

# Assistant Professor Dr. AHMED MANCY MOSA



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<https://scholar.google.com/citations?hl=en&user=MY3B7LUAAAAJ>

**h-index = 18 / i10-index=25**



<https://orcid.org/my-orcid>



[https://www.researchgate.net/profile/Ahmed\\_Mosa9](https://www.researchgate.net/profile/Ahmed_Mosa9)

**h-index =14**



<https://www.mendeley.com/profiles/ahmed-mosa3/>

**h-index = 9 (Scopus)**



<https://publons.com/researcher/V-5001-2019/>

**h-index = 5**

**345 Reviews**

**172 Editor Records**



<https://www.scopus.com/authid/detail.uri?authorId=37102254800>

**h-index = 9**

**Doctor of Philosophy in Civil Engineering – Highways and Transportation Engineering**  
**Head of Civil Engineering Department – Al-Mansour University College**

## EXPERIENCES

	<b>Employment History (most current first)</b>				
<b>Company/Employer</b>	<b>location</b>	<b>Position Title</b>	<b>Period</b>		<b>Working Hours</b>
			<b>From</b>	<b>To</b>	
Al- Mansour University College	Baghdad	Assistant Professor	October 2014	Till now	Full Time
University Kebangsaan Malaysia (UKM)	Malaysia	Post-Doctoral Researcher	Oct. 2013	Aug. 2014	Full Time
General Company for Automobile & Machinery trade	Baghdad	Project Manager	May.2002	September 2010	Part Time
Versar International Assistance Projects (VIAP)	Baghdad	Quality Assurance engineer	Sep.2006	Mar.2009	Full Time
ALAMCO Company for Contracts	Baghdad	Site engineer	Jul.2006	Sep.2006	Full Time
PARSONS Company	Baghdad	Safety Engineer	Jun.2005	Jun.2006	Full Time
College of Engineering/ Mustaniriyah University	Baghdad	Lecturer	Oct.1999	Apr.2002	Full Time
Transportation & roads researches unit College of Engineering/ Mustaniriyah University	Baghdad	Unit Manager	Jan.2001	May.2001	Part Time

Engineering Consultancy Bureau in College of Engineering/ Mustaniriyah University	Baghdad	Consular Engineer	Oct.2000	Oct.2001	Part Time
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## EDUCATION

Academic Degrees			
University	Department	Degree	Year/City
University Kebangsaan Malaysia (UKM)	Civil Engineering / Highways and Transportation Engineering	PhD	2013/ Malaysia
Al-Mustaniriyah University	Civil Engineering / Highways and Transportation Engineering	Master	2000/ Baghdad
Al-Mustaniriyah University	Civil Engineering	Bachelor	1998/ Baghdad

## TRAINING

Training Courses		
Institution	Major with brief details	Year/City
CISCO Networking Academy	Get Connected	2020/Baghdad/Iraq
University Of Technology	Rubric Scoring	2020/Baghdad/Iraq
Al Mansour University College	Utilize of Google Classroom	2019/Baghdad/Iraq
Ministry of Planning	ISO 11027	2017/Baghdad/Iraq
University of Kebangsaan Malaysia	English Language Proficiency Module	2011/Bangi/Malaysia
American Concrete institute (ACI)	Concrete flatwork techniques and finishing	2007/Baghdad/Iraq
OSHA	360 training 10-Hours Construction safety course	2007/OSHA Website
Versar International Assistance Projects (VIAP)	Power Generators operation and Maintenance	2007/Baghdad/Iraq
American Concrete institute (ACI)	Concrete field testing techniques	2006/Baghdad/Iraq
PARSONS Company	Safety Requirement in Construction Projects	2005/Baghdad/Iraq
PARSONS Company	Quality Control in Construction Projects	2005/Baghdad/Iraq
University of Technology	Protection of reinforcement steel from rust using advanced ways	2004/Baghdad/Iraq
Ministry of Trade/ Central Office	STAAD pro (Professional Computer Program for Evaluation, Analysis, Design All Structures)	2003/Baghdad/Iraq
University of Technology	Improvement of concrete properties using additives	2002/Baghdad/Iraq
Al-Mustaniriyah University	Teaching Ways	2002/Baghdad/Iraq
Al-Mustaniriyah University	Computer Technology Hardware, and Software	2001/Baghdad/Iraq
Al-Mustaniriyah University	Traffic safety	2000/Baghdad/Iraq

