

Curriculum Vita



UNIVERSITY OF
BAGHDAD



Name: Thamer Ahmed Mohammed

Place and Date of Birth: Baghdad on 28 of June 1957

The Academic Qualifications:

1. Post Doctorate in Water Resources Engineering 1998-1999/Faculty of Engineering/Universiti Putra Malaysia
2. PhD in Water Resources Engineering 1998/Universiti Putra Malaysia
3. MSC in Water Resources Engineering 1985/University of Technology/Baghdad/Iraq
4. BSC in Water Resources Engineering 1980/University of Mosul/Iraq

Name Used in Google Scholar: Thamer Ahmad Mohammad

i10H-Index in Google Scholar: 102

Official Email Address: thamer.a.m@coeng.uobaghdad.edu.iq

Other Email Address: tthamer@gmail.com

Academic Promotions:

1. Professor at the College of Engineering, University of Baghdad from March 2017 up to date
2. Professor at the Department of Civil Engineering, Faculty of Engineering, Universiti Putra Malaysia from June 2011 to February 2017
3. Associate Professor at the at the Department of Civil Engineering , Faculty of Engineering, Universiti Putra Malaysia from 2004 to 2010
4. Senior Lecturer at the at the Department of Civil Engineering, Faculty of Engineering Universiti Putra Malaysia from 2000 to 2003

5. Research fellow at the Faculty of Engineering, Universiti Putra Malaysia from 1998-1999
6. Research associate at the Faculty of Engineering, Universiti Putra Malaysia from 1994-1998
7. Lecturer and Assistant Professor at the Department of Civil Engineering, College of Engineering, University of Mustansirya, Baghdad, Iraq from 1986 to 1993

Publications:

More than 200 Papers Published in High Ranking Journals

Authored Books:

Distributed Renewable Energies for Off-grid Communities (authored four chapter on water and renewable energy) a book published in 2021 by Elsevier

Flood Handbook (Co-authored a chapter on Hydro-Morpho Dynamics of River Junctions) the handbook published in 2021 by Taylor and Francis

Managing Stormwater: Practices and Challenges for Reuse and Recycling (authored a Chapter on Rainwater Harvesting as a Supplementary Sources for Water Supply in Urban Areas) the book published by NOVA Science publisher in 2019, NY, USA

Groundwater Engineering and Geotechnique Published by UPM Press in 2004

Research Interest:

Sustainable Urban Water and Stormwater Management, River Restoration, Hydraulic and Hydrologic Modelling, Sedimentation and Scouring, Groundwater and Wells, Water Quality Modelling, Dam Engineering and Hydraulic Structures, Advancement in Water and Wastewater Treatments, Applications of Renewable Energy in Water Resources Engineering

Patents:

Bio-Composite Revetment Block/ MY -139453-A/ Malaysian Patent Agency

Awards:

33 Awards and Medals given by Various International Agencies

Professional Memberships:

- European Desalination Society (EDS)
- European Centre for River Restoration
- International Association of Engineers
- Malaysian Society for Engineering and Technology
- Groundwater Association, California, USA
- Iraqi Engineers Union

Teaching Experience

Course Title	Code	Credits	Level	Institution
River Engineering	WRRIME804	3(3+0)	Postgraduate	University of Baghdad
Sediment Transport	WRSETR812	3(3+0)	Postgraduate	University of Baghdad
Dam Engineering	WRDE 436	6(6+0)	Undergraduate	University of Baghdad
Applications in Hydraulics	WRAH 437	3(3+0)	Undergraduate	University of Baghdad
Engineering Drainage	WRDE432	3(3+0)	Undergraduate	University of Baghdad
Engineering Statistics	WRES170	6(6+0)	Undergraduate	University of Baghdad
Civil Engineering Design Project	ECV3903	3(1+2)	Undergraduate	Universiti Putra Malaysia
Water Resources management	ECV4405	3(3+0)	Undergraduate	Universiti Putra Malaysia
Fluid Mechanics	ECV3401	3(3+0)	Undergraduate	Universiti Putra Malaysia
Hydraulics	ECV 3402	2(1+1)	Undergraduate	Universiti Putra Malaysia
Design of Water Systems	ECV3406	2(2+0)	Undergraduate	Universiti Putra Malaysia
Groundwater Engineering	ECV4403	3(3+0)	Undergraduate	Universiti Putra Malaysia
Hydraulic and Hydrology I	KAW 3412	3 (2+1)	Undergraduate	Universiti Putra Malaysia
Water Resources Engineering	KAW 4413	3(3+0)	Undergraduate	Universiti Putra Malaysia
Water Supply and Sewerage	KAW 4412	3(3+0)	Undergraduate	Universiti Putra Malaysia
Engineering Mechanics	ECV 3101	3(3+0)	Undergraduate	Universiti Putra Malaysia
Advanced Fluid Mechanics	KAW 5405	3(3+0)	Postgraduate	Universiti Putra Malaysia
Hydraulic Structures	ECV5408	3(3+0)	Postgraduate	Universiti Putra Malaysia
Groundwater Hydraulics	ECV5406	3(3+0)	Postgraduate	Universiti Putra Malaysia
Groundwater Hydrology	KBP4306	3(3+0)	Postgraduate	Universiti Putra Malaysia
Special Topics (River Mechanics)	KAW 5955	3(3+0)	Postgraduate	Universiti Putra Malaysia
Sediment Transport	KAW5408	3(3+0)	Postgraduate	Universiti Putra Malaysia
Open Channel Hydraulics	KAW5404	3(3+0)	Postgraduate	Universiti Putra Malaysia
Flow through Closed Conduits	ECV5408	3(3+0)	Postgraduate	Universiti Putra Malaysia
Natural Resources Conservation	EAB5310	3(3+0)	Postgraduate	Universiti Putra Malaysia

