

**Curriculum Vitae for Faculty Members**

1-Personal Details					
Position	Professor (full)	Name (English)	Mahmoud Enieb Osman Enieb محمود عنيب عثمان عنيب		
General Field	Civil Engineering				
Specialization field	Highways and Traffic Engineering				
Number of Years of Experience	35 years				
City, Country	Assiut, Egypt	Postal Code	71516		
Tel & WhatsApp	+201002878440				
Fax No.	+20882080553 (Faculty of Engineering)				
E-mail (1)	m.enieb@aun.edu.eg				
Affiliation	Assiut University	Faculty:	Engineering	Department	Civil Engineering
Temporary affiliation	Al-Ahliyya Amman Uni. Jordan From 27/9/2017 till 31/8/2021	Faculty:	Engineering	Department	Civil Eng. / Intelligent Transportation System (ITS)
Nationality	Egypt	Date of Birth		Country of Birth	Qena, Egypt
Languages	Arabic/English/German/French				
Assiut Web	https://www.aun.edu.eg/engineering/mahmoud-enieb-osman-enieb				
Assiut Web	http://www.aun.edu.eg/engineering/ar/user/6762				
Google Scholar	https://scholar.google.com/citations?user=a54ZW7AAAAAJ&hl=en				
Research gate	https://www.researchgate.net/profile/Mahmoud_Enieb/stats				
Web of Science	https://www.webofscience.com/wos/author/record/1044159				
Orchid	https://orcid.org/0000-0001-5509-0849				
Scopus ID	https://www.scopus.com/authid/detail.uri?authorId=56595289300				
h-index	22-i10-index, 15 (Google Scholar), 14 Research Gate), 14 (Scopus)				





Short CV

Mahmoud Enieb Osman Enieb, Ph.D.
Professor of Highways and Traffic Engineering – Civil Engineering Department
Faculty of Engineering, Assiut University – Assiut 71516, Egypt

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E-mail: m.enieb@aun.edu.eg

Nationality: Egyptian

TARGET ROLE

Director of Quality Assurance & Accreditation Center | Program Director – Engineering | Vice Dean for Academic Affairs

PROFESSIONAL SUMMARY

Professor (full) of Highways and Traffic Engineering with 34+ years of experience in higher education, academic leadership, and research across Egypt and Jordan. Proven track record in designing and leading quality assurance systems, achieving institutional and program accreditation, and aligning engineering education with national strategies and international standards.

Recognized as:

- **Quality Assurance Unit Manager** at the Faculty of Engineering, Assiut University (2025–present), leading internal quality systems and continuous improvement.
- **External Reviewer** for the National Authority for Quality Assurance and Accreditation of Education (NAQAAE) for faculties and institutes of higher education in Egypt.
- **Member of the Permanent Committee of Arbitrators** for promotion to Professor and Associate Professor (Highway & Traffic Engineering) – Supreme Council of Universities, Egypt.
- Key contributor in obtaining **ABET accreditation** for the Civil Engineering program at Al-Ahliyya Amman University (Jordan) and in securing institutional accreditation for the Faculty of Engineering at Assiut University.

Strong research profile (h-index 13; 21 i10-index; 20+ WOS/Scopus publications) in sustainable pavements, materials, and transportation systems, combined with extensive supervision of postgraduate theses and participation in national infrastructure projects.



CORE COMPETENCIES

- Academic Leadership & Governance
- Higher Education Quality Assurance (Internal & External)
- Institutional & Program Accreditation (NAQAAE, ABET)
- Strategic & Operational Planning (Egypt Vision 2030)
- Curriculum Design & Learning Outcomes (ILO, PEOs, SOs)
- KPI Development & Performance Measurement
- Teaching & Learning Excellence (UG & PG, e-Learning, MS Teams / LMS)
- Research Leadership & Postgraduate Supervision
- Stakeholder & Government Engagement (Ministries, Governorates)
- Risk, Crisis & Change Management
- Digital Transformation in Higher Education
- Laboratory Management & Research Infrastructure

PROFESSIONAL EXPERIENCE

Quality Assurance Unit Manager

Faculty of Engineering, Assiut University – Assiut, Egypt
07/2025 – Present

- Lead the faculty's internal quality assurance system and ensure alignment with NAQAAE standards and Assiut University's strategic plan 2025–2030.
- Implement the “Planning – Implementation – Review – Improvement (PIRI/PDCA)” methodology across teaching, research, and community service activities.
- Coordinate preparation of self-evaluation reports, improvement plans, and documentation required for institutional and program accreditation.
- Develop and monitor institutional and program KPIs, ensuring data-driven decision-making at faculty and departmental levels.

