

<b>CURRICULUM VITAE</b>		
<b>1</b>	<b>NAME</b>	NURUL IZZATI BINTI OSMAN
<b>2</b>	<b>ACADEMIC POSITION</b>	SENIOR LECTURER
<b>3</b>	<b>STATUS OF APPOINTMENT</b>	PERMANENT
<b>4</b>	<b>CITIZENSHIP</b>	MALAYSIAN
<b>5</b>	<b>EDUCATION</b>	<ul style="list-style-type: none"> <li>• PhD Science (in Plant Biotechnology), UiTM</li> <li>• Master of Science (Research), UiTM</li> <li>• Bachelor of Pharmacy (Hons), International Islamic University Malaysia</li> </ul>
<b>6</b>	<b>WORKING EXPERIENCE</b>	<ul style="list-style-type: none"> <li>• Senior Lecturer, Faculty of Pharmacy, UiTM Puncak Alam, September 2019 – present.</li> <li>• Research Officer, Faculty of Plantation and Agrothecology UiTM, 2019.</li> </ul>
<b>7</b>	<b>CURRENT ACADEMIC RESPONSIBILITIES</b>	<ul style="list-style-type: none"> <li>• PHC614: Pharmacognosy (Lecture, Tutorial &amp; Practical)</li> <li>• PHC414: Fundamental of Pharmaceutical Chemistry (Tutorial &amp; Practical)</li> <li>• PHC610 &amp; PHC632: Research Proposal &amp; Research Project (Supervision)</li> <li>• PHC563: Pharmaceutical Analysis (Lecture, Tutorial &amp; Practical)</li> <li>• PHC464: Pharmaceutical Organic Chemistry (Tutorial &amp; Practical)</li> </ul>
<b>8</b>	<b>RESEARCH INTERESTS/ PROJECTS</b>	<ul style="list-style-type: none"> <li>• Micropropagation of medicinal plant species</li> <li>• Crop production and improvement through plant biotechnology</li> <li>• Secondary metabolites study and biological activities of medicinal plant species</li> <li>• Climate change impact on plant adaptability</li> <li>• Application of green chemistry for sustainability</li> </ul>

9	PUBLICATIONS	<p><b>Journal article:</b></p> <ul style="list-style-type: none"> <li>• Jamilkhair NA, Awal A, <b>Osman NI</b>, Ismail NH &amp; Jantan MA. Establishment of explant sterilization protocol and the effects of BAP and AgNO<sub>3</sub> on in vitro multiplication of <i>Kaempferia parviflora</i> Wall. ex Baker. Malaysian Journal of Chemistry, 26(1). <a href="https://doi.org/10.55373/mjchem.v26i1.332">https://doi.org/10.55373/mjchem.v26i1.332</a></li> <li>• <b>Osman NI</b>, Azmi NS, Soder DSM, Awal A &amp; Laham J. Impact of global warming through drought stress simulation on morphological features of <i>Ananas comosus</i> L. (Pineapple) var. MD2 clonal plantlets. Modern Phytomorphology. (Article in press, 2024).</li> <li>• <b>Osman NI</b> &amp; Awal A. Plant tissue culture-mediated biotechnological approaches in <i>Lycium barbarum</i> L. (red goji or wolfberry). Horticulture, Environment and Biotechnology. 2023.</li> <li>• Supian FNA &amp; <b>Osman NI</b>. Phytochemical and pharmacological activities of natural dye plant, <i>Lawsonia inermis</i> L. (Henna). Journal of Young Pharmacist. 2023; 15(2): 201-211.</li> <li>• Baharudin NF &amp; <b>Osman NI</b>. Plant development, stress responses, and secondary metabolism under ethylene regulation. Plant Stress. 2023. <a href="https://doi.org/10.1016/j.stress.2023.100146">https://doi.org/10.1016/j.stress.2023.100146</a></li> <li>• <b>Osman NI</b>, Sidik NJ &amp; Awal A. Comparative callogenesis assessment in leaf and endosperm explants of <i>Barringtonia racemosa</i> L. ASM Science Journal, 2021: 16, 258.</li> <li>• Mohd Zawawi SNA, <b>Osman NI</b>, Abdul Wahab I. Black garlic (<i>Allium sativum</i> L.) in complementary medicine: A concise phytochemical and pharmacological review. Journal of Complementary Medicine Research. 