

CURRICULUM VITAE



A. **PERSONAL DETAILS**

1. Name : Nurhidayah binti Hamzah
2. Date of Birth : 06-12-1983
3. Sex : Female
4. Office Address : Faculty of Civil Engineering, Universiti Teknologi MARA, 40450 Shah Alam, Selangor, Malaysia
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https://scholar.google.com/citations?hl=en&view_op=list_works&gmla=AJsN-F65-s6gE5PiEf6xfbxLpQrrMYvRqaqU4qn_pA3GTuRLHliex7QR75k64D7se_PQqAYD8dDaBu8vhL4eMPOZApIPg5INaUiXL5erqZrKoWLUVvXynvE&user=oAtCnPAAAAJ



<http://prisma.uitm.edu.my/prisma/?doit=pubRec>

B. **BRIEF PERSONAL HISTORY**

Nurhidayah Hamzah obtained her Bachelor's degree and Master Degree in Civil Engineering from Universiti Teknologi Malaysia (UTM), Malaysia in 2006 and 2007 respectively. In 2008, she has joined Universiti Teknologi MARA (UiTM) as senior lecturer at the Faculty of Civil Engineering. Currently, she is pursuing PhD in Civil Engineering from the same institution. Her research interest includes bioremediation, water and wastewater treatments.

C. **ACADEMIC QUALIFICATION**

No.	Name of Institution	Degree/Qualification	Date awarded
1.	Universiti Teknologi Malaysia (UTM)	MEng in Environmental management	2007
2.	Universiti Teknologi Malaysia (UTM)	Bachelor of Engineering (Hons.) Civil	2006

D. **WORKING EXPERIENCE**

1.	2008-Present	Senior lecturer, Faculty of Civil Engineering in Universiti Teknologi MARA (UiTM) - Teaching fluid mechanics, hydrology, water resource engineering, environmental sustainability, hydraulic laboratory and environment laboratory.
2.	2007-2008	Environmental Engineer, Zaidun-Leeng, Consulting Engineering. Kuala Lumpur

E. **PROFESSIONAL QUALIFICATIONS**

1. Graduate Engineer, Board of Engineers Malaysia (BEM) - Since 2009

F. **AREA OF RESEARCH**

Bioremediation, water and wastewater treatment

G. **PHD THESIS (ON-GOING)**

Degradation of Polycyclic Aromatic Hydrocarbons (PAHs) using Bacteria and Fungi Interaction

H. **RESEARCH GRANTS**

1. LESTARI: (600-IRMI/MyRA 5/3/LESTARI (013/2017) Interaction of Fungi and Polycyclic Aromatic Hydrocarbons (PAHs) in Addition of Surfactants (Principal researcher) RM20,000 (2017-2019).
2. BESTARI: Bio-degradation of Microplastic in Packed Bed Reactor for Biodiversity conservation (Member) RM20,000 (2018-2019).

I. **PUBLICATION**

Assessment on water quality and biodiversity within Sungai Batu Pahat

N Hamzah
Universiti Teknologi Malaysia

Bio-degradation of Polycyclic Aromatic Hydrocarbon (PAH) in contaminated soil by non-indigenous bacteria

N Hamzah, S Abdul Talib
Institute of Research, Development and Commercialization, Universiti ...

Improving mathematical model in biodegradation of PAHs contaminated soil using gram-positive bacteria

NAF Mohd Kamil, N Hamzah, S Abdul Talib, NH Hussain
Soil and Sediment Contamination: An International Journal 25 (4), 443-458

Comparison of phenanthrene removal by Aspergillus niger ATC 16404 (filamentous fungi) and Pseudomonas putida KT2442 (bacteria) in enriched nutrient-liquid medium

N Hamzah, N Kamil, N Singhal, L Padhye, S Swift
IOP Conference Series: Earth and Environmental Science 140 (1), 012047

Effect of surfactants on Aspergillus brasiliensis ATCC 16404 physicochemical properties

N Hamzah, N Singhal, L Padhye, S Swift
Journal of Environmental Chemical Engineering 6 (2), 3392-3398

J. **CONSULTANCY**

1. Client: Indah Water Consortium Sdn. Bhd.
Year: 2010-2013
Work Scope: Optimization on Sewage Treatment Plants (SBR, Aerated Lagoon, Extended Aeration), Indah Water Consortium, Malaysia
2. Client: Lembaga Urus Air Selangor
Year: 2013
Work Scope: Penyediaan Initial Risk Assessment (IRA) Daerah Kuala Selangor Dan Sabak Bernam,