


Curriculum Vitae

Personal information																											
	Name : Rabah Mahmoud Ahmad Ismail																										
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	Nationality: Jordanian																										
	Place of birth : Irbid-Jordan		Age : 43																								
	Marital Status : Married with 6 children																										
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Address	Address: Dr. Hashem Mohammad Ali Al-Mattarneh Qumeem-Irbid JORDAN																										
Area of Specialization																											
	Environmental Engineering Water and Air Quality, Pollution Soil Contamination Solid Waste Management Development of Expert Systems for Environmental Science Application.																										
Languages																											
	<table border="1"><thead><tr><th rowspan="2">No.</th><th rowspan="2">Language</th><th colspan="3"></th></tr><tr><th>Excellent</th><th>Very good</th><th>Good</th></tr></thead><tbody><tr><td>1</td><td>Arabic</td><td>X</td><td></td><td></td></tr><tr><td>2</td><td>English</td><td>X</td><td></td><td></td></tr><tr><td>3 Others</td><td>Malaysian</td><td></td><td>X</td><td></td></tr></tbody></table>				No.	Language				Excellent	Very good	Good	1	Arabic	X			2	English	X			3 Others	Malaysian		X	
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2	English	X																									
3 Others	Malaysian		X																								

Educational Qualification/Certificate	
B. Sc	Degree: Environmental Science Institution: Jordan University of Science and Technology Country: Jordan Date: 2004 Grade: Good
M. Sc	Degree: Master of Science, Civil Engineering, Structures and Material Institution: Universiti Kebangsaan Malaysia (UKM) Country: Malaysia Date: 2007 Title: "Electromagnetic Characterization of Soil For Identification of Petroleum Hydrocarbon Contamination"
Ph. D	Degree: Doctor of Philosophy, Civil Engineering, Structures and Material Institution: Universiti Teknologi PETRONAS (UTP) Country: Malaysia Date: January 2019 Title: "Development of Electromagnetic Sensor for Dielectric Properties Determination at Various Levels of Soil Contamination"

Award				
No.	Award	Organization	Country	Year
1.	Silver Medal	I-TEX	Malaysia	2006
2.	Gold Medal	ICCBT2008	Malaysia	2008
3.	Bronze Medal	I-TEX	Malaysia	2008
4.	Gold Medal	Eureka	Spain	May, 2016
5.	Gold Medal	Eureka	Belgium	November, 2016

Working Experience
1. Teaching and Research Assistant at Universiti Tenaga Nasional 2006-2007. 2. Tutor/Research Assistant at Universiti Kebangsaan Malaysia (National University Malaysia) 2007-2008. 3- Working in Najran University, Saudi Arabia 2012 - 2013 as quality assurance assistant. 4- Working in Al-Zaytoonah University of Jordan 2019 - 2020 as assistant professor. 5- Head of Civil Engineering Department in Jadara University 2021 - 2022.

Deputy Dean of Faculty of Engineering and Head of Engineering Projects Management Master Program, Civil Engineering Department in Jadara University 2022 - now.

Publication (Research and technical papers in Journal and conference Proceedings)

Scopus link:

<https://www.scopus.com/authid/detail.uri?authorId=56239137000>

Google Scholar link:

https://scholar.google.com/citations?hl=en&user=95rtWeMAAAAJ&view_op=list_works&sortby=pubdate

Research Gate link:

<https://www.researchgate.net/profile/Rabah-Ismail>

Linkedin link:

<https://www.linkedin.com/in/rabah-ismail-b7a427119/>

Orcid link:

<https://orcid.org/my-orcid?orcid=0000-0002-5259-4192>

Sciprofiles link:

<https://sciprofiles.com/profile/RabahMahmoudAhmadIsmail>

No.	Author(s) and Title	Publication Date
1-	Rabah Ismail , 2024. "Improving wastewater treatment plant performance: An ann-based predictive model for managing average daily overflow and resource allocation optimization using Tabu Search". Asian Journal of Civil Engineering. 25 (2), 1427-1441. https://link.springer.com/article/10.1007/s42107-023-00853-5	2024
2-	Telfah, D. B., Jaradat, A. Q., Ismail, R. 2024. "Examining the Long-Run and Short-Run Relationship between Water Demand and Socio-Economic Explanatory Variables: Evidence from Amman". Sustainability (Switzerland), 16 (6), 2315	2024
3-	Rabah Ismail , Jamal Alsadi, Randa Hatamleh, Doua Telfah, Aiman Jaradat, Marwa AlJamal, Issam Trrad, Hashem Al-Mattarneh, 2024. "Employing CNN and black widow optimization for sustainable wastewater management in an environmental engineering context". Asian J Civ Eng (2024). https://doi.org/10.1007/s42107-024-01024-w	2024
4-	Rabah Ismail , Hashem Al-Mattarneh, Ahmad Malkawi, Musab Abuaddous, Marwa AlJamal, Issam Trrad, 2024. "Prediction moisture content and strength of wood using free-space microwave transmission line NDT". 21th International Multi-Conference on Systems, Signals and Devices. IEEE conference. <i>Accepted.</i>	2024
5-	Rabah Ismail , Marwa Aljamal, Hashem Al-Mattarneh, Abhijeet Das, Rahul Kantilal Pawar, 2023. "Sustainable Infrastructure Development: Integrating Environmental and Social Factors in Civil Engineering" Journal of advanced Zoology. Vol. 44 No. S2 (2023), 4730-4737. https://jazindia.com/index.php/jaz/article/view/2205	2023

6-	Rabah Mahmoud Ahmad Ismail , R Rathinam, Marwa Al-Jamal, Sathish Kumar Ramachandran, Hashem Al-Mattarneh, Bhasker Pant, Pandurang Y Patil.,2022. “Mn-BIM Based Photo-Catalytic Degradation of Hazardous Industrial Organic Pollutants in Fresh Water” Advances in Science and Technology, Trans Tech Publications Ltd. 117, 53-58.	2022
7-	Rabah Mahmoud Ahmad Ismail , Edith Ajiroghene Enemose, Marwa Al-Jamal, Sathish Kumar Ramachandran, Hashem Al-Mattarneh, Durgaprasad Gangodkar. 2022. “Co-MoF Derived Colorimetric Sensors for Detection of Environmental Toxic Heavy Metal Analysis” Advances in Science and Technology, Trans Tech Publications Ltd. 117, 43-49.	2022
8-	Jamal Alsadi, Rabah Mahmoud Ahmad Ismail , Issam Trrad, Prabhdeep Singh, Erich Potrich, Juan Carlos Cotrina-Aliaga. 2022, “Effect of Processing Optimization on the Dispersion of Polycarbonate Red Dye on Compounded Plastics” Materials Science Forum. Trans Tech Publications Ltd. 1068, 129-138.	2022
9-	R Raffik, Harish Sharma, Daha Shehu Aliyu, Francis Kwesi Bondinuba, B Kannadasan, Rabah Mahmoud Ahmad Ismail . 2022. “Utilization of E-Waste as a Concrete Mixture for Infrastructural Buildings” Materials Science Forum, Trans Tech Publications Ltd. 1068, 47-53	2022
10-	Rabah Mahmoud Ahmad Ismail , Edith Ajiroghene Enemose, Marwa Al-Jamal, Issam Trrad, Hashem Al-Mattarneh, Vikas Tripathi, Pandurang Y Patil. 2022 “Study on Cu Based Organic Linkers for Effective Emission Control over Diesel Engine Effluents” Key Engineering Materials. Trans Tech Publications Ltd. 928, 61-67	2022
11-	M. A. Dahim, M. Abuaddous, H. Al-Mattarneh ² , A E Alluqmani and R Ismail . 2022. “The use of olive waste for development sustainable rigid pavement concrete material” IOP Conference Series: Materials Science and Engineering, Volume 1212, International Conference on Science in Engineering and Technology (ICoSiET 2020) 21st-22nd October, 2020, Palu, Indonesia	2022
12-	Surendra Kumar Shukla, Jamal Alsadi, Rabah Mahmoud Ahmad Ismail , Hashem Al-Mattarneh, Mohanad Khudier, Erich Potrich, Elabiyi Michael Omoniyi, 2022. “Facile Synthesis of Proficient Visible Light Active Photo-Catalyst for Degradation of Organic Industrial Waste Water” Advances in Science and Technology, Trans Tech Publications Ltd.117, 59-64.	2022
13-	Alsadi, J.; Ismail, R. ; Trrad, I. “An Integrative Simulation for Mixing Different Polycarbonate Grades with the Same Color: Experimental Analysis and Evaluations”. Crystals 2022, 12 (3), 423. https://doi.org/10.3390/cryst12030423 .	2022
14-	Dahim, M.; Farhan, S.A.; Shafiq, N.; Al-Mattarneh, H.; Ismail, R. Thermal-Energy Performance of Bulk Insulation Coupled with High-Albedo Roof Tiles in Urban Pitched Residential Roof Assemblies in the Hot, Humid Climate. Sustainability 2022, 14, 2867. https://doi.org/10.3390/su14052867	2022
15-	Jamal Alsadi, Mohammed Taleb Obaidat, Rabah Ismail , Issam Trrad, Marwa Aljamal, Mohammed Dahim, Musab Abuaddous, Mohanad Khodier, Randa Hatamleh, Hashem Al-Mattarneh., 2022. “Box–	2022

