

**CURRICULUM VITAE**

**NAME** : NURUL AILI BINTI ZAKARIA

**ADDRESS** : B325, SCHOOL OF BIOLOGICAL STUDIES,  
FACULTY OF APPLIED SCIENCES,  
UNIVERSITI TEKNOLOGI MARA,  
40450, SHAH ALAM,  
SELANGOR

**TELEPHONE NO.** : 03-55444477

**EMAIL** : nurulaili@uitm.edu.my

**ACADEMIC QUALIFICATIONS**

<b>QUALIFICATIONS, SPECIALISATION</b>	<b>AWARDING INSTITUTION, COUNTRY</b>	<b>YEAR</b>
PhD in Chemistry (Biochemistry)	AUSTRALIAN NATIONAL UNIVERSITY	2017
MSc. (Industrial Microbiology)	UNIVERSITI SAINS MALAYSIA	2012
BSc. (Hons) Biology	UNIVERSITI TEKNOLOGI MARA	2008

**CURRENT PROFESSIONAL MEMBERSHIP-NIL****CURRENT TEACHING AND ADMINISTRATIVE RESPONSIBILITIES**

<b>CURRENT TEACHING COURSE(S)</b>	<b>CURRENT ADMINISTRATIVE RESPONSIBILITIES</b>
<b>Resource Person &amp; Teaching Lecturer for</b> <ul style="list-style-type: none"> <li>• BMS415 Cell Biology and Genetics (AS257)</li> <li>• MIC481/BMS481 Instrumentation Analysis for Biologists/Bioanalytical Chemistry (AS244)</li> <li>• BMS414 Genes and Heredity (AS244)</li> </ul>	<b>Academic advisor</b> <ul style="list-style-type: none"> <li>• BSc (Hons) Biolmolecular (20 students)</li> <li>• BSc (Hons) Applied Microbiology (10 students)</li> </ul>
<b>Supervision</b> Postgraduates Undergraduates; FSG610 & FSG 660 (FYP Students).	<b>Student Association (BIOMASS) Advisor</b>
•	<b>Ahli Jawatankuasa Audit Dalaman FSG, UiTM</b>
•	<b>Ahli Jawatankuasa Alumni FSG, UiTM (Exco Pangkalan Data Biologi)</b>

---

## CURRICULUM VITAE

•	<b>Ahli Jawatankuasa Perancangan Strategik FSG, UiTM (Setiausaha)</b>
---	---

### PREVIOUS EMPLOYMENT

NO.	EMPLOYER	DESIGNATION	YEAR
1	• UiTM Pahang, Kampus Jengka	Part-Time Full-Time lecturer (PTFT)	Sept 2018- Jan 2019
2	• Industrial Biotechnology Research Laboratory (IBRL, USM)	Research Assistant	June 2011- Dec 2011
3	• USM Main Campus, Minden	Tutor (Biostatistic, BIO109) & Teaching Assistant (Virology Lab)	Sept 2008- Sept 2010

### CONFERENCES AND TRAINING

NO.	CONFERENCES/TRAINING	VENUE	YEAR
1	WEBINAR - LESTARI COVID 19 GRANT : Q&A	ON LINE	03 July 2020
2	TAKLIMAT E-RES (SESI 4)	GOOGLE MEET	21 May 2020
3	Program Transformasi Minda (PTM)	ILD Kampung Gajah, Perak	17-21 Feb 2020
	TAKLIMAT PERMOHONAN GERAN PENYELIDIKAN FUNDAMENTAL (FRGS) FASA 1/2020	DEWAN BERLIAN DAN ZAMRUD, BANGUNAN WAWASAN UITM	13 Feb 2020
4	BENKEL KERTAS SOALAN BIOLOGI	Bilik Mesyuarat A301, FSG	12 Mac 2020
		Bilik Seminar Epsilon, FSG	12 Sept 2019
		Bilik Seminar Epsilon, FSG	27 Mac 2019
5	Bengkel Pelapaoran Projek FSG 2011 & Perancangan Aktiviti Berimpak Tinggi 2020	ILD Enstek, Nilai	19-20 Dis 2019
6	Biology Scientist Colloqium 2019	Bilik Seminar Epsilon, FSG	04 Dec 2019
7	Bengkel Akreditasi Penuh & Pematuhan Program Akademik “ Bengkel Penyediaan Dokumen Akreditasi Penuh (IQA-02)” Siri 2/2019	ILD Enstek, Nilai	17 Oct 2019
8	Higher Education Teaching & learning (KAP)	ILD Kampung Gajah, Perak	24-30 Aug 2019