External Reviewer – Faculties and Institutes of Higher Education

**National Authority for Quality Assurance and Accreditation of Education (NAQAAE) –
Cairo, Egypt**
02/2025 – Present

- Conduct external evaluation visits for faculties and institutes of higher education applying for national accreditation.
- Assess governance, strategic planning, academic programs, teaching and learning, student support, research, and community engagement.
- Prepare comprehensive review reports highlighting strengths, areas for improvement, and follow-up actions.



Member – Permanent Committee of Arbitrators for Promotion to Professor & Associate Professor (Highway & Traffic Engineering)

Supreme Council of Universities – Egypt

04/2024 – Present

- Review and evaluate promotion files of applicants for Professor and Associate Professor positions in Highway and Traffic Engineering (Public Works Engineering Committee).
- Ensure adherence to national criteria and standards of scientific and academic excellence.

Member – Strategic Plan Preparation Committee (2026–2030)

Faculty of Engineering, Assiut University – Assiut, Egypt

07/2024 – Present

- Contribute to the development of the 2026–2030 strategic plan, building on the 2019–2024 plan, the university plan (2025–2030), the Ministry of Higher Education’s plan, and Egypt Vision 2030.
- Align faculty goals with national priorities in education quality, research, innovation, and community service.

Member – Assiut University Quality and Excellence Award Working Group

Faculty of Engineering, Assiut University – Assiut, Egypt

07/2024 – Present

- Support the implementation of government excellence standards linked to Egypt’s Sustainable Development Strategy.
- Develop initiatives that enhance institutional performance, service to the community, and quality of life on campus.

Director, Highways and Airports Laboratory – Civil Engineering Department

Faculty of Engineering, Assiut University – Assiut, Egypt

10/2021 – Present

- Upgrade laboratory equipment and procedures to meet international research and testing standards in pavement materials, asphalt mixes, and transportation infrastructure.
- Supervise technicians and staff, ensure compliance with safety and quality procedures, and support MSc and PhD research.
- Provide advanced testing services to national and local projects, strengthening the faculty’s industry and government partnerships.

Road and Traffic Consultant – Assiut Governorate

Faculty of Engineering, Assiut University – Assiut, Egypt

10/2021 – Present



- Participate in committees for receiving road and traffic works and setting the strategic plan for paving roads in Assiut Governorate.
- Advise on technical standards, quality control, and prioritization of road projects.

Head of Highway and Transportation Focus Group

Faculty of Engineering, Al-Ahliyya Amman University – Amman, Jordan

09/2018 – 08/2021

- Lead curriculum mapping of core and elective transportation courses to Student Outcomes (SOs) and Program Educational Objectives (PEOs).
- Ensure consistency of PEOs with the university mission and ABET criteria.
- Contribute to the preparation and achievement of **ABET accreditation (Aug 2021)** for the Civil Engineering program.

Deputy Executive Director – Faculty of Engineering Development & Accreditation Project (FOED/UDFP)

Faculty of Engineering, Assiut University – Assiut, Egypt

2008 – 2012

- Supported the development and implementation of the faculty's accreditation project (FOED) within the University Development Financing Project (UDFP).
- Contributed to preparing the faculty for accreditation through quality systems deployment, infrastructure upgrades, and staff capacity building.

Coordinator – Civil Engineering Department in Higher Education Quality Assurance Project

Faculty of Engineering, Assiut University – Assiut, Egypt

04/2006 – 07/2014

- Coordinated department-level activities for the Faculty of Engineering's quality assurance and accreditation project.
- Led preparation of departmental self-evaluation, course and program specifications, and improvement plans.

Academic Advisor – “Engineering for Life” Scientific Society

Faculty of Engineering, Assiut University – Assiut, Egypt

06/2014 – 09/2017

- Supervised student activities and training, and supported student-led projects in innovative applications of highway materials and sustainable construction.