Research Grants:

- Total number of grants is 20
- Leader for 11 grants
- Principal researcher for 9 grants

No.	Year	Topic	Sponsor	Responsibility
1	2016-2018	Simulation of Dam Break Using Integrated Modeling	RM 14,000 Putra Grant	Project leader
2	2015-2017	Braided River Enhancement Using Spur Dikes	RM 110,000 Putra Grant	Project leader
3	2012-2014	An Investigation into the Impact of landuse Management Topology Alteration on Dissolved Organic Carbon (DOC) release and Overall Flux in Tropical Peatland Rivers in South Selangor Peat Swamp (SSPS)	RM42,000 Ministry of Higher Education Malaysia	Project leader from UPM
4	2012-2014	Proposed Integrated Mitigation System for Tsunami	E-Science Fund RM RM146,352	Project leader
5	2012-2014	Design, Fabrication and Performance of Activated Carbon Contractor for Water and Wastewater Treatment	RM 30,000 FRGS	Principal Researcher
6	2008-2102	Evaporation Reduction from Surface Reservoir using Date Palm Laves	King Saud University, Kingdom of Saudi Arabia RM 1,000,000	Project leader from UPM
7	2010-2012	Modeling the Scour at Bridges in Malaysia	RUGS RM 150,000	Project leader
8	2007-2009	Study on Local Scour at Pier and Abutment of Bridges in Malaysia	FRGS Project RM 100,000	Project leader
9	2007-2009	Probabilistic Numerical Model for the Development of Geotextile Filter Selection Criteria for Soils	FRGS Project RM 100,000	Principal Researcher
10	2007-2010	Development of a Computer Based System for Design and Management of Vegetated Waterways	E-Science Fund RM 139,996	Principal Researcher

RM=Malaysian Ringgit

No.	Year	Topic	Sponsor	Responsibility
11	2007-2010	Electokinetic Improvement of Soft Soil Clay and Organic Soils and Modeling of Their Mechanical Properties	RUGS Project RM 157,000	Principal Researcher
12	2006-2010	Performance of a Stormwater Storage Infiltration System	E-Science Fund RM 160,000	Principal Researcher
13	2003 – 2006	Development of Bio-composite Interlocking Block System for River Revetment	IRPA Project RM 157,000	Project Leader
14	2002-2006	Affordable Quality Housing research Project	HRC/UPM and CIDB Joint Project RM 1,000,000	Principal Researcher
15	2002-2004	Modeling the Effects of Vegetation Growth on the Hydraulic Performance and the Water Quality in a Tropical River System	IRPA RM 245,600	Principal Researcher
16	2000-2001	Modeling the Scour at the Bridge Pier and Abutment	UPM RM 10,000	Project Leader
17	1996-1999	Surface Water and Groundwater Modeling in Relation to Changing Landuse Pattern	IRPA Project RM 560,000	Principal Researcher
18	1991-1992	Modeling Combined Local and Contraction Scour due to Multiple Piers with Different bed Types	University of Mustansiriyah Grant, Baghdad, Iraq RM57,750 (USD 16,500)	Project Leader
19	1987-1989	Study on Maintenance of Irrigation Canals in Middle Region of Iraq	Government of Iraq RM 115,500 (USD 33,000)	Project Leader
20	1986-1988	Modeling the Hydraulics of Manifolds	University of Mustansiriyah Grant, Baghdad, Iraq RM 51,975 (USD 14,850)	Project Leader