### CURRICULUM VITAE

9	Kursus Audit Dalam ISO 9001: 2015 Integrated Quality Management System (iQMS)	Dewan Seminar, Kolej mawar, UiTM Shah Alam	20-21 Aug 2019
10	TAKLIMAT BERSAMA DEKAN DAN TIMBALAN DEKAN FSG	DEWAN DELTA FSG	20 Sept 2019
11	Latihan Penyediaan Audit Dalam	ILD Enstek, Nilai	24-25 July 2019
12	KLINIK "RESULT ENTRY SYSTEM"	MAKMAL M 506	26 June 2019
13	Taklimat Naib Canselor	Dewan Delta FSG	13 May 2019
14	KONFERENSI AKADEMIK UITM 2019	DEWAN AGUNG TUANKU CANSELOR (DATC), UITM SHAH ALAM	30 April 2019
15	TAKLIMAT TIMBALAN NAIB CANSELOR AKADEMIK UITM KEPADA WARGA AKADEMIK FSG	DEWAN DELTA FSG	18 April 2019
16	Bengkel Akreditasi Penuh & Pematuhan Program Akademik “Bengkel Penyediaan Dokumen Akreditasi” Siri I (Sesi I)	ILD Enstek, Nilai	20 Mac 2019
17	Istiadat Pemasyruran Tuanku Canselor UiTM	DATC, UiTM	19 Mac 2019
18	Kursus Asas Kemahiran Coaching Untuk Penasihat Akademik Muda FSG	Bilik Seminar Epsilon, Fakulti Sains Gunaan	12-13 Feb 2019

### RESEARCH

#### A. FINAL YEAR PROJECT (UNDERGRADUATES)

STUDENT'S NAME	TITLE	STATUS	STATUS (COMPLETED/ON-GOING)
Nur Fauziah Binti Abd Rani (2018254736)	Isolation of Atrazine Degrading Bacteria From Agriculture Soil	SUPERVISOR	ON-GOING
Nur Farzana Binti Ibrahim (2018437548)	Phytoscreening and Antimicrobial Study of Terung Asam Dayak ( <i>Solanum Ferox Linn</i> )	SUPERVISOR	ON-GOING

---

### CURRICULUM VITAE

Siti Norazlinda Binti Nor Azlan (2019141137)	Assessment of antimicrobial efficacy of "antimicrobial inner hijab": an <i>in-vitro</i> study	SUPERVISOR	ON-GOING
Siti Nur Mahirah Binti Maznaan (2019707317)	green synthesis of silver nanoparticles using <i>Piper betle</i> leaves: characterization and antibacterial activity	SUPERVISOR	ON-GOING
Muhammad Ruhullatif Bin Mokhtaram (2017157579)	Application of Silver Nanoparticles for The Treatment of SARS-CoV-2: A Review	SUPERVISOR	COMPLETED
Almie Amelia Munaras Khan (2017656918)	Green Synthesis of Silver Nanoparticles Using <i>Momordica charantia</i> and Its Antibacterial Activity	SUPERVISOR	COMPLETED
Nuramira Syafiq Mohd Zahir Hussin	Green Synthesis of Silver Nanoparticles Using <i>Carica papaya</i> Leaves Extract and Its Antibacterial Activity	SUPERVISOR	COMPLETED
Nur Fatin Afiqah Binti Nor Rahim	Green Synthesis and Antibacterial Effect of Silver Nanoparticles Using <i>Coriandrum sativum</i> Aqueous Leaves Extract	SUPERVISOR	COMPLETED
Farah Hani Filzah Fajim Juffa (2017970591)	Antibacterial Activity of Green Synthesized Silver Nanoparticles From <i>Cosmos caudatus</i> Leaves Extract	SUPERVISOR	COMPLETED
Azim Haziq Bin Ghafar	Green synthesis of Copper Nanoparticles Using <i>Piper Betle</i> Leaves: Characterization and Antibacterial Effect	SUPERVISOR	COMPLETED