Candidacies for Senior Academic Roles



Faculty of Engineering, Assiut University & Benha National University – Egypt
2024

- Candidate for **Dean, Faculty of Engineering**, Assiut University: submitted full application (Jan 2024) and presented faculty development vision to the nomination committee (Feb 2024).
- Candidate for **Director of Engineering Program**, Benha National University (Obour): submitted application (Jan 2024) and presented program development plan to the nomination committee (Apr 2024).

ACADEMIC EXPERIENCE

Professor of Highways and Traffic Engineering

Civil Engineering Department, Faculty of Engineering – Assiut University, Egypt
02/2023 – Present

- Teach and examine undergraduate and postgraduate courses, including Highway and Airport Engineering, Transportation Engineering, Maintenance and Rehabilitation of Transportation Networks, and graduation projects.
- Supervise MSc theses in highways, pavements, tunnels, and transportation systems.
- Lead and collaborate on research in asphalt materials, nanomaterials, reclaimed asphalt pavement (RAP), warm mix asphalt (WMA), and finite element modelling of pavements and tunnels.

Associate Professor / Assistant Professor – Civil Engineering & ITS

Al-Ahliyya Amman University – Amman, Jordan
09/2017 – 08/2021

- Taught undergraduate and MSc courses in Pavement Design and Airport Engineering (theory and lab), Highway and Traffic Engineering Lab, Highway Geometric & Railway Engineering, Pavement Maintenance and Rehabilitation, Traffic Flow Theories and Control, and Research Methodologies.
- Delivered e-learning courses using Microsoft Teams and MS Forms, including online assessments and blended learning.
- Contributed to ABET accreditation documentation and continuous improvement processes.

Previous Academic Positions – Assiut University

Demonstrator → Assistant Lecturer → Assistant Professor → Associate Professor
1991 – 02/2023

- Supported and later led teaching in Surveying, Soil Mechanics & Foundations, Traffic Planning & Transportation Engineering, Highway and Airport Engineering, Transport Network Maintenance, and graduation projects.



- Participated in developing undergraduate and postgraduate curricula aligned with the 2020 national reference framework for engineering postgraduate studies.

Visiting Professor

University of Manitoba – Winnipeg, Canada

06/2012 – 07/2012

- Collaborated with the pavement research group on advanced studies in asphalt materials, moisture damage, and sustainability in pavements.

POSTGRADUATE SUPERVISION & EXAMINING (SELECTED)

- Supervised **9 MSc theses** in highways, airports, tunnelling, and pavement materials, including:
 - Stability of highway side slopes in Upper Egypt.
 - Urban passenger transport performance in medium-sized cities.
 - Optimum runway orientation in Egyptian airports.
 - Evaluation of Cairo metro tunnels under the Nile.
 - Road network extraction from satellite images.
 - Use of low-cost nanomaterials in asphalt binders and mixtures.
 - Risk factors causing delay and cost overruns in road construction in Egypt.
 - Reflection cracking in asphalt overlays using finite element methods.
- Examined and reviewed **numerous MSc and PhD theses** in Egypt and abroad, covering highways, pavements, RAP, FDR technology, vertical curve design, and pavement performance.

RESEARCH PROFILE (HIGHLIGHTS)

- **h-index 14; 21 i10-index** (Google Scholar); strong citation record across WOS, Scopus, and ResearchGate.
- 20+ papers in indexed international journals (Construction and Building Materials, International Journal of Pavement Research and Technology, International Journal of Pavement Engineering, Canadian Journal of Civil Engineering, Journal of Materials in Civil Engineering – ASCE, Sustainability, etc.).
- Key themes:
 - Polymer- and nano-modified asphalt binders and mixtures.
 - Sustainable use of RAP, waste plastic, waste engine oil, and waste nanomaterials.
 - Moisture damage, rutting resistance, and aging of asphalt mixtures.
 - Finite element modelling of pavements and metro tunnel systems.
- Editor, **Journal of Inventive Transportation** (Turkey) since 2020; editorial board member of **International Journal of Pavement Research and Technology** (since 2021).
- Completed 120+ verified peer reviews for international journals and conferences.



