



CURRICULUM VITAE



Ts. Dr. Nor Azlina binti Alias
Department of Civil Engineering
Universiti Putra Malaysia,
43400 UPM Serdang, Selangor

T: 03-9769 8035
F: 03-9769 7129

Education

1. Ph.D. Water Resources Engineering, 2016, Universiti Tenaga Nasional.
2. MSc. Water Resources Engineering, 2006, Universiti Putra Malaysia.
3. B.Eng. (Hons) Civil Engineering, 2004, Universiti Putra Malaysia.

Areas of Interest

1. Water Resources Engineering
2. Hydraulic
3. Fluid Dynamic
4. Flood Forecasting and Mitigation

Professional Qualification/Membership/Affiliation

1. Board of Engineers Malaysia
2. Institutions of Engineers Malaysia (IEM)
3. Malaysia Board of Technologists (MBOT)
4. Teknologis Professional
5. International Association of Hydrological Sciences (IAHS)
6. International Association of Engineers (IAENG)
7. Pertubuhan Ikram Malaysia (IKRAM)

Appointments

Position	Duration
1. Senior Lecturer, Department of Civil Engineering, Faculty of Engineering, UPM	Sept 2020 to date
2. Senior Lecturer, Department of Architecture, Faculty of Design and Architecture, UPM	Dec 2017 – Aug 2020
3. Senior Lecturer, Faculty of Civil Engineering and Earth Resources, UPM	Oct 2016 - Nov 2017
4. Lecturer, Faculty of Civil Engineering and Earth Resources, UPM	Nov 2006 – Sept 2016

Publications

Journals

1. Fashareena Mohd, Hanifah Sulaiman, **Nor Azlina Alias**. (2021) Modified Swanson's Equation to Detect the Growth of Glioblastomas Multiforme (GBM) Tumour. *International Journal of Advanced Research in Engineering Innovation* e-ISSN: 2682-8499 | Vol. 3, No. 1, 1-18, 2021



CURRICULUM VITAE

2. **Alias, N.A.**, Yusuf, B., Abdulah, N. and Meor Razali, M.M.F. (2020). Comparative Study on Bio-composite Materials as Filters on GSI. *Global J. Eng. Tec. Review* 5 (1) 01 - 06 (2020)
3. **NOR AZLINA ALIAS**, Mohd Fauzi, N.H., Yusuf, B. and Meor Razali, M.M.F. (2020). Lab Scale Study on Integrated GSI for Urban Drainage Systems. *J. Phys.: Conf. Ser.* **1529**.
4. **NOR AZLINA ALIAS** and LARIYAH MOHD SIDEK. (2016). "Solute Transport Model for Open Channel Flow" *Journal of Energy and Environment (JEE)*. ISSN: 1985-7462 Vol 8, No 1 (2016)
5. **N. A. ALIAS** and L. Mohd Sidek (2016). "An Integrated Numerical Hydrodynamic Shallow Flow-Solute Transport Model for Urban Area". *IOP Conference Series: Earth and Environmental Science (EES)*, ISSN:1755-1315.
6. NURUL NADRAH AQILAH TUKIMAT and **NOR AZLINA ALIAS** (2016) "Assessment the Potential of SRES scenario for Kuala Sala, Malaysia" *IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)* e-ISSN : 2278-1684,p-ISSN: 2320-334X, Volume 13, Issue 3 (May-Jun 2016), PP 06-12.
7. **NOR AZLINA ALIAS** and LARIYAH MOHD SIDEK. (2016), "Application of 1D Shallow Flow Model for Simulation of Pollution Fate and Streamflow". *Proceedings of the International Symposium on Flood Research and Management*. Springer Science, pp. 251-263, ISBN : 978-981-10-0499-5.
8. **NOR AZLINA ALIAS**, QIUHUA LIANG and GEORGES KESSERWANI (2011) "A Godunov-type scheme for modelling 1D channel flow with varying width and topograph" *International Journal of Computers & Fluids*, Volume 46(1), 88-93(2011) Q2
9. **NOR AZLINA ALIAS**, THAMER AHMED MOHAMED, ABDUL HALIM GHAZALI, MEGAT JOHARI MEGAT MOHD NOOR (2007), "Impact of Takeoff Angle of Bucket Type Energy Dissipater on Scour Hole", *American Journal of Applied Sciences* 5 (2): 117-121, 2008 ISSN 1546-9239 © 2008 Science Publications
10. THAMER AHMED MOHAMED, **NOR AZLINA ALIAS**, ABDUL HALIM GHAZALI, MOHD SALEH JAAFAR (2006). "Evaluation of Environmental and Hydraulic Performance of Bio-Composite Revetment Blocks", *American Journal of Environmental Sciences* 2(4) : 2006 ISSN 1553-345X©2006, pp 129-134

