

CURRICULUM VITAE

1	Name	AHMAD AZANI BIN OTHMAN
2	Date of birth / Citizenship	23 March 1975 / Malaysian
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6	Academic Qualifications	<ul style="list-style-type: none"> • MSc Molecular Medical Microbiology, The University of Nottingham, UK. (2003) • BSc (Hons) (Microbiology), Universiti Kebangsaan Malaysia. (1998) • Certificate of “Kursus Asas Pengajaran, UiTM” (2012)
7	Professional Membership	The Science Advisory Board. (Membership Number 10962500)
7	Career History	<ul style="list-style-type: none"> • Microbiologist, National Blood Centre, Ministry of Health Malaysia, (Aug. 1998 – Feb. 2005) • Program Coordinator, Lecturer, Universiti Teknologi MARA, Permatang Pauh Campus, 1 March 2005 – 30 November 2005. • Lecturer, Universiti Teknologi MARA, Puncak Alam Campus, 1 March 2005 – present.
7	Current Employment and Teaching Experience	<ul style="list-style-type: none"> • Responsible for carrying out teaching and research duties in life sciences courses and involved in the research and designing of new courses and materials. • Assessing students' coursework and material. • Involved in the set-up of exams and the marking of results. • Responsible for the departmental administrative tasks. • Providing mentoring, advice, and support to students on a personal level. (Academic advisor) • Implementing University research projects and being involved in their publication and supervision for internship programs. • Related courses: <ul style="list-style-type: none"> ○ Microbiology & Parasitology (Resource Person, Lecture, Tutorial, PBL, Laboratory Practical), ○ Human Anatomy & Physiology (Lecture, Tutorial, PBL & Laboratory Practical) ○ Pharmaceutical Biochemistry. (Lecture, Tutorial, PBL & Laboratory Practical) ○ Drugs in Sports: (Tutorial/PBL sessions) ○ Bioengineering & Biotechnology (Lecture) ○ Principles of Entrepreneurship. ○ Final year research project.

8	Research Interests/Projects	<ul style="list-style-type: none"> • Molecular biology for infectious diseases. • Gene targeting/gene knockout via recombinant AAV • Virus cell entry/attachment. • Environmental microbiology
9	Publications	<p>Dissertation and thesis Othman A. A. Kajian Aktiviti Anti-bakteria dan Sitotoksiti Sebatian Organometalik. UKM; 1998. (BSc in Microbiology).</p> <p>Othman A. A. Mapping the HCV E2 binding domain on SRB1 gene. The University of Nottingham; 2003. (MSc in Molecular Medical Microbiology).</p> <p>Othman A. A. The Use of Gene Knockout Technology in Permissive Hepatic Cell Lines to Investigate the Role of HCV Entry. The University of Nottingham; (PhD in Microbiology). Jan-2018.</p> <p>Investigation of Fly-Bacteria's Association on Decomposing Tissues and Antimicrobial Evaluation of Fly Larvae Native Excretions/Secretions. AA Othman, MSM Nasarudin, NN Othman, A Ahmad. (2022). Serangga 2022, 27(2): 57-76.</p> <p>A Review on the Potential of Application of CRISPR/Cas9 Technology in CYP3A4 and CYP2D6 Genes: A Way to Move Forward in Identifying New Drug Targets. (2022). ASM Sc. J., Vol. 17, 2022.</p> <p>Pharmaceutical microbiology in pharmacy education: Operational process of an objective structured practical examination (OSPE) in Universiti Teknologi MARA. Electronic Journal of Medical and Educational Technologies. 2022. https://doi.org/10.29333/ejmets/12616.</p>
10	Research Grants	<p>Antimicrobial Agents from Rainforest Fungi. Grant 600-IRDC/ ST 5/3/1030. 1 Sep. 2005 – 1 Jul. 2007. Member. Completed.</p> <p>Cytotoxicity and Antimicrobial Investigations of Novel Multi-metal Complexes of Schiff Base Series. RCF Grant 600-RMI/DANA 5/3/CG (15/2012). 1 Dis. 2012 – 30 Nov. 2014. RM 50,000.00. Researcher. Completed.</p> <p>Elucidating The Mechanisms of HCV Entry and Attachment: In-vitro Permissive Hepatic Cell Lines Gene Knockout Approach. RAGS Grant 600-RMI/RAGS 5/3 (109/2012). 15 Dis. 2012 – 14 Dis 2014. RM 60,000.00. Principal Investigator. Completed.</p> <p>A Study on Diversity of Microbes-Insect's Associations on Decomposed Tissues: A Potential Application In Forensic Entomology in Kuala Keniam Taman Negara. 1 Dis 2019 – 25 May 2022. TAMAN NEGARA SCIENTIFIC EXPEDITION (II), UiTM. Mitra SDG Grant 600-RMC/DANA 5/3/MITRA SDG (1/2019)-45. Principal Investigator. Active.</p> <p>Down-regulating CYP3A4, CYP2D6 AND CYP2C9: Understanding The Effect Of A Set Of CRISPR/CAS9 Mechanistic. GPK Grant 600-RMC/GPK 5/3</p>

		<p>(070/2020). RM20,000.00. 21 Dis. 2020 – 18 Jun 2023. Principal Investigator. Active. Completed.</p> <p>Understanding Kuala Keniam Rainforest Health Through Metagenomic Analysis of Bacteria Isolated from Native Blowflies (Diptera: Calliphoridae) and Fleshflies (Diptera: Sarcophagidae) Species. FUNDAMENTAL RESEARCH GRANT SCHEME (FRGS) Ministry of Higher Education Grant 1/2022 RM138,000.00. Active</p>
11	Consultancy Project	<p>Effect of Processing Parameters on Physico-Chemical and Biological Properties of Goose Bone Nanoparticles. Contract Research. Head Researcher. UiTM Consultancy File No: 20211118006 ROXHANA VENTURES SDN. BHD. (1299103-W). Nov-2021.</p>
12	Awards	<p>Gold Award for 'Portable DIY CO₂ Chamber' at Pharm-IIDEX 2019. Silver Award for 'Economy MyCO₂ Chamber for Rodents' at IIDEX 2019. Silver Award for 'Bio-Dice' at Pharm-IIDEX 2018. Bronze Award for 'Bio-Dice' at UiTM-IIDEX 2018. Bio-Dice MyIPO LY2018004223</p>