EDUCATION

Ph.D. in Technical Sciences – Civil Engineering (Highways Engineering)

University of Innsbruck – Innsbruck, Austria | 2004

M.Sc. in Civil Engineering – Highways and Airport Engineering (Very Good, 82.66%)

Assiut University – Assiut, Egypt | 1994

B.Sc. in Civil Engineering – Very Good with Honours (81.56%, 2nd in class)

Assiut University – Assiut, Egypt | 1989

SELECTED TRAINING & PROFESSIONAL DEVELOPMENT

(Focus on leadership, quality, and accreditation)

- Training program for **Faculty Dean Position**, Assiut University (2023).
 - Strategic Planning for Faculties and Institutes of Higher Education – NAQAAE (2024).
 - Self-Evaluation – NAQAAE (2024).
 - Program/Course Specifications & Assessment of ILOs – NAQAAE (2024).
 - Teaching Strategies and Effective Learning – NAQAAE (2024).
 - Exams and Students' Assessment Systems – NAQAAE (2024).
 - Institutional and Programmatic Performance Indicators – QA & Accreditation Centre, Assiut University (2024).
 - Digital Transformation – QA & Accreditation Centre, Assiut University (2024).
 - Internal Quality System; Strategic Planning; Course and Program Specifications & Reports; Programmatic Accreditation – QA & Accreditation Centre, Assiut University (2024).
 - International Accreditation of Higher Education Institutions – QA & Accreditation Centre, Assiut University (2024).
 - External Review: Faculties and Institutes of Higher Education – NAQAAE (Jan 2025).
 - Crisis and Disasters; Quality Standards for Developing Electronic Tests; Internal Review; Measuring Learning Outcomes; Comprehensive Quality in Higher Education – QA & Accreditation Centre, Assiut University (2024–2025).
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PROFESSIONAL MEMBERSHIPS & SERVICE

- Engineering Syndicate of Egypt – Member since 1989.
 - Centre of Studies and Consulting Engineering – Assiut University – Member since 2004.
 - Expert in General Organization for Physical Planning, Highways and Transportation Studies Division – Egypt.
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LANGUAGES

- Arabic – Native
- English – Excellent (teaching, publishing, conferences)
- German – Working knowledge
- French – Basic knowledge



CV in details

2-Education					
Highest Degree	Doctoral degree in Technical Sciences	Date of Graduation	2004	Year Obtained	4 years
University	University of Innsbruck	Uni. World Rank	301	Country	Austria
Major field	Civil Engineering	Specialization field	Highways Engineering		
Confirmation of academic success (Course exams)					
<ol style="list-style-type: none"> 1. German as a Foreign Language, 6 hours. 2. Statistics in Transportation, 3 hrs. 3. Road planning, 4 hrs. 4. Finite Element I, 4 hrs. 5. Finite Element II, 3 hrs. 6. Language programming, 1.5 hrs. 7. Software Engineering, 2 hrs. 8. Structural analysis 2, 2 hrs. 					

Master's Degree	M.SC	Date of Graduation	1994	Year Obtained	3 years
University	Assiut University	Country	Egypt		
Major field	Civil Engineering	Specialization field Average grade	Highways and Airport Engineering Very good 82.66%		
Confirmation of academic success (Course exams)					
<ol style="list-style-type: none"> 1. Planning and design of highways and airports, 4 hrs/week from (Nov. 1991 to June 1992) \approx 8 Credit hours 2. Soil mechanics application, 2 hrs/week from (Nov. 1991 to June 1992) \approx 4 Credit hours 3. Advanced theory of structures, 4 hrs/week from (Nov. 1991 to June 1992) \approx 8 Credit hours 					

Bachelor's degree	B.SC	Date of Graduation	1989	Year Obtained	5 years
University	Assiut University	Country	Egypt		
Major field	Civil Engineering	Average grade	Very good with honors degree (81.56%) (The second)		
Confirmation of academic success (Course exams)					
<ol style="list-style-type: none"> 1. 79 hrs, lectures from Oct. to May during Oct. 1984 to May 1989 \approx 158 Credit hours 2. 75 hrs, Practical exercise and Labs. from Oct. 1984 to May 1989 \approx 75 Credit hours 					

