrcoB7AMrq 4) Norsyifa Jamal, Nurul Izzah Zainol, Nurul Athirah Zakaria, Suhaidah Mohd Jofry, Ruzianisra Mohamed, Farahdina Man, Chee-Yan Choo. Safety, efficacy, and mechanism of action of herbs used for obesity management: A thematic review, <i>Obesity Medicine</i>, Volume 32, 2022, 100415, ISSN 2451-8476, https://doi.org/10.1016/j.obmed.2022.100415. 5) Siti Syairah Mohd Mutalip, Massita Nordin, Ruzianisra Mohamed, John Shia, Kwong Siew. Vitamin E and Polycystic Ovary Syndrome: A Review on The Reported Clinical Trials. <i>Pharmacophore</i>, 12(3) 2021, 60-63. 6) Nur Najwa Adlina Mohd Zaid, Fazleen Haslinda Mohd Hatta, Siti Syairah Mohd Mutalip, Ruzianisra Mohamed, Mohd Shihabuddin Ahmad Noorden. (2021). The Roles of Tumour Suppressor miRNAs in Liver Cancer Progression. <i>International Journal of Pharmaceuticals, Nutraceuticals and Cosmetic Science</i>. 4: 13-32 7) Ruzianisra Mohamed & Raja Nur Hidayah Raja Hasnan. In silico discovery of potential diagnostic biomarkers of lung cancer. <i>Thai Journal of Pharmaceutical Sciences</i>. 2020, 44 (2): 66-72. 8) Ruzianisra Mohamed, Jennifer Degac and Volkhard Helms. Composition of Overlapping Protein-Protein and Protein-Ligand Interfaces. <i>PLoS One</i>. 2015 Oct 30;10(10):e0140965. doi: 10.1371/journal.pone.0140965. 9) Noor Asidah Mohamed, Ruzianisra Mohamed & Teoh Teow Chong. (2012). Homology modeling of Coagulase in <i>Staphylococcus</i> |
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aureus. Bioinformation. 8 (9), 412-414. IF: 1.15 (Thomson/ISI)

- 10) Siti Syairah M. M and **Ruzianisra M.** (2012). Sexual Education In Malaysia: Accepted Or Rejected?.Iranian Journal of Public Health, Vol. 41, No.7, 34-39. IF:0.341. (Thomson/ISI)
- 11) Siti Syairah M. M. and **Ruzianisra M.** (2012). Risiko Ancaman Akidah dalam Isu Penciptaan Sel Gamet Manusia. Global Journal of Al Thaqafah, 2 (1), 43-53.

Journal articles (non-Indexed):

- 1) Mohamad Na'im, Nael Awatif and Wan Ibrahim, Wan Nor Hidayah and Nordin, Massita and **Mohamed, Ruzianisra** and Mohd Mutalip, Siti Syairah Effect of delta (δ)-tocotrienol supplementation on the Blood Follicle-stimulating Hormone (FSH) and Luteinising Hormone (LH) levels in female mice: a preliminary study / Nael Awatif Mohamad Na'im [et al.]. [International Journal of Pharmaceutical, Nutraceutical and Cosmetic Science \(IJPNaCS\)](#), (2023) 6 (1). pp. 1-5. ISSN 2682-8146
- 2) Mohd Joffry, Suhaidah and C W Rosli, Siti Aisyah and **Mohamed, Ruzianisra** Identification of potential biomarkers for cerebral palsy using bioinformatics approaches / Suhaidah Mohd Joffry, Siti Aisyah C W Rosli and Ruzianisra Mohamed. [International Journal of Pharmaceutical, Nutraceutical and Cosmetic Science \(IJPNaCS\)](#), (2023) 5 (2). pp. 1-14. ISSN 2682-8146

Conference Proceeding

- 1) Chumati NS, Massita Nordin, Siti Syairah Mohd Mutalip, **Ruzianisra Mohamed.** (2021). Effects of food restriction on ovulation in the Sprague Dawley rats. Thai Journal of Pharmaceutical Sciences (Abstract of the Virtual International Research Network Initiative (IRNI) and International Postgraduate Conference on