Selected Publications (2016-2022)

Selected Published Papers 2016-2022

1. Ruaa Khalid Hamdan, Aqeel Al-Adili, **Thamer Ahmed Mohammed** (2022). "Physical Modeling of the Scour Volume Upstream of a Slit Weir Using Uniform and Non-Uniform Mobile Beds" *Water*, 14, 3273. <https://doi.org/10.3390/w14203273>
2. Yasir L. Alrubaye, Badronnisa Yusuf, **Thamer A. Mohammad**, Haslinda Nahazanan, Mohamed Azwan Mohamed Zawawi (2022). "Experimental and Numerical Prediction of Wetting Fronts Size Created by Sub-Surface Bubble Irrigation System" *Sustainability*, 14, 11492. <https://doi.org/10.3390/su141811492>
3. Naeem Zaer Nkad , **Thamer Ahmad Mohammad**, Haider Mohammed Hammoodi (2022). "Experimental Investigations on Scour Volume Upstream of a Slit Weir" *Pertanika J. Sci. & Technol.* 30 (3), 1927 – 1947.
4. Saad Shauket Sammen, **Thamer A Mohammed**, Shamsuddin Shahid (2022). Assessment of Climate Change Impact on Probable Maximum Floods in a Tropical Catchment. *Research Article*, <https://doi.org/10.21203/rs.3.rs-398782/v1>
5. Abdullah Amer, **Thamer Ahmad Mohammad**, Wissam Hameed Alawee, and Nadhir Al-Ansari (2021). "Physical Modelling of Flow and Head along with Dead-end and Looped Manifolds " *Pertanika Journal of Science and Technology*, 29 (4), 2295 - 2316.
6. Wissam H. Alawee, Hayder A. Dhahad, **Thamer A. Mohammad** (2021). "Enhancement of solar still productivity using absorber plate with inclined perforated rectangular fins: an experimental study with economic analysis" *Desalination and Water Treatment*, 213 (2021) 53–63. doi: 10.5004/dwt.2021.26730.
7. Naeem Zayer Al-Hassani and **Thamer Ahmad Mohammad** (2021). "Impact of the Weir Slit Location, the Flow Intensity and the Bed Sand on the Scouring Area and Depth at the Dam Upstream" *Journal of Engineering*, 27(5), 49-62.
DOI: <https://doi.org/10.31026/j.eng.2021.05.04>
8. Suha A. Mohammed, Wissam H. Alawee, Hayder A. Dhahad, Omara Z. M., **Thamer A. Mohammad** (2021). "Performance analysis of a solar still using an absorber plate with inclined perforated rectangular fins: Comprehensive study" *Journal of Applied Research and Technology*, 19(4). 403-419.
9. Noor Shakir Mahmood and **Thamer Ahmad Mohammad** (2021). "Simulation of Thermal Pollution at Tigris River due to Al- Dora Power Plant" *Journal of Physics*, 1-9.
doi:10.1088/1742-6596/1973/1/012245
10. Wissam H. A., Yousef A. A., Badronnisa Y., **Thamer A. Mohammad** , Hayder A. D. (2020). "Variation of Coefficient of Friction and Friction Head Losses Along a Pipe with Multiple Outlets" *Water* 2020, 12, 844, 1-15; doi:10.3390/w12030844.