3-Academic Rank						
v	Date Rank Awarded		Name of Organization	Country	Dates (from/to Month, Year)	
	Year	Month			From	To
Demonstrator	1991	4	Assiut University	Egypt	1991	1994
Assistant Lecture	1994	12	Assiut University	Egypt	1994	2004



Assistant Prof.	2004	3	Assiut University	Egypt	2004	2018
Assistant Prof.	2017	9	Al-Ahliyya Amman University	Jordan	2017	2018
Associate Prof.	2018	2	Al-Ahliyya Amman University	Jordan	2018	2021
Associate Prof.	2018	1	Assiut University	Egypt	2018	2023
Professor (full)	2023	2	Assiut University	Egypt	2023	now

4- Administrative Experience

Position/Post title	Name of Employer	Dates		Duties
		From	To	
		Year/Month	Year/Month	
Quality Assurance Unit Manager	Faculty of Engineering, Assiut University	7/2025	Up till now	Implementing the work methodology (Planning - Implementation - Review - "PIRI" - Improvement). The four steps "Planning - Implementation - Review - Improvement" represent the work methodology for all activities carried out by the unit in light of its objectives, terms of reference, values, mission, and vision.
Coordinator	Faculty of Engineering, Assiut University	4/2006	7/2014	Coordinator of the Civil Engineering Department in the High Education Quality Assurance Project for getting a Certificate of Quality Assurance and Accreditation, 2011.
Deputy Executive Director of the Faculty of Engineering Development Accreditation Project	Faculty of Engineering, Assiut University	2008	2012	The project to develop the Faculty of Engineering and prepare it for accreditation (FOED) within the University Development Financing Project (UDFP), which is funded by the Development Fund and



				affiliated with the Council of Ministers.
Academic advisor of Scientific Society, Engineering for Life	Faculty of Engineering, Assiut University	6/2014	9/2017	Student training, support of Student participation projects
Head of the Highway and Transportation Focus Group	Faculty of Engineering, Al-Ahliyya Amman University, Jordan	9/2018	8/2021	Mapping of Core and Elective Transportation courses, to Student Outcomes (SOs). Mapping of Course Learning Outcomes to SOs. Connect the relationship of SOs to Program Educational Objectives (PEOs). Consistence of the PEOs with the Mission of the Institution. Preparing and getting on ABET accreditation, Aug. 2021, for Civile Eng. Dept., Al-Ahliyya Amman University, Jordan.
Director of highways and airports laboratory, Civil Engineering Dept.	Faculty of Engineering, Assiut University	10/2021	Up till now	Updating and developing laboratory equipment to keep pace with global research, managing technicians and staff in the laboratory, supervising master's and doctoral students, and participating in conducting international and local research***.
Road and traffic consultant for Assiut Governorate	Faculty of Engineering, Assiut University	10/2021	Up till now	Participation in the committees for receiving road and traffic works and setting the strategic plan for paving roads in Assiut Governorate
Member of the Postgraduate Regulations Modernization Committee	Faculty of Engineering, Assiut University	3/2022	Up till now	Updating and developing a new bylaw for postgraduate studies in accordance with the 2020 reference framework for graduate



				studies issued by the engineering sector in Egypt.
Coordinator of the committee preparing the regulations for the Master's program in Intelligent Transportation Systems (ITS)	Faculty of Engineering, Assiut University	3/2022	Up till now	Preparing the bylaw of the new Master's program in Intelligent Transportation Systems by the framework of reference for postgraduate studies 2020 issued by the engineering sector, Egypt.
Member of the Committee for the Development of the Walkway of the People of Egypt in Sadfa, Assiut Governorate	Faculty of Engineering, Assiut University	4/2023	Up till now	Design and supervise the Development of the Walkway of the People of Egypt in Sadfa, Assiut Governorate
Coordinator of scientific seminars in the Civil Engineering Department	Faculty of Engineering, Assiut University	2/2023	Up till now	Coordinating the holding of scientific seminars, preparing reports on them, and recommending the issuance of certificates of attendance at the seminars.
Member of the doctoral admission examination committee	Faculty of Engineering, Assiut University	9/2023	8/2024	Member of the committee preparing the written and oral exams for doctoral students in public works engineering.
Candidate for Dean of the Faculty of Engineering	Faculty of Engineering, Assiut University	2/2024		The application file for the position of Dean of the Faculty was submitted on January 13, 2024, and the presentation of the development of the Faculty of Engineering was presented before the Dean of the Faculty of Engineering nomination committee headed by Prof. Dr. Ahmed Al-Minshawy, President of the University, on February 21, 2024.
Candidate for Director of the	Benha National	4/2024		The application file for the position of Director of the