		<p>Pharmaceutical Sciences (IPoPS) 2021). (SCOPUS indexed)</p> <p>2) Syarifuddin Husain, Ruzianisra Mohamed, Khairul Bariyyah Abd Halim, Siti Syairah Mohd Mutalip, Massita Nordin, Mohd Shihabuddin Ahmad Noorden. (2021). BAP1: Its relationship with cancers and current treatments. Thai Journal of Pharmaceutical Sciences (Abstract of the Virtual International Research Network Initiative (IRNI) and International Postgraduate Conference on Pharmaceutical Sciences (IPoPS) 2021). (SCOPUS indexed)</p> <p>3) Tajuddin NH, Fazleen Haslinda Mohd Hatta, Ruzianisra Mohamed, Siti Syairah Mohd Mutalip, Mohd Shihabuddin Ahmad Noorden. (2021). Understanding Alzheimer's disease pathogenesis and the roles of miR-125b. Thai Journal of Pharmaceutical Sciences (Abstract of the Virtual International Research Network Initiative Conference on Pharmaceutical Sciences (IPoPS) 2021). (SCOPUS indexed)</p> <p>4) Ruzianisra Mohamed and Siti Nursyaqira Zainudin. (2019). In Silico Analyses of Potential Hub Genes Associated with Prostate Cancer. 5th International Conference on Information Technology & Society (ICITS 2019).</p>
11	RESEARCH GRANTS	<p>Principal Investigator</p> <p>1) Dana Kecemerlangan UiTM (Principal Investigator). Title: Homology Modeling of coagulase enzyme in Staphylococcus aureus. Amount: RM5,600.00. Status: Completed (2010)</p> <p>2) FRGS (Principal Investigator). Title: Homology Modeling of E21 Transcription Factor from Homo sapiens. Amount: RM56,000.00. Status: Completed (2013)</p> <p>3) FRGS-RACER (Principal Investigator). Title: Homology Modeling of Human BAP1 And Analysis of Its Binding Properties Through Molecular Docking and Molecular Dynamics Simulation. Amount: RM52,000. Status: Completed (Year 2019-31 August 2022)</p>

		<p>Co-Investigator</p> <ol style="list-style-type: none"> 1) 2023- FRGS Title: ovel therapeutic drugs identification for Pulmonary Arterial Hypertension using integrated approaches. Amount:RM92,000 Duration: 2 years (Oct 2023-September 2025) Status: Active (On-going) 2) 2023- KEPU Title: Exploring the Potential Neuroprotective Properties of Astaxanthin Nanoemulsion in Modulating Brain Insulin Resistance in an Alzheimer’s Disease Rat Model Amount: RM 40,000 Status: Active (on-going)
12	<p>POSTGRADUATE SUPERVISION</p>	<p>Main Supervisor</p> <ol style="list-style-type: none"> 1) Syarifudidin bin Husain -Master of Science, Faculty of Pharmacy UiTM Title of Thesis: Computer Aided Drug Repurposing for Human BRCA1 Associated Protein (BAP1) Status: Completed Year: 2023 <p>Co- Supervisor</p> <ol style="list-style-type: none"> 1) Nor Asidah Mohamed -Msc Bioinformatics University of Malaya Title of Thesis: Homology modeling of Coagulase in <i>Staphylococcus aureus</i> Status: Completed Year: 2011
	<p>UNDERGRADUATE SUPERVISION</p>	<p>Main Supervisor-14 students (2017-2023) Co- Supervisor-8 students (2017-2023)</p>
	<p>INTERNSHIP SUPERVISION</p>	<p>Main Supervisor Year 2023</p> <ol style="list-style-type: none"> 1) Nor Asfariya Diana binti Zamri, UTM 2) Siti Nur Aqilah Muhammad Nasser, UTM 3) Muhammad Akmal Aqil bin Roziman,UTM <p>Year 2020</p> <ol style="list-style-type: none"> 1) Natrah Atiqah binti Maspan, UPSI <p>Year 2017</p> <ol style="list-style-type: none"> 1) Gokulaasrimugunthan Erison, UNISEL
13	<p>CONSULTATION/EXPERT MEETING/SPEAKER</p>	<ol style="list-style-type: none"> 1) Expert Panel Workshop (EPW) and Meeting 2023 - MSc in Sustainable Cheminformatics,