11. Rabia Alsgayer, Ali Salmiaton , **Thamer Ahmad Mohammad** , Azni Idris and Che Fauziah Ishak (2020). "Removal Efficiencies of Constructed Wetland Planted with Phragmites and Vetiver in Treating Synthetic Wastewater Contaminated with High Concentration of PAHs" *Sustainability* 2020, 12, 3357; doi:10.3390/su1208335.
12. Nashwan Kamalaldean Alomari, Badronnisa Yusuf, **Thamer Ahmad Mohammad**, Abdul Halim Ghazali (2020). "Influence of diversion angle on water and sediment flow into diversion channel" *International Journal of Sediment Research*, 35(6), 600-608.
13. Mena Alsawaf, Abdul Halim Ghazali, **Thamer Ahmad Mohammad**, Aminuddin Ab Ghani, Badronnisa Yusuf. (2019). "Movable-Bed Experiments Using Spur Dike to Concentrate Flow in One Channel of Multithreaded Channel Model" *Journal of Hydraulic Engineering, ASCE*, 145(5): 06019006.
14. Nadia Ahmed El Aswad, **Thamer Ahmad Mohammad**, Abdul Halim Ghazali and Zainuddin Md Yusoff (2019). "Modelling of Groundwater Pumping Scenarios and their Impact on Saline Water Intrusion in a Tripoli Coastal Aquifer, Libya" *Pertanika Journal of Science and Technology*, 27 (3): 1407-1427.
15. Hydar Lafta Ali, Badronnisa Yusuf, **Thamer Ahamed Mohammed**, Yasuyuki Shimizu, Mohd Shahrizal Ab Razak, and Balqis Mohamed Rehan. (2019). "Enhancing the Flow Characteristics in a Branching Channel Based on a Two-Dimensional Depth-Averaged Flow Model" *Water* 2019, 11, 1863; doi:10.3390/w11091863.
16. Mehdi Karami Moghadam, Ata Amini, Marlinda Abdul Malek, **Thamer Ahmad Mohammad**, Hasan Hoseini. (2019). "Physical Modeling of Ski-Jump Spillway to Evaluate Dynamic Pressure" *Water* 2019, 11, 1687; doi:10.3390/w11081687.
17. Hydar Lafta Ali, Badronnisa Yusuf, **Thamer Ahamed Mohammed**, Yasuyuki Shimizu, Mohd Shahrizal Ab Razak, Balqis Mohamed Rehan. "Improving the Hydro-Morpho Dynamics of A River Confluence by Using Vanes" *Resources* 2019, 8, 9; doi:10.3390/resources8010009.
18. Zaty Aktar Mokhtar, **Thamer Ahmad Mohammed**, Badronnisa Yusuf, Lau Tze Liang (2019) "Experimental investigation of tsunami bore impact pressure on a perforated seawall" *Journal of Applied Ocean research*, 84(2019), 291-301.
19. Aida Tayebiyani, **Thamer Ahmad Mohammad**, Nadhir Al-Ansari, Mohammad Malakootian, (2019). "Comparison of Optimal Hedging Policies for Hydropower Reservoir System Operation" *Journal of water*, 11(121), 1-19.
20. Wissam H. Alawee, Badronnisa Yusuf, **Thamer Ahmad Mohammad**, Hyder A. Thahad (2019). "Variation of Flow along a Multiple Outlets Pipe with Various Spacing and Inflow Water Head Based on Physical Model" *Journal of Engineering Science and Technology*, 13(12), 1-12.
21. Azlan, N. N. I. M., Malek, M. A., Salina. D, Salim, J. M., **Thamer Ahmad Mohammad** (2019). "A review on water demand analyses, provisioning service and cultural service from ecosystem of Kenyir lake, Terengganu, Malaysia" *International Journal of Civil Engineering and Technology*, 10(2), 280-290.

22. **Thamer Ahmad Mohammad**, M. Johari Megat Mohd. Noor (2018). "Modeling and reliability assessment for rainwater harvesting system in a tropical region" *Journal of Desalination and Water Purification* 12:4-10, 2018.
23. Jing Li , Ameen Mohammed Salih Ameen , **Thamer Ahmad Mohammad** , Nadhir Al-Ansari, Zaher Mundher Yaseen (2018). "A Systematic Operation Program of a Hydropower Plant Based on Minimizing the Principal Stress: Haditha Dam Case Study" *Journal of water*, 10(9), 1-19.
24. Nadia Ahmad El Aswad, **Thamer Ahmad Mohammad**, Abdul Halim Ghazali, Zainuddin Yusoff. (2018). "Impact of Different Pumping Scenarios on Groundwater Level and Seawater Intrusion into the Tripoli Aquifer" *Journal of Engineering Science and Technology*, 13(12), 1-15.
25. Nordila Ahmad, Bruce W. Melville, **Thamer Ahmad Mohammad**, Zuliziana Suif. (2018). "Evaluation of Pier-scour Predictions for Wide Piers Using Field Data" *International Journal of GEOMATE*, 14(42), 140-145.
26. Ahmed Mohammed Sami, Abdul Halim Ghazali, Badronnisa Yusuf, **Thamer Ahmed Mohammed** (2018). "Permeable Channel Cross Section for Maximizing Stormwater Infiltration and Seepage Rates" *Journal of Irrigation and Drainage Engineering, ASCE*, 144(3), 1-10.
27. Aida Tayebiyani, **Thamer Ahmad Mohammad**, Abdul Halim Ghazali, Megat Johari Megat Mohd Noor. (2018). "Simulation and Optimization of Multiple Points Hedging Policies for Operation of Cameron Highland Hydropower Reservoir System, Malaysia" *Journal of Desalination and Water Treatment*, 120(2018), 205-216.
28. Hydar Lafta Ali, **Thamer Ahamed Mohammed**, Badronnisa Binti Yusuf and Azlan Abdul Aziz. (2018). "A simplification of the Einstein Equation for the Calculation of Suspended Sediment Transport in Rivers" *Int. J. Hydrology Science and Technology*, 8(4), 393-409.
29. Nashwan K. Alomari, Badronnisa Yusuf, **Thamer Ahmad Mohammad**, Abdul Halim Ghazali. (2018). "Experimental Investigation of Scour at a Channel Junctions of Different Diversion Angles and Bed Width Ratios" *Catena*, 166(2018), 10-20.
30. Nordila Ahmad, Bruce W. Melville, **Thamer Ahmad Mohammad**, Faisal Ali, Badronnisa Yusuf. (2018). "Scour Geometry at Long Skewed Bridge Piers under Shallow Water Flows" *Journal of Water Management*, 177(5), 241-252.
31. Nordila Ahmad, **Thamer Ahmad Mohammad**, Bruce W. Melville, Zuliziana Suif. (2017). "Comparison of Selected Pier-Scour Equations for Wide Piers Using Field Data" *International Journal of Environmental and Ecological Engineering*, 11(10), 199-205.
32. Nordila Ahmad, **Thamer Ahmad Mohammad**, Zuliziana Suif. (2017). "Prediction of Local Scour Around Wide Bridge Piers Under Clear-water Conditions" *International Journal of GEOMATE*, 12(34), 135-139.
33. Hamza S.M., Ahsan A., Imteaz M., **Thamer Ahmad Mohammad**, Ghazali A.H. (2017). "Groundwater Pollution Vulnerability Assessment Using A New GIS-Based DRASTIC Method" *International Journal of Water Resources and Arid Environments* 6(1): 65-79.