Engineering Program	University, Obour, Egypt.			Engineering Program was submitted on January 27, 2024,, and a presentation on developing the Engineering Program was presented before the Engineering Program Director Nomination Committee headed by Prof. Dr. Shaaban Taha, Chairman of the Committee, on April 24, 2024.
Member of the permanent committee of arbitrators for the promotion of professors and associate professors	Supreme Council of Universities, Egypt.	4/2024	Up till now	Arbitration of files for applicants for promotion to the professor and associate professor position specializing in highway and traffic engineering - Public Works Engineering Committee - Supreme Council of Universities, EG.
External Review	The National Authority for Quality Assurance and Accreditation of Education, Egypt.	02/ 2025	Up till now	External Review: Faculties and Institutes of Higher Education, The National Authority for Quality Assurance and Accreditation of Education “NAQAEE”, Egypt.
Member of the Committee for Preparing the Strategic Plan for the Faculty of Engineering 2026-2030	Faculty of Engineering, Assiut University	7/2024	Up till now	Preparing the 2026-2030 strategic plan, which builds on the previous plan (2019-2024), Assiut University's strategic plan (2025-2030), the Ministry of Higher Education's plan, and Egypt Vision 2030.
Member of the Assiut University Quality and Excellence Award working group	Faculty of Engineering, Assiut University	7/2024	Up till now	Keeping pace with government excellence standards linked to Egypt's Sustainable Development Strategy (Egypt Vision 2030) and



				developing an ambitious vision based on consensus and participation in serving the community and achieving quality of life
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5 - Academic Experience and National Service

Position/Post title	Name of Employer	Dates		Duties
		From	To	
		Month/Year	Month/Year	
Soldier	Egyptian armed forces	1/1990	2/1991	A conscripted soldier in the Engineers Corps
Demonstrator	Assiut University	4/1991	12/1994	Researcher and help in teaching undergraduate students
Assistant Lecture	Assiut University	12/1994	3/2004	Researcher and help in teaching undergraduate students
Assistant Prof.	Assiut University	3/2004	1/2018	Researcher and teaching undergraduate and postgraduate students
Visiting professor	University of Manitoba, Winnipeg, Canada	6/6/2012	31/7/2012	To share in the research activities of the pavement research group.
Assistant Prof.	Al-Ahliyya Amman University	9/2017	1/2018	Researcher and teaching undergraduate students
Associate Prof.	Al-Ahliyya Amman University	2/2018	8/2021	Researcher and teaching undergraduate and postgraduate students (Intelligent Transportation System (ITS)).
Associate Prof.	Assiut Uni	1/2018	15/9/2021	On leave
Associate Prof.	Assiut Uni	16/9/2021	27/2/2023	Researcher and teaching undergraduate and postgraduate students.



Professor (full)	Assiut Uni	28/2/2023	Up till now	Researcher and teaching undergraduate and postgraduate students
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5-1 Courses Taught (for Undergraduate students)

Position/Post title	Name of Employer	Dates		Duties
		From	To	
		Year	Year	
Demonstrator, Assistant Lecturer	Assiut University	1991	2000	Helping in teaching courses of Highway Engineering, Traffic Planning and Transportation Eng., Railway Engineering, Surveying Engineering (Plane, Topographic, and Photogrammetric), B. Sc. Final year Project in Highway and Traffic Engineering, and Computer Utility in Structural analysis, Civil Engineering Department, Assiut University, Assiut, Egypt.
Assistance Professor	Assiut University	2004	2017	I have taught and examined the following undergraduate courses: Surveying Engineering (Plane, Topographic, and Photogrammetric) for 1st, and 2nd civil students, Soil and Foundation for 3rd civil students, Al-Azhar University, Branch Qena, Traffic Planning and Transportation Eng., Highway and Airport Engineering, Transport Networks Maintenance, highway and traffic engineering project, Planning and design of fundamental transportation systems, Supervising the bachelor's students in the graduation project highway and traffic engineering.
Assistance and Associate Professor	Al-Ahlyia Amman University	20017	2021	I have taught and examined the following undergraduate courses: Pavement Design and Airport Engineering, Pavement Design and Airport Engineering Lab, Selected topics in Civil Engineering, Highway and Traffic Engineering Lab, Highway Geometric and Railway Engineering, Pavement Maintenance and Rehabilitation.
Associate Professor	Assiut University	2021	2023	I have taught and examined the following undergraduate courses: Highway and Airport Engineering, Maintenance and Rehabilitation of Transportation Networks, Highways, and Airport Engineering Projects.



