

CURRICULUM VITAE



A. PERSONAL DETAILS

1. Name : Azianabiha A Halip Khalid
2. Date of Birth : 31 Mei 1981
3. Sex : Female
4. Office Address : Faculty of Civil Engineering, Universiti Teknologi MARA, 40450 Shah Alam, Selangor, Malaysia
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B. BRIEF PERSONAL HISTORY

A senior lecturer with 10 years of experience in lecturing, conducting and supervising research works in the Faculty of Civil Engineering, UiTM Shah Alam. Obtained an academic degree, BEng. (Hons) in Civil Engineering and a master degree (MSc.) in Environmental Engineering from Universiti Sains Malaysia (USM). Currently pursuing doctoral degree program in Universiti Kebangsaan Malaysia.

Teaching and research interest includes:

- Bioremediation of wastewater using Microalgae
- Water and Wastewater Treatment Process
- Environmental Pollutions
- Environmental Sustainability
- Energy and Renewable Energy
- Green Technology and Sustainable Building

C. PROFESSIONAL EDUCATION

Msc. Environmental Engineering, Universiti Sains Malaysia

- CGPA : 3.53
- Dissertation : A Method To Review EIA Reports

B. Eng. (Hons) Civil Engineering

- CGPA : 3.02
- Final Year Project : Site Suitability Analysis for Residential Development Using GIS

D. **PROFESSIONAL EXPERIENCE**

(August 2008 – present)

Universiti Teknologi Mara (UiTM), *Senior lecturer* in the department of Water Resources and Environmental System.

Scope of work: Lecturing, coordinating lesson plan for various engineering subjects, conducting and supervising researches in the area of environmental engineering for undergraduate students.

(May 2006 – August 2008)

Syarikat Bekalan Air Selangor (SYABAS), *Executive* in Planning and Design Department

Scope of work: Responsible in designing and maintaining water reticulation system for distribution area.

(May 2005 – May 2006)

Opus International (M) Berhad, *Assistant Engineer* under Bridge Department.
Scope of work: Carry out site assessment to rectify defects for highway and bridges, then proposed the necessary remedial works on technical aspects of the design.

E. **RESEARCH PROJECT**

Project leader, Fundamental Research Grant Scheme (FRGS), Ministry of Higher Education, Malaysia – RM 42,000

- Research Title: Biosorption and desorption characteristics of *Pleurotus Ostreatus* colonised sawdust fixed-bed column in removal of heavy metal from industrial wastewater
- Duration: 2009 – 2011

Project Member, Excellent Fund under Universiti Teknologi Mara, Malaysia – RM 4,800

- Research Title: Water loss and pressure management: A case study of Universiti Teknologi Mara, UiTM Shah Alam
- Duration: 2009 – 2010

Project Member, Excellent Fund under Universiti Teknologi Mara, Malaysia – RM 4,800

- Research Title: Radar Application for Climate Change Detection
- Duration: 2009 – 2010

F. CONSULTATION/ COLLABRATION PROJECTS

Project : Penilaian Kesan Aktiviti Akuakultur Udang Laut kepada Pencemaran Sumber Air dan Ekosistem

- Organization : Lembaga Urus Air Selangor (LUAS)
- Duration : Nov 2013 – March 2015

Project : Preparation of Proceeding Book for "The 14th International Rainwater Catchment Systems Conference 2009

- Organization : NAHRIM
- Year : Nov 2009

Project : Designing eco-friendly dustbin for composting

- Organization: Alam Flora Sdn. Bhd.
- Year : March 2009

G. PUBLICATIONS

Khalid, A. A. H., Yaakob, Z., Abdullah, S. R. S., & Takriff, M. S. (2018). Analysis of the elemental composition and uptake mechanism of *Chlorella sorokiniana* for nutrient removal in agricultural wastewater under optimized response surface methodology (RSM) conditions. *Journal of Cleaner Production*. (ISI-Indexed, Impact Factor: 5.651, H-Index : 132, Q1)

Khalid, A. A. H., Yaakob, Z., Abdullah, S. R. S., & Takriff, M. S. (2018). Growth improvement and metabolic profiling of native and commercial *Chlorella sorokiniana* strains acclimatized in recycled agricultural wastewater. *Bioresource Technology*, 247, 930-939. (ISI-Indexed, Impact Factor: 5.807, H-Index : 229, Q1)

Khalid, A. A. H., Yaakob, Z., Abdullah, S. R. S., & Takriff, M. S. (2016). Enhanced growth and nutrients removal efficiency of *Characium* sp. cultured in agricultural wastewater via acclimatized inoculum and effluent recycling. *Journal of Environmental Chemical Engineering*, 4(3), 3426-3432. (Scopus-Indexed, SJR: 0.924, H-Index : 37, Q1)

Wahid, M. A., Basri, Z. D. M., **Halip, A. A.**, Baharudin, F., Jani, J., & Ali, M. F. (2015). Antibiotic resistance bacteria in coastal shrimp pond water and effluent. In *InCIEC 2014* (pp. 1011-1018). Springer, Singapore.

Halip, A. A., Imran, S. N. M., & Shakrani, S. A. (2014). Greywater Reclamation Using Recycled Vertical Subsurface-Flow Constructed Wetland (RVFCW) for Non Potable Usage. In *InCIEC 2013* (pp. 783-793). Springer, Singapore.

Mohamad, I. N., Zainuddin, N. S., **Halip, A. A.**, & Karim, M. R. A. (2014). Effect of Water Pressure to Water Loss in Water Distribution Network. In *InCIEC 2013* (pp. 795-803). Springer, Singapore.

Book Chapter, Goh, E., Mansor, M., & Ramli, N. A. (2009). Integrated

environmental concepts: sustainable development, environmental management and ecological principles. (pp. 151 - 172)

H. **JOURNAL REVIEWER**

Ms. Ref. No.: JECE-D-17-02465

Title: Cultivation of microalgae in a power plant wastewater for sulfate removal and biomass production: A batch study

(Journal of Environmental Chemical Engineering, Q1)

Ms. Ref. No.: ECM-D-17-04956R1

Title: Enhancing biomass and lipid productions of microalgae in palm oil mill effluent using carbon and nutrient supplementation

(Energy Conversion and Management, Q1)

I. **PROFESSIONAL MEMBERSHIP**

Graduate Member of Board of Engineers Malaysia (BEM)

Member, The Malaysian Water Association (MWA)

J. **ACADEMIC/ NON ACADEMIC ACTIVITIES**

- Committee member for AKNC (2008)
- Committee member for Student Development and Alumni (2009 – 2013)
- Committee member for Final Year Project management team (2009 – 2011)
- Research fellow for Research Initiatives Group (myBioREC) (2012)
- Facilitator for Finishing School Programme (2011 – 2012)
- Committee member for FKA staff welfare association (2013 – 2015)
- Committee member for FKA Engineering Accreditation Council (2013)
- Committee member for FKA Staff Health and Safety (2018)
- Committee member for Internal FKA Audit team (2018)

K. **REFEREE**

Ir. Rohizan Mohamad,

- Manager, National Water Asset Management Company, Malaysia
- Email: rohizan@paab.my

Associate Professor Ir. Dr. Lee Wei Koon Lee

- Head of Department, Water resources and Environmental System, FKA UiTM
- Tel: 03-5543 6434
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