34. Nordila A., Melville B.W., **Thamer Ahmad mohammad**, Faisal A. , Badrunnisa Y. (2017) "Clear-water scour at long skewed bridge piers" Journal of the Chinese Institute of Engineers, 40(1), 10-18.
35. Saad Sh. Sammen, **Thamer Ahmad Mohammad**, Abdul Halim Ghazali, Larriyah, M. Sidek (2017). " An Evaluation of Existent Methods for Estimation of Embankment Dam Breach Parameters" Journal of Natural Hazards, DOI 10.1007/s11069-017-2764-z.
36. Nordila A., **Thamer Ahmad Mohammad**, Melville B.W., Faisal A. , Badrunnisa Y. (2017) "Modeling the Effect of Sediment Coarseness on Local Scour at Wide Bridge Piers" Pertanika Journal of Science and Technology, 25(1), 191-200.
37. Reza Mohammadpour, Aminuddin Ab. Ghani, Nor Azazi Zakaria, **Thamer Ahmad Mohammad** (2017). " Predction Scour at River Bridge Abutments over Time" Journal of Water Management, ICE, 170(1), 15-30.
38. Izni Zahidi, Badronnisa Yusuf, Alireza Hamedianfar, Helmi Zulhaidi Mohd Shafri, **Thamer Ahmad Mohammad** (2015). "Object-based Classification of QuickBird Image and Low Point Density LIDAR for Tropical Trees and Shrubs Mapping" European Journal of Remote Sensing, 48(1), 423-446.
39. Saad Shuket S., **Thamer Ahmad Mohammad**, Abdul Halim Ghazali (2016). "Generalized Regression Neural Network for Prediction of Peak Outflow from Dam Break" Journal of Water Resources Management, DOI 10.1007/s 11269-016-1547-8.
40. Aida Tayebian, **Thamer Ahmad Mohammad**, Abdulhalim Ghazali, M.A. Malek (2016). " Optimization of Exclusive Release Policies by Using Genetic Algorithm" Water Resources Management, 30, 1203-1216.
41. Aida Tayebian, **Thamer Ahmad Mohammad**, Abdul Halim Ghazali, Syamsiah Manshohor (2016). " Artificial Nural Network for Modeling Rainfall-Runoff" Pertanika Journal of Science and Technology, 24(2), 319-330.
42. Aida Tayebian, **Thamer Ahmad Mohammad** (2016). " Optimization of Cascade Hydropower System Operation by Genetic Algorithm to Maximize Clean Energy Output" Environmental Health Engineering and Management Journal, Vol. 3, 1-8.
43. Alrowashed Abdulsalam, Azni Idris, **Thamer Ahmad Mohammad**, Aminul Ahsan (2017). "An Integrated Technique Using Solar and Evaporation Ponds for Effective Brine Disposal Management" International Journal of Sustainable Energy, DOI:10.1080/14786451.2015.1135923. 36(9).
44. **Thamer Ahmad Mohammad**, Megat Johari Megat Mohd Noor, Abdul Halim Ghazali (2016). "Assessment of Using Synthetic Polymers in Dewatering of Sewage Sludge" Journal of Desalination and Water Treatment. Doi.org/10.1080/19443994.2016.1154708.
45. Megat Johari Megat Mohd Noor, **Thamer Ahmad Mohammad**, Abdul Halim Ghazali (2016). "Assessment of Using Hollow Fibre Microfiltration in Treating Lake Water" Journal of Desalination and Water Treatment. Doi.org/10.1080/19443994.2016.1154708.

