

CURRICULUM VITAE



A. **PERSONAL DETAILS**

1. Name : Nur Syahiza binti Zainuddin
2. Date of Birth : 11/12/1983
3. Sex : Female
4. Office Address : Faculty of Civil Engineering, Universiti Teknologi MARA, 40450 Shah Alam, Selangor, Malaysia.
5. Tel: : (6) 03-55436436 (office)
(6) 013-2669112 (h/p)
6. E-mail : syahiza@uitm.edu.my



<https://scholar.google.com/citations?user=LQncmxsAAAAJ&hl=en>



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

B. **BRIEF PERSONAL HISTORY**

Nur Syahiza Zainuddin obtained her Bachelor's degree in Civil Engineering from Universiti Teknologi Malaysia (UTM), Malaysia in 2006. In 2007, she received a Master's degree in Civil Engineering (Environmental Management) from the same university. She is currently doing PhD research in Groundwater Engineering in University of New South Wales, Sydney, Australia. She has been serving UiTM since Jun 2008 and now hold a title as a senior lecturer at the Faculty of Civil Engineering, UiTM Shah Alam, Selangor. Her research interest includes groundwater engineering, geochemistry, hydrogeology and environmental engineering.

C. **ACADEMIC QUALIFICATION**

| No. | Name of Institution | Degree/Qualification | Date Awarded |
|-----|--|---------------------------------------|--------------|
| 1. | University of New South Wales, Sydney, Australia | PhD in Groundwater Engineering | Ongoing |
| 2. | Universiti Teknologi Malaysia | MEng (Civil-Environmental Management) | 2007 |
| 3. | Universiti Teknologi Malaysia | Bachelor of Civil Engineering (Hons.) | 2006 |

D. **WORKING EXPERIENCE**

| | | |
|----|--------------|---|
| 1. | 2018-Present | Senior lecturer, Faculty of Civil Engineering in Universiti Teknologi MARA (UiTM) |
| 2. | 2008-2018 | Lecturer, Faculty of Civil Engineering in Universiti Teknologi MARA (UiTM) |
| 3. | 2007-2008 | Project Engineer, PMT Sdn. Bhd. Kajang, Selangor. |

E. **PROFESSIONAL QUALIFICATIONS**

Graduate Engineer, Board of Engineers Malaysia (BEM) - Since 2007

F. **AREA OF RESEARCH**

Geochemical and physical processes related to surface water/groundwater interactions, Groundwater Engineering, Water Resources Management, Hydrogeochemical modelling (redox-reactions, ion exchange, dissolution of minerals) and Hydrogeology.

G. **PHD THESIS**

Sources and mobility of arsenic in alluvial aquifers near surface water (*Ongoing*).

H. **RESEARCH GRANTS**

1. Ionic composition of Fog at Equatorial Climate High Land Area. Fundamental Research Grant Scheme (FRGS), Ministry of Higher Education Malaysia. RM90,000.00. 2011-2013. Completed.
2. Water Loss and Pressure Management: A Case Study in Universiti Teknologi MARA, UiTM Shah Alam Selangor. Dana Kecemerlangan

(Fund of Excellent), Research Management Institute, UiTM Shah Alam. RM5,000.00. 2010-2011. Completed.

I. PUBLICATION

1. **N. S. Zainuddin** and M. H. M. Ali. (2018). A study of microorganisms and quantitative analysis at ambience atmosphere by passive air sampling method. Volume 10 N^o. Special issue 6 (2018) issue of J. Fundm. Appl. Sci.
2. **Nur Syahiza Binti Zainuddin**, Martin S. Andersen, Andy Baker, Ellen M. Howley, Denis O'carroll, Catherine N. Jex, Karina Meredith, Eliza Wells. (2015) Dissolved organic matter (DOM) concentration and quality in a coastal aquifer. European Geosciences Union, Vienna.
3. Baker, A., Andersen, M. S., Marjo, C. E., **Zainuddin, N. S.**, Rutledge, H., Graham, P. W. And Henderson, R. K. (2014). Investigation of Pollution in Rivers and Groundwater By Fluorescence. Encyclopedia of Analytical Chemistry. John Wiley and Sons, Inc.
4. Ellen M. Howley, Catherine N. Jex, Martin S. Andersen, Andy Baker, **Zainuddin, N. S.**, Karina Meredith, Eliza Wells, Denis O'carroll, James Mcdonald, Stuart Khan, Alison J. Blyth and Robert G.M. Spencer (2014) Lignin degradation in a coastal groundwater aquifer: a useful tracer. American Geophysical Union, San Francisco, California, USA.
5. **Nur Syahiza Binti Zainuddin**, Martin Andersen, Andy Baker, Richard Crane, Denis O'carroll, Chris Marjo & Helen Rutledge (2014). Arsenic release and mobility and its relation to organic source reactivity and quality. Geological Society of Australia, Newcastle, New South Wales.
6. Andersen, M.S., O'carroll, D., Maric I., Andy, B., **Zainuddin, N. S.**, Crane, R., Hartland, A., Larsen, J., Rutledge, H., 5, Marjo, C.E., & Acworth, I. (2014) Riparian zone processes and implications for water quality and management of connected water systems. A case example of arsenic geochemistry. Geological Society of Australia, Newcastle, New South Wales.
7. Irma Noorazurah Binti Mohamad, **Nur Syahiza Binti Zainuddin**, Azianabiha Binti A Halip @ Khalid, Azianabiha Binti A Halip @ Khalid, Mohmad Radhwan Bin Abdul Karim (2013). Effect of water pressure to water loss in water distribution network. IIESM, UiTM & IEEE, Hotel Pullman, Kuching Sarawak.

J. CONSULTANCY

1. Aminuddin Bin Mohd Baki (Dr.), Fauzi Bin Baharudin, Intan Rohani Binti Endut (Dr), Irma Noorazurah Binti Mohamad, Ismail Bin Atan (Dr), Jalina Binti Kassim, Mohd Fozi Bin Ali (Dr), Norashikin Binti Ahmad Kamal (Dr.), **Nur Syahiza Binti Zainuddin**, Ramlah Bt Mohd

Tajuddin (dr), Sharifah Aminah Bt Syed Mohamad (Dr), Yasmin Binti Ashaari (Dr) (2010). Sewage treatment plant optimisation, RMI, page no :1-215 .