		<p>Universiti Teknologi Petronas (UTP) at Double Tree by Hilton KL, 8th Feb 2023</p> <p>2) Speaker for Hands-on Workshop on Bioinformatics for Life Sciences & Drug Design, Faculty of Pharmacy, UiTM Puncak Alam, March 13-17</p>
14	REVIEWER	<p>1) ESTEEM Academic Journal</p> <p>2) IJPNaCS</p> <p>3) Malaysian Journal of Biochemistry & Molecular Biology</p> <p>4) IEEE</p>
15	AWARDS	<p>1. Excellent Service Award UiTM 2020</p> <p>2. Excellent Service Award UiTM 2011</p>
	INNOVATION AWARDS	<p>Year 2023</p> <p>1) Bronze– INVIDE2023: ‘SAFEME – Girls Safety Kit’</p> <p>2) Bronze– IVISBIPIC2023: ‘Blossom – Evolving Feminism’</p> <p>3) Bronze– PharmIIDEx 2023: ‘Blossom – Evolving Feminism’</p> <p>Year 2022</p> <p>1) Gold– IIDEx 2022: ‘LOVEME – Girls Safety Kit’</p> <p>2) Bronze– iTAC2022: ‘Undergraduate Research Poster Guidelines: A Digital Flipbook on the Do's and Don'ts’</p> <p>3) Silver –EDGII2022: ‘Crossword Puzzles as an Online Self-Learning Tool in the Human Anatomy & Physiology Course’</p> <p>4) Bronze– iTAC2022: ‘Student Self-Assessment Approach in the Teaching of Human Anatomy & Physiology Course’</p> <p>5) Bronze– IINNCOME2022: ‘A Novel Approach Using Short Educational Videos in Teaching Human Anatomy & Physiology’</p> <p>6) Bronze– PharmIIDEx 2022: ‘Feminine KiT: Less Worries, More Hygiene’</p> <p>7) Silver– IIDEx 2022: ‘Feminine KiT: Less Worries, More Hygiene’</p> <p>8) Bronze– PharmIIDEx 2022: ‘LOVEME – Girls Safety Kit’</p> <p>Year 2021</p> <p>1) Bronze– IIDEx 2021: ‘Anti-Müllerian hormone (AMH) Rapid Self-Test Kit’</p>

		<p>2) Bronze– PharmIIDEx 2021: ‘Anti-Müllerian hormone (AMH) Rapid Self-Test Kit’</p> <p>Year 2020</p> <p>3) Silver– IIDEx 2020: ‘OOCYTE CollectionKiT for Rodents’</p> <p>4) Bronze– PharmIIDEx 2020: ‘OOCYTE CollectionKiT for Rodents’</p> <p>Year 2019</p> <p>1) Bronze- Iinic2019: Mobile Application My Pink Book for Malaysian Pregnant Women 2.0</p> <p>2) Silver– IIDEx 2019: ‘EMBRYO PreparationKiT’</p> <p>3) Gold– PharmIIDEx2019: ‘EMBRYO PreparationKiT’</p> <p>Year 2018</p> <p>1) Bronze – ICDC20218 Mobile Application My Pink Book for Malaysian Pregnant Women</p>
16	INTELECTUAL PROPERTY RIGHTS	<p>1) Year 2022- Title: The Board Game Biostatistics Edition: Guess the Test IP No.: IP/CR/04060 Co-inventor</p> <p>2) Year 2020- EMBRYO Preparation kit— Simplifying Your Research. IP No.: IP/CR/00541 Co-inventor</p>
17	INVOLVEMENT IN PROFESSIONAL ORGANISATIONS	<p>1) Malaysian Society of Bioinformatics and Computational Biology (2017-present)</p> <p>2) Women in STEM, Saarland University (2013-2016)</p>
18	PARTICIPATION IN CONTINUING EDUCATION	<p>1) Computer Simulation and Theory of Macromolecules Workshop Hunfeld, Germany. April 2013, April 2014 and April 2015.</p> <p>2) Data Science Summer School 2014 Saarland University, Saarbruecken, Germany</p>
19	COMMUNITY SERVICE	<p>1) SAFEME: Girls Safety Kit- Introduction and Demonstration 14 September 2023 SMK Saujana Utama, Selangor. Project Director, Speaker, and Facilitator</p> <p>2) Jom Sains Farmasi (2018) at Faculty of Pharmacy UiTM Puncak Alam Campus - Project Director</p>