#### B. PROJECT (POSTGRADUATES)

STUDENT'S NAME	TITLE	STATUS	STATUS (COMPLETED/ON-GOING)
SOFIA ZAIREEN BINTI SHAHRIZMAN (2020233364)	Characterization and properties of Bacterial Cellulose/latex film for its potential applications	SUPERVISOR	ON-GOING
Syaida Anati Bt Abd Rashid (2020243038)	Differential Whole-Cell Proteome Expression and Protein Interaction Network in the Biofilm of <i>Corynebacterium pseudotuberculosis</i> clinical isolates	Co-SUPERVISOR	ON-GOING

## CURRICULUM VITAE

### GRANT

**FRGS-RACER** : Genomic characterization of *Bulkholderia pseudomallei* Among Orang Utan at BMOUI (2019-2021); PI

### PUBLICATIONS

Ibrahim, Darah & Yenn, Tong & Supardy, Afifah & **Nurul Aili, Z** & Lim, Sheh-Hong. (2014). Antimicrobial effects of *Caulerpa sertularioides* extract on foodborne diarrhea-caused bacteria. European review for medical and pharmacological sciences. 18. 171-8.

Supardy, Afifah & Ibrahim, Darah & Sulaiman, Shaida & **Aili Zakaria, Nurul**. (2012). Inhibition of *Klebsiella pneumoniae* ATCC 13883 Cells by Hexane Extract of *Halimeda discoidea* (Decaisne) and the Identification of Its Potential Bioactive Compounds. Journal of microbiology and biotechnology. 22. 872-81. 10.4014/jmb.1111.11053.

Lim, Chung Liang & Ibrahim, Darah & **Aili Z, Nurul** & Supardy, Afifah & Sulaiman, Shaida. (2011). Effects of methanolic extract of a soft sponge, *Haliclonia* sp. on bacterial cells: structural degeneration study. International Journal of Comprehensive Pharmacy, 2.

**Zakaria NA**, Ibrahim D, Shaida SF, Supardy NA. Phytochemical composition and antibacterial potential of hexane extract from Malaysian red algae, *Acanthophora spicifera* (Vahl) Borgesen. World App Sci J. 2011;15:496–501.

**Zakaria, N.A.** & Ibrahim, Darah & Sulaiman, Shaida & Supardy, Afifah. (2011). Assessment of antioxidant activity, total phenolic content and invitro toxicity of Malaysian red seaweed, *Acanthophora spicifera*. Journal of Chemical and Pharmaceutical Research. 3. 182-191.

**Nurul, Z.A.**, Darah, I., Shaida, S.F., and Nor, S.A. (2010). Screening for antimicrobial activity of various extracts of *Acanthophora spicifera* (Rhodomelaceae, Ceramiales) from Malaysian waters. Research Journal of Biological Sciences, 5, 368-375.

Supardy, Afifah & Ibrahim, Darah & Sulaiman, Shaida & **Aili Zakaria, Nurul**. (2010). Antimicrobial Activity of Various Extracts of a Tropical Chlorophyta Macroalgae, *Halimeda discoidea*. 10.3923/jas.2010.3007.3013.

**CONSULTANCY - NIL**

**COMMUNITY SERVICE- NIL**

**OTHER RELEVANT INFORMATION - NIL**

---