46. Hydar L. Ali, **Thamer Ahamad Mohammad**, Badronnisa Yusuf, Azlan A. Aziz (2016). "Testing the Accurcy of Sediment Transport Equations Using Field Data" Malaysian Journal of Civil Engineering, 28(1), 1-15.
47. Nordila A., **Thamer Ahmad mohammad**, Melville B.W., Faisal A. , Badrunnisa Y. (2017). "Modeling the Effect of Sediment Coarseness on Local Scour at Wide Bridge Piers" Pertanika Journal of Science and Technology, 25(1), 575-586.
48. Hajar Nasiri, Mohd Johari Mohd Yusof, **Thamer Ahmad Mohammad Ali** (2016). "An overview to flood vulnerability assessment methods" Sustain. Water Resour. Manag., 2(2016), 331–336.

Supervision/Co-supervision for Ph.D. Students

- Total number of Ph.D. students is 42
- Main supervisor for 14 students (14 Completed and Graduated)
- Co-supervisor for 28 students (25 Completed and Graduated and 3 is ongoing)

No.	Year of Start	Student and Projects Titles	Level
1	1998	Abdul Hakim Masaud Mussa Effect of Water Table Management on Movement of Agrochemicals Pollutants Under Ground Environment (Co-Supervisor)	Ph.D
2	2001	Huang Yuk Feng A Knowledge –Based Reservoir Inflow Forecasting (Co-Supervisor)	Ph.D
3	2001	Mohamed Mujithaba Mohamed Najim Paddy Estate Integrated Water Management (Co-Supervisor)	Ph.D
4	2001	Md. Aminul Haque In Time Management for Rice Irrigation Projects (Co-Supervisor)	Ph.D
5	2003	Ahmed Hussien Birima Treatment of High Strength Wastewater Using Micro Filtration (Supervisor)	Ph.D
6	2003	Abdullah Ali Nasir Design of Inflatable Storage System (Co-Supervisor)	Ph.D
7	2004	Akif Mohammed Salem Al-Fugara GIS Based Hydrological and Hydraulic Modeling for Flood Plain Delineation (Supervisor)	Ph.D
8	2004	Abul Baqi Ali Mohammed Water Resources Management Options for Wadi Maawal Catchment, Northen Oman (Co-Supervisor)	Ph.D

No.	Year of Start	Student and Projects Titles	Level
9	2004	Huda A. M. Thanoon Non-linear Analysis for Roller Compacted Concrete (RCC) Dams (Co-Supervisor)	Ph.D
10	2005	Yousef A. Almolhem Subsurface Drip Irrigation System for Saline Drainage Water Reuse Under Shallow Groundwater (Co-supervisor)	Ph.D
11	2005	Wai Kien Tat Sludge Thickening and Dewatering Using Natural Coagulant, Moringa Oleifera (Co-supervisor)	Ph.D
12	2006	Saiful Iskander Bin Khalit Modeling of Soil Erosion Risk in Water Catchment Areas (Co-supervisor)	Ph.D
13	2006	Manal A. Abood Modeling River Sediment Deposition Into the Kenyir Reservoir, Malaysia (Supervisor)	Ph.D
14	2007	Seyed Ata Amini Modeling the Scouring at the Site of Complex pier (Supervisor)	Ph.D
15	2008	Mostafa Ali Benzagta Reducing Evaporation from Reservoirs Using Palm Fronds (Supervisor)	Ph.D
16	2008	Abdul Ghafoor Maximizing the Leaching Efficiency of Saline Soils Through Soil and Water Management Techniques (Co-supervisor)	Ph.D
17	2008	Mohammed Saleh Saad Nusari Simulation of Seawater Intrusion by Using Physical and Numerical Modeling Techniques (Co-supervisor)	Ph.D