Membership		License	
Union Name	License Date	License Type	License Number
Engineering Union	88002/28 Feb. 1999	Licensed Engineer	88002/Feb.28.1999
Academics Union	21 Nov. 2018	Teaching Staff Member	001009
The International Academy of Science and Engineering for Development (IASED) [HONGKONG]	22 April 2020	Member	51050351
Hong Kong Chemical, Biological& Environmental Engineering Society (HKCBEEES)	27 Nov. 2020	Senior member	101799

Languages					
Language	Level	Language	Level	Language	Level
Arabic	Excellent	English	Very Good	Bahasa Malaya	Fair

Computer Software			
Program Name	Level	Program Name	Level
Visual Basic	Very Good	3D Home	Very Good
Microsoft Office	Very Good	Plaxis 3D	Good
AutoCAD	Very Good	STAAD pro	Very Good

## BEST RESEARCHER EVALUTION

Best Researcher Under Publons Database (Driven by Clarivate – Web of Science – ISI) Considering Editor record			
Researcher Order	Research Field	Total Number of Researchers in the field	Country
1 <sup>st</sup>	All Fields	17914	Iraq
8 <sup>th</sup>	Engineering	34755	Over the World
190 <sup>th</sup>	All Fields	3000000	Over the World

## SCINTIFIC SUPERVISION:

- Supervisor on the PhD research of the candidate Ali Ahmed Mohammed a Lecturer in University of Technology-Baghdad/ PhD student in UTHM-Malaysia
- Supervisor on 17 Graduation Projects in MUC-Baghdad Since 2014
- Reviewer for several Journals and Conferences; I have reviewed more than 345 articles

## Editorial:

1. Academic Editor in Plos One Journal (Handled more than 172 papers)
2. Academic Editor in Materials Engineering Research Journal
3. Editorial Manager of Al-Mansour Journal (**From 20 June 2021 to 01 Feb. 2023**)
4. Editorial Board member in New Trends and Issues Proceedings on Advances in Pure and Applied Sciences
5. Editorial Board member in Journal of Civil Engineering and Construction (JCEC)
6. Editorial Board member in Journal of Engineering and sustainable development

## Scientific Committee membership:

Committee Membership in International Conferences			
Scientific Committee Membership in International Conferences			
	Conference	Place	Date
1	International Conference on SmartRail, Traffic and Transportation Engineering (ICSTTE 2024) on	Xi' an, China	26-28 July 2024
2	International Conference on Transport and Smart Cities(ICoTSC 2024)	Shanghai, China	18-20 October 2024
3	2024 2nd International Conference on Green Building (ICoGB 2024)	Milan, Italy	22-24 May 2024
4	7th International Conference on Artificial Intelligence in Renewable Energetic System ( IC-AIRES 2023 )	Tamanrasset, Algeria	26-28 Nov. 2023
5	2023 International Conference on Civil, Architectural and Environmental Engineering (ICCAEE 2023)	Shanghai, China	22-24 September 2023
6	The 2023 International Joint Conference on Civil and Marine Engineering (JCCME 2023)	Shanghai, China	22-24 September 2023
7	2023 International Conference on Naval Architecture and Ocean & Marine Engineering (NAOME 2023)	Shanghai, China	22-24 September 2023
8	2023 International Conference on SmartRail, Traffic and Transportation Engineering (ICSTTE 2023)	Changsha, China	28-30 July 2023
9	2023 International Conference on Transport and Smart Cities (ICoTSC 2023)	Changsha, China	July 28-30, 2023
10	2023 2nd International Conference on Materials Science and Engineering (CoMSE 2023)	Taizhou, China	21-23 July 2023
11	2023 International Conference on Green Building (ICoGB 2023)	Stockholm, Sweden	19-21 May 2023
12	2023 International Conference on Civil Engineering and Architectural Design (CEAD 2023)	Beijing, China	13-14 May 2023
13	2022 International Conference on Civil, Architecture and Materials (ICCAM2022)	Shenyang, China	06-07 January 2023
14	6th International Conference on Artificial Intelligence in Renewable Energetic System ( IC-AIRES 2022 )	Tamanrasset, Algeria	20-22 Nov. 2022
15	2022 International Conference on Naval Architecture and Ocean & Marine Engineering (NAOME 2022)	Shanghai, China (Hybrid conference)	23-25 Dec. 2022
16	The 2022 International Joint Conference on Civil and	Shanghai, China	23-25 Dec. 2022