Professor (full)	Assiut University	2023	Till now	I have taught and examined the following undergraduate courses: Highway and Airport Engineering, Maintenance and Rehabilitation of Transportation Networks, Transportation Engineering, and Highways and Airport Engineering Project at Assiut University. Railway Engineering & Highways and Airport Engineering Project for B.Sc. Student of Higher Institute of Engineering in Al-Kuthur, Suhag, Egypt.
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5-2 Courses Taught (for Postgraduate students)

Course Name	Degree	Field of research	Organization
Advanced highway engineering	M.Sc.	Civil Engineering	Assiut University
Computer Applications in Highway Engineering	M.Sc.	Civil Engineering	Assiut University
Planning and design of Highway and Airports engineering	M.Sc.	Civil Engineering	Assiut University
Advanced railway engineering, Embankment strengthening, Pavement materials, and tests	M.Sc.	Civil Engineering	Assiut University
Traffic safety	M.Sc.	Intelligent Transportation System (ITS)	Al-Ahlyyia Amman University
Research Methodologies	M.Sc.		Al-Ahlyyia Amman University
Traffic flow theories and control	M.Sc.		Al-Ahlyyia Amman University
Strengthening of highway embankment, Pavement materials and tests, Computer applications in Highway Engineering	M.Sc.	Civil Engineering	Assiut University

5-3 E-Learning Courses Taught with Microsoft Team and Exam with MS Forms (for undergraduate & Postgraduate students)

Course Name	Degree	Department	Organization
Pavement design and airport engineering	B.Sc.	Civil Engineering	Al-Ahlyyia Amman University
Pavement design and airport engineering Lab	B.Sc.	Civil Engineering	Al-Ahlyyia Amman University



Pavement Maintenance and Rehabilitation	B.Sc.	Civil Engineering	Al-Ahlyyia Amman University
Road Traffic Flow and Control	M.Sc.	Intelligent Transportation System (ITS)	Al-Ahlyyia Amman University
5-4 M.Sc. degrees under my Supervision			
Thesis Name	Student name	Organization	
Factors Affecting the Stability of Highway Side Slopes at Upper Egypt, M.Sc. thesis 2008, Faculty of Engineering, Assiut University, Assiut, Egypt	Eng. Mahmoud Fathy Mohamed Abdel-Qader	Assiut University	
Evaluation and analysis of urban passengers transport modes operation performance suitable for medium size cities population, M.Sc. thesis 2011, Faculty of Engineering, Assiut University, Assiut, Egypt	Eng. Mahmoud Mohamed Ahmed Owais	Assiut University	
Investigation in selecting the optimum runway orientation with special reference to Egyptian airports, M.Sc. thesis 2012, Faculty of Engineering, Assiut University, Assiut, Egypt	Eng. Ramy Nasr Abd El-Monem Mohamed	Assiut University	
Evaluation of Cairo metro tunnel systems underneath the river Nile, M.Sc. thesis 2015, Faculty of Engineering, Assiut University, Assiut, Egypt	Eng. Abdo Shaban Ahmed	Assiut University	
Road network extraction from Satellite images in Egypt, M.Sc. thesis 2020, Faculty of Engineering, Assiut University, Assiut, Egypt	Eng. Beshoy Nady Bastorous	Assiut University	
Evaluation of Using Low-Cost Nanomaterials on Performance of Asphalt Binder and Mixture, M.Sc. thesis 2021, Faculty of Engineering, Assiut University, Assiut, Egypt	Eng. Ali Yossef	Assiut University	
Assessment of risk factors causing delays and cost overrun for road construction in Egypt, M.Sc. thesis 2025, Faculty of Engineering, Assiut University, Assiut, Egypt	Eng. Mina Majid	Assiut University	