2021;12(2): 220-226.</li> <li>• Mohd Zawawi SNA, <b>Osman NI</b>, Abdul Wahab I &amp; Mohsin HF. Comparative phytochemical profiling of garlics (<i>Allium sativum</i> L.) and Onion (<i>Allium cepa</i> L.). Journal of Pharmaceutical Research International. 2021;3: 7-17.</li> <li>• <b>Osman NI</b>, Sidik NJ &amp; Awal A. Efficient enhancement of gallic acid accumulation in cell suspension culture of <i>Barringtonia racemosa</i> L. by elicitation. Plant Cell Tissue and Organ Culture, 2018;135(2):203-12.</li> <li>• <b>Osman NI</b>, Sidik NJ &amp; Awal A. Establishment of cell suspension culture for secondary metabolite study in <i>Barringtonia racemosa</i> L. Journal of Engineering and Applied Sciences. 2018;13 (SI 3):3119-24.</li> <li>• Adam NAM, Sidik NJ, <b>Osman NI</b>, Rezali NI &amp; Saleh A. Effects of different culture system for micropropagation of <i>Melastoma decemfidum</i>.</li> </ul>
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10	RESEARCH GRANTS	<ul style="list-style-type: none"> <li>• Geran Penyelidikan Pembangunan Kerjaya, GPPK UiTM [2020-2022]. Micropropagation utilizing plant bioreactor technology for local breeding of <i>Lycium barbarum</i> L. (Goji). – Principal Investigator</li> <li>• Geran Penyelidikan Khas UiTM [2021-2023]. Impact of global warming through thermal stress simulation on clonal plantlets of <i>Ananas comosus</i> L. (Pineapple) . – Principal Investigator</li> <li>• Fundamental Research Grant Scheme (FRGS), Ministry of Higher Education [2021-2024]. Enhancement of quality planting materials of <i>Phyllostachys edulis</i> bamboo species in digital automation bioreactor. – Project member</li> </ul>
11	AWARDS	<ul style="list-style-type: none"> <li>• Vice Chancellor Quality Award (AKNC), 2023. Research, Publication, and Commercialization focus area. Writer of Leadership Criteria.</li> </ul>

		<ul style="list-style-type: none"> <li>• Anugerah Kecemerlangan Pembudayaan Kualiti (Staf Akademik) 2023.</li> <li>• Vice Chancellor Quality Award (AKNC), 2022. Alumni, Community, and Volunteerism focus area. Writer of Leadership Criteria.</li> <li>• Anugerah Perkhidmatan Cemerlang (Excellent Service Award) 2021.</li> <li>• Sijil Penghargaan Penerbitan (Publication Appreciation Certificate). Hari Anugerah Kualiti Fakulti Farmasi 2021</li> <li>• Gold award. Pharmacognosy. MOOC E-Condev (The Virtual International e-Content Development Competition) 2021 (teaching team member)</li> <li>• Silver medal. C-Culture Savvy Trestle. International Exposition on Syariah Compliant Idea, Invention, Innovation and Design, ISCIID 2021</li> <li>• Postgraduate Publication Award, Faculty of Applied Sciences, UiTM Shah Alam, 2018.</li> <li>• Bronze medal, The Development of Cell Culture Growth Measurement Device for Cell Suspension Culture Studies. Invention, Innovation and Design Exposition, IIDEX 2016.</li> <li>• Gold medal, <i>In Vitro</i> Propagation of Goji: A New Commodity for Agriculture. International Exposition on Syariah Compliant Idea, Invention, Innovation and Design, ISCIID 2014.</li> </ul>
12	<p><b>INVOLVEMENT IN PROFESSIONAL ORGANISATIONS</b></p>	<ul style="list-style-type: none"> <li>• Member, Malaysian Society of Plant Physiology (MSPP), 2019-present</li> <li>• Member, Malaysian Pharmacist Society (MPS), 2019-present</li> </ul>