	Marine Engineering (JCCME 2022)	(Hybrid Conference)	
17	2022 5th International Conference on Civil, Architectural and Environmental Engineering (ICCAEE 2022)	Shanghai, China (Hybrid Conference)	23-25 Dec. 2022
18	6th International Conference on SmartRail, Traffic and Transportation Engineering (ICSTTE 2022)	Changsha, China	2-4 Sep. 2022
19	2022 International Conference on Transport and Smart Cities (ICoTSC 2022)	Changsha, China	2-4 Sep. 2022
20	6th International Conference on Artificial Intelligence Applications and Technologies (AIAAT 2022)	Qingdao, China	12-14 Aug. 2022
21	The 6th International Conference on Materials Sciences and Nanomaterials (ICMSN 2022)	London, United Kingdom	12-14 July 2022
22	2022 International Conference on Green Building (ICoGB 2022)	Stockholm, Sweden	24-26 June 2022
23	8th International Conference of Advances in Materials Science and Engineering (MAT 2022)	Sydney, Australia	26 March 27 2022
24	2021 International Conference on Materials Science and Engineering (CoMSE 2022)	Shanghai, China	19-21 March 2022
25	International Conference on Automation and Engineering (AUEN 2022)	Virtual Conference	12-13 March 2022
26	2021 4th International Conference on Civil, Architectural and Environmental Engineering (ICCAEE 2021)	Shanghai, China	10-12 Dec. 2021
27	The 2021 International Joint Conference on Civil and Marine Engineering (JCCME 2021)	Shanghai, China	10-12 Dec. 2021
28	2021 International Conference on Naval Architecture and Ocean & Marine Engineering (NAOME 2021)	Shanghai, China	10-12 Dec. 2021
29	World Congress on Applied Nanotechnology (W-CAN)	Erzurum, Turkey	24-25 Nov. 2021
30	5th International Conference on Artificial Intelligence in Renewable Energetic System (IC-AIRES 2021)	Tipasa, ALGERIA	22-24 Nov. 2021
31	5th International Conference on SmartRail, Traffic and Transportation Engineering (ICSTTE 2021)	Frankfurt, Germany	17-19 Sep. 2021
32	2021 International Conference on Transport and Smart Cities (ICoTSC 2021)	Frankfurt, Germany	17-19 Sep. 2021
33	5th International Conference on Artificial Intelligence Applications and Technologies (AIAAT 2021)	Virtual (online)	6 Aug. 2021
34	The 5th International Conference on Materials Sciences and Nanomaterials (ICMSN 2021)	London, United Kingdom	13-15 July 2021
35	2021 International Conference on Green Building (ICoGB 2021)	Oslo, Norway	18-20 June 2021
36	2021 International Conference on Materials Science and Engineering (CoMSE 2021)	Osaka, Japan	19-21 March 2021
37	4th International Conference on Artificial Intelligence in Renewable Energetic System (IC-AIRES 2020)	Oran, Algeria	28 - 30 Nov. 2020
38	3 rd International Conference on Civil, Architectural and Environmental Engineering (ICCAEE 2020)	Christchurch, New Zealand	23-25 Nov. 2020
39	The 2020 International Joint Conference on Civil and Marine Engineering (JCCME 2020)	Christchurch, New Zealand	23-25 Nov. 2020
40	3rd International Conference on Advanced Composite Materials (ICACM 2020)	Hosei University, Tokyo, Japan	26-28 Aug. 2020
41	4th International Conference on Artificial Intelligence	Virtual (online)	8 Aug. 2020

	Applications and Technologies (AIAAT 2020)		
42	The 4th International Conference on Materials Sciences and Nanomaterials (ICMSN 2020)	Cambridge, United Kingdom	8-10 July 2020
<b>Organization Committee Membership in International Conferences</b>			
	2021 International Conference on Mechanical Engineering and Equipment Manufacturing (ICMEEM 2021)	Kunming, China	June 18-20, 2021