No.	Year of Start	Student and Projects Titles	Level
18	2008	Aeid A. Abdulrazeg Nonlinear Analysis of RCC Dam Under Construction and Operation Phases (Co-supervisor)	Ph.D
19	2009	Pezhman Taherei Ghazvinie Local Scour at Bridges in Malaysia (Supervisor)	Ph.D.
20	2010	Amir Montakhab Sediment Trapping Capacity of Selected Tropical Aquatic vegetation (Co-supervisor)	Ph.D.
21	2010	Salah Muamer Aburawe GIS Based System for Real Time Leakage Detection and Location in Water Distribution Networks (Co-supervisor)	Ph.D.
22	2010	Nadia Ahmed Elawed Modeling Groundwater Exploitation in Selected Catchment in Libya (Supervisor)	Ph.D.
23	2011	Nordila Ahmad Physical modeling of Local Scour at Wide Piers and Long Skewed Piers (Supervisor)	Ph.D.
24	2011	Aida Tayebian Optimum Operation of Multi Reservoir System (Supervisor)	Ph.D.
25	2011	Adeoye Peter Aderemi Predictive Equations for Evaluating Effect of Poultry Waste on Shallow Groundwater (Co-supervisor)	Ph.D.
26	2012	Amir Saeed Farhangi Modeling the Local scour at Bridges During the Flood (Supervisor)	Ph.D.

No.	Year of Start	Student and Projects Titles	Level
27	2012	Oloruntade Aiayi Johnson Modeling the Impacts of Climate Change on Hydrology and Water Resources in Niger River Basin, Nigeria (Supervisor)	Ph.D.
28	2012	Alrewashed Abdulsalam Abdullah Potassium Recovery from Desalination Reject Brine Using Solar Pond (Co-supervisor)	Ph.D.
29	2012	Salahu Hamza Mohammed Groundwater Pollution and Health Risk Analaysia in the Vicinity of Industrial Water Ways and Soild Wastes Disposal Sites in Kano Metropolis, Kano, Nigeria (Co-supervisor)	Ph.D.
30	2012	Navid Nasrolah Design of Septic Tank for Indigenous Housing Settlement on Natural Water Bodies (Co-supervisor)	Ph.D.
31	2013	Adesiji Adeolu Richard Impact of land-use topology alteration on dissolved organic carbon release in tropical rivers (Supervisor)	Ph.D.
32	2013	Izni Zahidi Modeling the roughness due to vegetation density using GIS (Co-supervisor)	Ph.D.
33	2013	Hajar Nasri Urban Flood Management in High Risk Zone of Cities (Co-supervisor)	Ph.D.
34	2014	Saad Shauket Sammen Modeling of Dam Break with GIS (Supervisor)	Ph.D.

No.	Year of Start	Student and Projects Titles	Level
35	2014	Mina Ahmad Al Sawaf Impact of Configuration and Location of Spur Dikes on Hydraulic and Sediment transport in Branching Rivers (Co-supervisor)	Ph.D.
36	2014	Nashwan Kamal Aldenn Mohammed Characteristics of Flow and Sediment Transport in Branching Chaneel with Mobile Bed (Co-supervisor)	Ph.D.
37	2014	Ahmad Mohammed Sami Al-Janabi Modeling of Flow with Infiltration in Porous Open Channels for Flood Routing (Co-supervisor)	Ph.D.
38	2014	Zaty Aktar Mokhtar Modeling the Tsunami Wave on Sea Walls (Supervisor)	Ph.D.
39	2014	Rabia Daw Ali Constructed Wetland for Water Qaulity Imrovements (Co-supervisor)	Ph.D.
40	2019	Ruaa Khalid Hamdan Simulation of Local Scour Upstream of Slit Weir by Physical and Mathematical Models (Co-supervisor)	Ph.D.
41	2021	Yassir Layth Mohammed Fadhil Development of a Design Criteria for a Novel Self-RegulatedBubbles Irrigation System (Co-supervisor)	Ph.D.
42	2022	Al-Sammak Abdulla Suraj Anwer Prediction Wetting Front Distribution of Bubble Flow Irrigation Systems using Machine Learning Methods (Co-supervisor)	Ph.D.