	Behnken Design for Polycarbonate-Pigment Blending: Applications and Characterization Techniques” Polymers, MDPI, 14, 22, 4860.	
16-	AQ Jaradat, DB Telfah, R Ismail . 2021. “Heavy metals removal from landfill leachate by coagulation/flocculation process combined with continuous adsorption using eggshell waste materials” Water Science and Technology 84 (12), 3817-3832.	2021
17-	M Dahim, M Abuaddous, H Al-Mattarneh, A Rawashdeh, R Ismail . 2021.” Enhancement of road pavement material using conventional and nano-crude oil fly ash”. Applied Nanoscience 11 (10), 2517-2524.	2021
18-	M Abuaddous, M Dahim, R Ismail , M Taamneh, AH Alomari, W Darwish, H Al-Mattarneh. 2021. “Sustainable asphalt concrete for road construction and building material” IOP Conference Series: Earth and Environmental Science, Volume 801, 2021 11th International Conference on Future Environment and Energy 28-30 January 2021, Tokyo, Japan.	2021
19-	R Ismail , M Dahim, A Jaradat, R Hatamleh, D Telfah, M Abuaddous, H Al-Mattarneh. 2021. “Field Dielectric Sensor for Soil Pollution Application” IOP Conference Series: Earth and Environmental Science, Volume 801, 2021 11th International Conference on Future Environment and Energy 28-30 January 2021, Tokyo, Japan.	2021
20-	M Dahim, M Abuaddous, R Ismail , H Al-Mattarneh, A Jaradat. 2020. “Using a Dielectric Capacitance Cell to Determine the Dielectric Properties of Pure Sand Artificially Contaminated with Pb, Cd, Fe, and Zn”. Applied and Environmental Soil Science.	2020
21-	Mohammed Dahim, Rabah Ismail , Hashem Al-Mattarneh, Randa Hatamleh. “Determination Of Leachate Pollution Content In Soil Using In-Situ Dielectric Measurement” Advanced Materials Letters. 10(4), 2019, 298-301	2019
22-	Hashem Al-Mattarneh, Mohammed Dahim, Rabah Ismail , “Simple capacitor dielectric sensors for determination of water content in transformer oil” International Journal of Engineering and Technology, 7 (3.32) (2018) 157-160.	2018
23-	Rabah Ismail , Hashem Al-Mattarneh, Mohammed Dahim” Development In-situ Dielectric Sensor for Detection of Leachate Soil Pollution”. European Advanced Materials Congress, 20-23 August, 2018, Stockholm, Sweden.At: Stockholm, Sweden.	2018
24-	Rabah M Ismail , Hashem M Al-Mattarneh , Muhd Fadhil Nuruddin , Nasir Shafiq and Mohamad A Dahim, 2017. "Dielectric Dispersion Characteristics of Unsaturated Sand Contaminated by Diesel". Journal of Material Sciences & Engineering. Volume 6. Issue 3.	2017
25-	H. Al-Mattarneh, R. M. Ismail , M. F. Nuruddin , N. Shafiq & M. A. Dahim, 2016. "Characterization of Pb and Cd contaminated sandy soil by dielectric means" Proceedings of the 3rd International Conference on Civil, Offshore and Environmental Engineering (ICCOEE 2016, Malaysia, 15-17 Aug 2016).	2016
26-	Hashem Al-Mattarneh, Mohammed Dahim, Rabah Ismail , Muhd Fadhil Nurudinn. “Determination of Soil Polluted with Kerosene Using Electromagnetic Cell” Applied Mechanics and Materials Vol 567 (2014) pp 183-188. Trans Tech Publications, Switzerland.	2014
27-	the 29th Annual International Conference on Soils, Sediments, Water and Energy University of Massachusetts Amherst October 21–24, 2013; ISBN: 978-0-9888932-1-4	2013