## PUBLICATIONS

1. Nama MY, Salem LA, Mosa AM (2023) Simplified Analytical Model and Shaking Table Test Validation for Seismic Analysis of Piled Raft Foundation. International Journal of Science and Business 22: 102-114.
2. Banyhussan QS, Mosa AM, Hussein AN, Sagar EJ (2023) Evaluating the Shear Strength of Subbase-subgrade Interface Using Large Scale Direct Shear Test. International Journal of Innovation in Engineering 3: 35-47.
3. A. M. Mosa, L. A. Salem, and Q. S. Banyhussan, "Chemical influence of magnesium oxide on the engineering properties of clayey soils used as road subgrade," Journal of Engineering Science and Technology, vol. 17, pp. 2615-2630, 2022.
4. A. M. Mosa, L. A. Salem, and Q. S. Banyhussan, "Treatment of cracking in rigid highway pavements using knowledge-based System," International Journal of Innovation in Engineering, vol. 2, pp. 68-77, 2022.
5. A. M. Mosa, M. H. Al-Dahlaki, and L. A. Salem, "Modification of roadbed soil by crushed glass wastes," Periodicals of Engineering and Natural Sciences (PEN), vol. 9, pp. 1038-1045, 2021.
6. A. M. Mosa, L. A. Salem, and Q. S. Banyhussan, "Overcoming Concreting Problems of Rigid Pavements using Knowledge-Based System," Civil Engineering Beyond Limits, vol. 2, pp. 12-17, 2021.
7. Salem, L. A., Taher, A. H., Mosa, A. M., & Banyhussan, Q. S. Chemical influence of nanomagnesium-oxide on properties of soft subgrade soil. Periodicals of Engineering and Natural Sciences, 2020, 8(1), 533-541.
8. Mosa AM, Salem LA, Waryosh WA : New Admixture for Foamed Warm Mix Asphalt: A Comparative Study. Iranian Journal of Science and Technology, Transactions of Civil Engineering, 2020.
9. Mohammed AA, Ambak K, Mosa AM, Syamsunur D. : A review on The Expert System Practices. International Conference on Science, Engineering & Technology ICSET Ottawa, Canada, 2020, : Accepted for publication.
10. Banyhussan QS, Tayh SA, Mosa AM.: Economic and Environmental Assessments for Constructing New Roads: Case Study of Al-Muthanna Highway in Baghdad City. AWAM Lecture Notes in Civil Engineering, Springer, 2020, 53: 525-546.
11. Mohammed AA, Ambak K, Mosa AM, Syamsunur D. : A Review of the Traffic Accidents and Related Practices Worldwide. The Open Transportation Journal, 2019, : 13(1):65-83.
12. MOHAMMED, A. A., AMBAK, K., MOSA, A. M. & SYAMSUNUR, D. EXPERT SYSTEM IN ENGINEERING TRANSPORTATION: A REVIEW. Journal of Engineering Science and Technology, 2019, 14, 229-252.