Conference Proceedings

1. F, MOHD., H, SULAIMAN., and **ALIAS, N.A** "Solving Modified Swanson's Equation using Laplace Adomian Decomposition Method (LADM) and q-Homotopy Analysis Transform Method (q-HATM) for Glioblastomas Multiforme (GBM) Tumour" . Kuala Lumpur International Conference on Social Sciences, Education and Engineering (KLISEE) 19 December 2020
2. **Alias, N.A.**, Yusuf, B, Abdulah, N. and Meor Razali, M.M.F. "Comparative Study on Bio-composite Materials as Filters on GSI" . 8th Global Conference on Engineering and Technology 2020 (GCOET2020) 11-12 December 2020
3. Omran Subhi Moesas, **Nor Azlina Alias**, Aznida Azlan "Kinetic Façade Design To Enhance Daylight Performance For Office Building In Malaysia". 4th International Conference on Architecture and Civil Engineering, (ICACE2020) 19 August 2020



CURRICULUM VITAE

4. **ALIAS, N.A.**, MOHD FAUZI, N.H., MEOR RAZALI, M.M.F., and YUSUF, B. (2019) "*Lab Scale Study On Integrated Gsi For Urban Drainage Systems*". Proceeding: International Conference on Modern Applied Sciences, Engineering and Technology Application 2019 (ICMASET 2019) (ISBN: xxxx) 25th - 26th September 2019.
5. **N. A. ALIAS** and L. Mohd Sidek (2016). "*An Integrated Numerical Hydrodynamic Shallow Flow-Solute Transport Model for Urban Area*". 2nd International Conference On Advances In Renewable Energy Technologies. (ICARET 2015), IOP Conference Series: Earth and Environmental Science (EES), ISSN:1755-1315 indexed in SCOPUS. UNITEN Bangi.
6. **N. A. ALIAS** and L. Mohd Sidek (2015) "*Prediction of Flow and Pollution Fate using 1D Shallow Flow – Solute Transport Integrated Model*". 2nd International Symposium On Flood Research And Management, ISFRAM2015. ISBN : 978-981-10-0499-5 inclusion in ISI Thomson Index. Universiti Teknologi MARA, Shah Alam.
7. **NOR A. ALIAS**, LARIYAH MOHD SIDEK (2015)"*Numerical simulation on the integrated shallow water flow model*" International Conference on Advances in Civil and Environmental Engineering 2015 (ACEE2015), Faculty of Civil Engineering, Universiti Teknologi MARA Pulau Pinang. ISSN : 1823-4690 indexed in SCOPUS
8. **NOR A. ALIAS** and LARIYAH MOHD SIDEK (2014) "*Numerical Simulation on the Integrated Shallow Water Flow Model*" 13th International Conference on Urban Drainage, Sarawak, Malaysia, 7-12 September 2014
9. **NOR A ALIAS**, QIUHUA LIANG and GEORGES KESSERWANI (2010) "*A Godunov-Type Scheme for Modelling 1D Channel Flow with Varying Width and Bed Topography*" ICFD Conference on Numerical Methods for Fluid Dynamics, University of Reading, United Kingdom
10. THAMER AHMED MOHAMMED, MOHD. SALEH JAAFAR, ABDUL HALIM GHAZALI, **NOR AZLINA A.** (2008). "*Bio-composite Composite Revetment System for River Restoration in Urban Areas*" 4th ECRR Conference on River Restoration, Italy
11. **NOR AZLINA ALIAS**, THAMER AHMED MOHAMED, ABDUL HALIM GHAZALI, MOHD SALEH JAAFAR (2007), "*Enhancement Of Environmental Protection: Sustainable Development Of Revetment System*" 2nd Regional Conference on Ecological and Environmental Modelling (ECOMOD 2007)
12. THAMER AHMED MOHAMED, **NOR AZLINA ALIAS**, ABDUL HALIM GHAZALI, MOHD SALEH JAAFAR (2007), "*An Innovative Revetment System for River Restoration in Urban Areas*", 2nd International Conference on Managing Rivers in 21st Century – Solution Towards Sustainable River Basin- Kuching, Sarawak
13. THAMER AHMED MOHAMED, **NOR AZLINA ALIAS**, ABDUL HALIM GHAZALI, MOHD SALEH JAAFAR (2006), "*Evaluation of Environmental Performance of Bio-Composite Revetment Blocks*", International Conference on Environment 2006 (INCEV 06), Batu Ferringhi, Penang



CURRICULUM VITAE

1. **NOR AZLINA ALIAS**, Fluid Mechanics Module DAA1723, February 2016. Universiti Malaysia Pahang Publisher. ISBN : 978-967-0691-86-2.