28-	M. F. M Zain, M. R Taha, H. Mattarneh, R M A Ismail , M. Jamil, Effect of heavy metal on complex permittivity characteristics of saturated sand, Proceedings of The 9th Highway and Urban Environment Symposium (9HUES) was held in Madrid, Spain, from 9-11 June 2008, Series: Alliance for Global Sustainability Bookseries, Vol. 17, Rauch, S.; Morrison, G.M.; Monzón, Andrés (Eds.), 2010, XIII, 416 p.	2008
29-	Rabah Ismail , Hashem Al-Mattarneh, Lariyah Mohd Sidek, M. F. M. Zain & Mohd Raihan Taha. 2008. Dielectric Properties of Soil contaminated by Solid Waste Leachate in the Frequency Range of 100 kHz to 1000kHz. International Conference on Construction and Building Technology ICCBT 2008, 16-20 June 2008, Kuala Lumpur, Malaysia	2008
30-	M. F. M. Zain, Hashem Al-Mattarneh, Lariyah Mohd Sidek, Rabah Ismail , Mohd Raihan Taha & M. Essa Ahmad. 2008. Determination of Petroleum Contamination Level of Sandy Soil using Electromagnetic Measurement Techniques. International Conference on Construction and Building Technology ICCBT 2008, 16-20 June 2008, Kuala Lumpur, Malaysia	2008
31-	H. M. A. Al-Mattarneh, L. M. Sidek, R. M. A. Ismail , M. F. M. Zain & M. R. Taha. 2008. Dielectric Dispersion Characteristics of Sandy Soil Contaminated by Pb and Cd. International Conference on Construction and Building Technology ICCBT 2008, 16-20 June 2008, Kuala Lumpur, Malaysia	2008
32-	Hashem Al-Mattarneh, Lariyah M. Sidek, Kamal N. Mustapha, Rabah M. A. Ismail , M. F. M. Zain & M. Raihan Taha. 2007. Effect of Heavy Metal on Complex Permittivity Characteristics of Saturated Sand. World Engineering Congress 2007, Penang, Malaysia, 5 – 9 August 2007	2007
33-	Al-Mattarneh, H. M. A. , Ismail, R. M. A. , Zain, M. F. M. , Taha, M. R, & Basri. 2007. CHARACTERIZATION OF DIESEL CONTAMINATED SOIL BY DIELECTRIC MEANS. World Engineering Congress 2007, Penang, Malaysia, 5 – 9 August 2007	2007
34-	H. M. A. Al-Mattarneh, M. Essa Ahmad, R. M. A. Ismail , M. F. M. Zain, M. R. Taha, Effective Dielectric Mixture Model for Characterization of Diesel Contaminated Soil, Proceedings of the Third International Conference on Thermal Engineering: Theory and Applications May 21-23, 2007, Amman, Jordan	2007
35-	M. Essa Ahmad, Al-Mattarneh, H. M. A., Ismail, R. M. A. , Zain, M. F. M., Taha, M. R, EVALUATION OF SATURATED AND UNSATURATED CONTAMINATED SOIL BY BENZENE, SCORED 2007, Kajang, 14-15 May	2007
36-	Hashem Al-Mattarneh, Lariyah Mohd Sidek, Rabah. M. Ismail & Mohd Fauzi (2007), Development on Non Destructive Dielectric Sensing System for Determination Type and Level of Soil, 3rd Conf for the Int of Chemistry Environment, Kuwait	2007
37-	Hashem Al-Mattarneh, Rabah. M. Ismail , Mohd Fauzi & Lariyah Mohd Sidek (2007), Effect of Leachate From Solid Waste on the Dielectric Dispersion of Sandy Soil, The Seventh Saudi Engineering Conference Towards Engineering Environment to Merge in a Competitive Economy	2007
38-	Ismail, R. M. A. , Al-Mattarneh, H. M. A., Zain, M. F. M., Taha, M.	2006

	R. and Basri, H., Dielectric Dispersion Characteristics of Unsaturated Sand Contaminated by Diesel, International Conference on Remediation and Management of Contaminated Land, Brownfield Asia 2006, September 5-7, 2006 Kuala Lumpur, Malaysia	
39-	Al-Mattarneh, H. M. A., Ismail, R. M. A. , Zain, M. F. M., Taha, M. R. and Basri, H., Characterization of Diesel Contaminated Soil by Dielectric Means, International Conference on Energy and Environment, August 28-30, 2006, ICEE2006, Kajang, Malaysia	2006