13	<p><b>PARTICIPATION IN CONTINUING EDUCATION</b></p>	<p><b><u>Program/Seminar/Service</u></b></p> <ul style="list-style-type: none"> <li>• Lecturer of Analytical Chemistry, Teaching Collaboration Program with Universitas Ubudiyah Indonesia (UII), September – November, 2021.</li> <li>• Panelist. UiTM Council of Professors Webinar Series 2021. Key to Excellence Mentor-Mentee Performance, July 2021.</li> <li>• Panelist. Inspirational Forum for PhD Students, Faculty of Plantation and Agrotechnology, UiTM Shah Alam, November 2018.</li> </ul> <p><b><u>Conferences:</u></b></p> <ul style="list-style-type: none"> <li>• Presenter. International Research Network Initiative 2020. Online Platform (Zoom).</li> <li>• Presenter. Sustainable Agriculture, Food and Energy Conference (SAFE), 2019, Phuket, THAILAND.</li> <li>• Presenter. Conference on Science and Social Research (CSSR), 2017, Malacca, MALAYSIA.</li> </ul>

		<ul style="list-style-type: none"> <li>• Participant. 8th International Conference on Biotechnology and Food Science (ICBFS), 2017. Hanyang University, SOUTH KOREA.</li> <li>• Presenter. International Conference on Herbal Science Technology and Medicine (HERBSTEM) 2016, Krabi, THAILAND.</li> <li>• Participant. International Conference on Herbal Science Technology and Medicine (HERBSTEM) 2016, Krabi, THAILAND.</li> <li>• Presenter. 8th Asian Network of Research on Antidiabetic Plants International Seminar (ANRAP) 2015, Shah Alam, MALAYSIA.</li> <li>• Presenter. 2nd International Conference of Traditional and Complementary Medicine on Health (ICTCMH) 2015, Taipei, TAIWAN.</li> </ul> <p><b><u>Courses:</u></b></p> <ul style="list-style-type: none"> <li>• Participant. A.D.A.B: The Essence of Teaching. 29-31 May 2023. ILD Bandar Enstek, Negeri Sembilan. Malaysia.</li> <li>• Participant. Identity and Grit Development Program (Building Esprit De Corps Among Academic Leaders). 2022. UiTM Kampus Dungun, Terengganu, Malaysia.</li> <li>• Participant. Hybrid Workshop on Applications of NMR Spectroscopy. 2022. Faculty of Pharmacy UiTM. Malaysia</li> <li>• Participant. Quality in Higher Education. 2021. ILD UiTM Malaysia.</li> <li>• Participant, International Symposium of Native Plant Species in Reproductive Physiology, Molecular Biology &amp; Biocomposite Applications: A Symposium Session with Kastamonu University Turkey, 2017, Shah Alam, Malaysia.</li> <li>• Participant, <i>In Situ</i> Transmission Electron Microscope (TEM) Facilities for Fundamental Research, Institute of Science (IOS), 2016, Shah Alam, Malaysia.</li> <li>• Participant, Application of Fluorescence Microscopy in Biological Research, Department of Biology, Faculty of Applied Sciences, 2015, Shah Alam, Malaysia.</li> </ul>
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<b>14</b>	<b>COMMUNITY SERVICES</b>	<ul style="list-style-type: none"><li>• Volunteer &amp; Member, WWF (World Wide Fund For Nature, formerly known as World Wildlife Fund) Malaysia, 2023.</li><li>• Lifetime Volunteer, Muslim Volunteer Malaysia MVM, 2019-present.</li><li>• Volunteer, Bantuan Musim Sejuk 7.0, Syria Care Projects, Syria Care Malaysia, 2019.</li><li>• Volunteer Kempen Ramadhan Al-Khair, Syria Care Malaysia, 2016.</li></ul>
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