Chapter in Books

1. **NOR AZLINA ALIAS**, Suhaila Zainudin, Wan Zuhainis Saad and Mazura Mastura Muhammad and Norasiken Bakar. Chapter 7 : Assessing HOTS in E-Learning among Students HEIs in Malaysia in e-Learning & Interactive Lecture: SoTL Case Studies in Malaysian HEIs edited by: Mohamed Amin Embi, Pusat Pengajaran & Teknologi Pembelajaran UKM Publisher. ISBN : 978-983-3168-48-4

Research Grants

No	Project Title	Amount (RM)	Year	Source of Fund
1	The Determination Of Motivation Factors For Architects In The Malaysian Construction Industry (Mci) For Improved Job Performance	50000	2020 - 2022	Geran Putra – IPM UPM
2	Multi-Scenario Cost Benefit Analysis Flood Mitigation Software (FaMOUS) for Water & Energy Utilities Infrastructure	45500	2019 – 2021	PRGS – Kementerian Pendidikan Malaysia
3	A Laboratory Scale Study On Eco-Friendly Integrated Storage For Drainage System In Urban Area	91000	2018- 2020	Geran Putra – IPM UPM
4	Investigation of Ensemble Water Level Forecast Model Performance for Hydropower Dam	64500	2017- 2019	FRGS – Kementerian Pendidikan Malaysia
5	A Study on Sediment Distribution of Sungai Kuantan	13000	2007- 2008	RDU 07/03/35 Universiti Malaysia Pahang
6	Development of Bio-composite Block	135000	2004- 2006	IRPA 9 th Malaysia Plan 09-02-04- 0767-EA001

Awards/Recognition(Current)

No	Name of awards	Title	Award Authority	Award Type	Year
----	----------------	-------	-----------------	------------	------



CURRICULUM VITAE

1	Perkhidmatan Cemerlang	Sijil Perkhidmatan Cemerlang 2020	Universiti Putra Malaysia	Sijil	2020
2	Teknologis Professional	Ts.	Malaysia Board of Technologists (MBOT)		2020
3	Anugerah Pegawai Akademik Terbaik	Penyelidik Muda	FRSB, UPM	Anugerah	2019
4	Anugerah Tesis Terbaik Peringkat Kebangsaan 2016	Anugerah Tesis Terbaik (Bronze)	Kementerian Sumber Asli dan Alam Sekitar & UNESCO	Anugerah	2017
	Best Paper Award at	Prediction of Flow and Pollution Fate using 1D Shallow Flow – Solute Transport Integrated Model	2nd International Symposium On Flood Research And Management, ISFRAM2015		2015

Professional Services/Consultation

No	Year	Title	Authority	Amount
1	2020	Water, Sanitation and Hygiene (WASH) Kg Senah Rayang	MERCY Malaysia	
2	2017	Rekabentuk Struktur Kerangka Awalan bagi Projek Mambina dan Menyiapkan Bangunan Maahad Tahfiz Pasir Putih di Lot 10024, Seksyen 2, Bandar Pasir Puteh, Kelantan	Arkitek Ilham Karya No 3682, Tingkat 1, Padang Landak, 22000 Besut Terengganu	
3	2013	Pakistan Project Assesment and Evaluation on Rural Medical Centre Project (MERCY Malaysia)	MERCY Malaysia	



CURRICULUM VITAE

Student Supervision

PhD

No.	Name	Title	Status
1	Majed Shaker Hussain Alazraqi	Experimental Investigation and Observation Modeling of Hydraulic Characteristics of Flow over Modified Piano Key Weir (MPKW)	On-going
2	Syafiq bin Razali	Modelling the Effects of Vanes on Hydraulics and Sediment Transport using 3D Modelling Software	On-going

MS with Thesis

No.	Name	Title	Status
1	Omran Moesas Subhi	Kinetic Façade Design to Enhance Daylight Performance for Office Building in Malaysia	Completed
2			

MS without Thesis

No.	Name	Title	Status
1	Bao Sihang	A Laboratory Scale Study on Eco-Friendly Integrated Storage for a Drainage System in Urban Area	Graduated
2			
3			

Bachelor

No.	Name	Title	Status
1	Nur Hanisah Bt Mohd Fauzi	Eco-Friendly Storage for Urban Drainage Systems.	Graduated
2	Norihan Binti Abdullah	Eco-Friendly Integrated Storage For Urban Drainage System	Graduated
3	Nurul Hanisah Binti Hisham	Water Conservation in Disrupted Residential Areas	Graduated
4	Siti Nurainin Sofia Bt Muhamad Nor	1d Numerical Modelling and Analytical Analysis of Free Surface Flow Using SWE	Graduated
5	Muhammad Syafiq Bin Misnawi	Feasibility Study on Ablution Greywater (AGW)	Graduated
6	Muhammad Husni Hakim Bin Muhammad Khairuddin	Development and Testing of Sandwich Bio-Composites for Filtration System	On-going



CURRICULUM VITAE

MS with Thesis			
No.	Name	Title	Status
7	Nurul Nadiah Binti Iskandar	Functionality and Practicality of Current Rainwater Harvesting in Residential Buildings.	On-going
8	Zuharizam Binti Mahamed	Evaluating the Performance of Different Swales Constructed in UPM	On-going