13. Taher AH, Al-Jaberi LA, Mosa AM., Artificial Neural Network for Mix Proportioning Optimization of Reactive Powder Concrete. *Journal of Theoretical and Applied Information Technology*. 2018,; 96:7684-7700.
14. Salem LA, Taher AH, Mosa AM., Enhancement of Subgrade Properties Using Magnesium Oxide for Pavement Construction. *International Journal of Engineering & Technology*. 2018, : 7:321-324.
15. Mosa A, Jawadb I, Salema L., Modification of the Properties of Warm Mix Asphalt Using Recycled Plastic Bottles. *International Journal of Engineering*. 2018, 31:1514-1520.
16. Mohammed AA, Ambak K, Mosa AM, Syamsunur D.,: Traffic Accidents in Iraq: An Analytical Study, *Journal of Advanced Research in Civil and Environmental Engineering*. 2018, 5:1-13.
17. Mohammed AA, Ambak K, Mosa AM, Syamsunur D.,: Classification of Traffic Accident Prediction Models: A Review Paper, *International Journal of Advances in Science Engineering and Technology*. 2018, 6:35-8.
18. M. K. Hatem, A. M. Mosa, M. H. Al-Dahlaki,: Software for Line of Balance in Projects of Highways, *Journal of Engineering and Sustainable Development*. 2018, 22, 119-130.
19. H. Taher, L. A. Salem, A. M. Mosa: Aerobic and Anaerobic Treatment for Greywater Using Large Scale Model, *International Journal of Civil Engineering and Technology*. 2018, 9, 842-849.
20. M. Mosa: Influence of Nano and Ordinary Particles on Properties of Subgrade: a Comparative Study, *Journal of Engineering Sciences*. 2017, 45, 411-421.
21. M. Mosa: Modification of Hot Mix Asphalt Using Polyethylene Therephthalate (PET) Waste Bottles, *SUST Journal of Engineering and Computer Sciences*. 2017, 18, 62-73.
22. M. Mosa: Modification of Subgrade Properties Using Waste Material, *Applied Research Journal*. 2017, 3, 160-166.
23. M. Mosa: Neural Network for Flexible Pavements Maintenance and Rehabilitation, *Applied Research Journal*. 2017, 3, 114-129.
24. M. Mosa, Q. S. Banyhussan, R. A. Yousif: Improvement of expansive soil properties used in earthworks of highways and railroads using cement kiln dust, *Journal of Advanced Civil Engineering Practice and Research*. 2017, 4, 13-24.
25. M. Mosa, A. H. Taher, L. A. Al-Jaberi: Improvement of poor subgrade soils using cement kiln dust, *Case Studies in Construction Materials*. 2017, 7, 138-143.
26. M. H. Al-Dahlaki, M. K. H. A. M. Mosa: Inter-Particle Pressure as influenced by Physicochemical Parameters on Microscale of Saturated Heavy Clay, *Civil and Environmental Research*. 2016, 8, 86-96.
27. M. Mosa, N. N. Ismail, N. I. M. Yusoff, M. A. Mubarak, N. A. Memon, M. R. Taha, M. R. Hainin: An expert system to remedy concrete imperfections and their effects on rigid pavements, *Jurnal Teknologi*. 2015, 76, 105-119.
28. M. Mosa: Optimization Approach for Rehabilitation of Sever Damages in Concrete Members, in: 15th conference of AL Mansour University College Iraq 2015.
29. M. Mosa, R. A. O. K. Rahmat, A. Ismail, M. R. Taha: Expert System to Control Construction Problems in Flexible Pavements, *Computer-Aided Civil and Infrastructure Engineering*. 2013, 28, 307-323.
30. M. Mosa, M. R. Taha, A. Ismail, R. A. O. K. Rahmat: A diagnostic expert system to overcome construction problems in rigid highway pavement, *Journal of Civil Engineering and Management*. 2013, 19, 846-861.
31. M. Mosa, M. R. Taha, A. Ismail, R. A. O. K. Rahmat: An Educational Knowledge-based System For Civil Engineering Students in Cement Concrete Construction Problems, *Procedia - Social and Behavioral Sciences*. 2013, 102, 311-319.

32. M. Mosa, R. Atiq, M. Raihantaha, A. Ismail: Classification of construction problems in rigid highway pavements, Australian Journal of Basic and Applied Sciences. 2011, 5, 378-395.
33. M. Mosa, R. Atiq, M. Raihantaha, A. Ismail: A knowledge base system to control construction problems in rigid highway pavements, Australian Journal of Basic and Applied Sciences. 2011, 5, 1126-1136.
34. احمد منسي موسى. تأثير الجسيمات النانوية و الاعتيادية على خواص طبقة تأسيس الطريق: دراسة مقارنة. مجلة الهندسة و العلوم-جامعة اسويط, 2017: 45(4)؛ (411-421).
35. احمد منسي موسى . تحسين خواص تربة اساس التبليط باستخدام الجسيمات النانوية. مجلة الباهر, 2017: 6(10)؛ (17-33).

## **AWARDS, THANKS & APPRECIATION, AND PATENTS IF ANY**

- Ten Thanks, and Appreciation from the Ministry of Trade
- Six thanks and appreciation from Al-Mustansirah University
- More than 20 thanks and appreciation from Dean of Al-Mansour University College during the period of my job
- Several letter of thanks from different institutions
- One thanks and appreciation from Ministry of Youth and Sport