Examination of Postgraduate Students (Examiner and Chairman): Selected

No.	Student's Name	Thesis Title	Degree and University	Duty	Year
1.	Huraa Mazin Abullah	Drought Management in Middle Region of Iraq Using Artificial Intelligence	M.Sc. University of Baghdad	Examiner	2023
2.	Hanadi Hamid	Quantitative and Qualitative Evaluation of Groundwater Utilization at Najaf Governorate	M.Sc. University of Baghdad	Examiner	2022
3.	Ismeet Singh Saluja	Flow Characteristic of Meandering Channels	Ph.D., Aligarh Muslim University, Aligarh, India	Examiner	2021
4.	Noraini Binti Mat Budari	Ultrasonic Induction for Bacterial Disinfection: Performances and Mechanism	Ph.D., Universiti Teknologi MARA, Shah Alam, Selangor, Malaysia	Examiner	2021
5.	Mariam Hadi D.	Simulation of Sediment Transport in the Upper Region of Gharraf River	M.Sc., University of Baghdad, Iraq	Examiner	2020
6.	Wissam Sami M.	Impact of Rationing on the Properties of Cement Treated Gypsum Canal	M.Sc., University of Baghdad, Iraq	Examiner	2020
7.	Hassan Hadi Mahdi	3D Modeling of Groundwater Flow of the Aquifers System in Iraq	Ph.D., University of Technology, Iraq	Examiner	2019
8.	Sushil Kumar Das	Management of Agricultural Non-point Source Pollution-A Case Study on Yarra River	Ph.D., Victoria University, Australia	External Examiner	2016
9.	Nor Azlina Alias	Development and Application of ID Numerical Hydrodynamic Intergrated Shallow Flow Model for Urban Area	Ph.D., Universiti Tenaga Nasional, Malaysia	External Examiner	2016

No.	Student's Name	Thesis Title	Degree and University	Duty	Year
10.	Yousif Hashim Abdullah Al-Aqeeli	Optimal Operation of Reservoir System on Tigris River Basin, Iraq for Hydropower Generation	Ph.D., Universiti Putra Malaysia	Internal Examiner	2016
11.	Mohd Yazid Abdullah (GS19512)	Development of Modern Tertiary Canal with on Farm Rice Irrigation Structures for an Improved Water Delivery Management Model	Ph.D., Universiti Putra Malaysia	Internal Examiner	2016
12.	Katayoun Karimi (GS32872)	Predictions of Sediment Discharge in Semenyih River Based on Historical Rainfall Water Discharge Relationships	M.Sc., Universiti Putra Malaysia	Chairman of the Exam. Committee	2015
13.	Ainul Bahiah Mohd Khidzir (SC21775)	Effect of Climate Change to Paddy Cultivation Using Artificial Immune System	M.Sc., Universiti Tenaga Nasional, Malaysia	External Examiner	2015
14.	Vo Nguyen Phu Huan (G02213)	Numerical Simulation of Submarine Slide Generated Tsunami Using Smoothed Particle Hydrodynamics Method	Ph.D., Universiti Teknologi Petronas, Malaysia	External Examiner	2015
15.	Irfan Ahmad Shaikh (GS34607)	Real Time Optimization Based Canal Operation During Reduced Flows	Ph.D., Universiti Putra Malaysia	Chairman	2015
16.	Mahdi Amirabadizadeh (GS31482)	Modeling the Climate Change and its Impacts on Hydrological Regime of the Lanagt River Basin	Ph.D., Universiti Putra Malaysia	Examiner	2015
17.	Mohd Azlan Mohd Yusof	Local Scour Below Submerged Skew Pipe Across Channel	Ph.D., Universiti Sains Malaysia	Examiner	2014

No.	Student's Name	Thesis Title	Degree and University	Duty	Year
18.	Nur Asmaliza Mohd Noor (PE20344)	Performance Evaluation of Constructed Wetland as Stormwater Improvement Under Tropical Climate	Ph.D., Universiti Tenaga Nasional, Malaysia	Examiner	2014
19.	Shazelia Ashikin Sulaiman (GS33612)	Development of the Artificial Aquifer Model to Improve Technical Learning in Groundwater	M.Sc., Universiti Putra Malaysia	Examiner	2014
20.	Hanim Farhana Abd Rahman (GS26259)	Assessment of Groundwater Pollution Potential Using DRASTIC Model and GIS Based on Selangor Hydro-Geological Environment	M.Sc., Universiti Putra Malaysia	Examiner	2014
21.	Babak Kamali	Application of Detached Breakwaters in Coastal Rehabilitation Projects on the West Coast of Peninsular Malaysia	Ph.D., Universiti Malaya	Examiner	2011
22.	Nurul Sa'adah Bahar (SC20329)	Hydrological Study of Stream Water and Groundwater (SW-GW) Interactions at Upper Gombak River, of Upper Klang River Basin, Selangor	M.Sc., Universiti Tenaga Nasional	External Examiner	2009
23.	K. S. S. S. N. Reddy	Studies of Groundwater Between Nagavali and Vamsadhara Rivers in Srikulam District (Andhra Pradesh, India	Ph.D., Andhra University, India	External Examiner	2004

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