Investigating the Effect of Reflection Cracks on Asphalt Pavement Overlay Layer Using Finite Element Method, M.Sc. thesis 2025, Faculty of Engineering, Assiut University, Assiut, Egypt	Eng. Mohamed Gamal	Assiut University
Effect of mineral filler types and contents on asphalt concrete mixes performance, M.Sc. thesis under publication, Faculty of Engineering, Assiut University, Assiut, Egypt.	Eng. Mahmoud Ahmed Mansour	Assiut University

5-5 Scientific theses that were peer-reviewed

Thesis Name	Student name	Organization
Factors Affecting the Stability of Highway Side Slopes at Upper Egypt, M.Sc. thesis 2008, Faculty of Engineering, Assiut University, Assiut, Egypt	Eng. Mahmoud Fathy Mohamed Abdel-Qader	Assiut University
Evaluation and analysis of urban passengers transport modes operation performance suitable for medium size cities population, M.Sc. thesis 2011, Faculty of Engineering, Assiut University, Assiut, Egypt	Eng. Mahmoud Mohamed Ahmed Owais	Assiut University
Investigation in selecting the optimum runway orientation with special reference to Egyptian airports, M.Sc. thesis 2012, Faculty of Engineering, Assiut University, Assiut, Egypt	Eng. Ramy Nasr Abd El-Monem Mohamed	Assiut University
Evaluation of Cairo metro tunnel systems underneath the river Nile, M.Sc. thesis 2015, Faculty of Engineering, Assiut University, Assiut, Egypt	Eng. Abdo Shaban Ahmed	Assiut University
Rheological Studies on Identification of New Rutting Parameters for Unmodified Bitumen, Ph. D. thesis, 2019.	Syed Mubashirhus-sain	National Institute of Technology
Road network extraction from Satellite images in Egypt, M.Sc. thesis 2020, Faculty of Engineering, Assiut University, Assiut, Egypt	Eng. Beshoy Nady Bastorous	Assiut University
Evaluation of Using Low-Cost Nanomaterials on Performance of Asphalt Binder and Mixture, M.Sc. thesis 2021, Faculty of Engineering, Assiut University, Assiut, Egypt	Eng. Ali Yossef	Assiut University



Pavement full-depth reclamation (FDR) technology, Master of Engineering, 2022.	Ahmed Mouner Kamal Abdalim	Assiut University
Design Consideration for Different Highway Vertical Curve Types, Master of Engineering, 2023.	Ahmed Saleh Mahmoud Hassan	Assiut University
The Effect of Using Full Depth Recycling (FDR) Technique of Asphalt Layers on Pavement Performance, Master of Engineering, 2024.	Ahmed Eid Ali Shafia	Assiut University
Assessment of risk factors causing delays and cost overrun for road construction in Egypt, M.Sc. thesis, 2025.	Eng. Mina Majid	Assiut University
Investigating the Effect of Reflection Cracks on Asphalt Pavement Overlay Layer Using Finite Element Method, M.Sc. thesis, 2025.	Eng. Mohamed Gamal	Assiut University
Performance of Cement Grouted Semi-Flexible Pavements using Construction and Demolition Waste, Ph.D. Dissertation, 2026.	Eng. Mohamed Abd El-Rahman Hafez Mohamed	Ain Shams University

6- Practical Training		
Course Title	Organization	Date
Communication Skills	Assiut University, Egypt	04/2005
Decision Making and Problem-solving	Assiut University, Egypt	05/2005
New Trends in Teaching	Assiut University, Egypt	07/2005
Special Topics in Teaching (Course and curriculum design)	Assiut University, Egypt	08/ 2005
Managerial Skills	Assiut University, Egypt	08/2005
Electronic Publishing Requirements	Assiut University, Egypt	08/ 2005
Teaching with Technology	Assiut University, Egypt	11/ 2006
Quality Assurance and Accreditation	Assiut University, Egypt	05/ 2007
Research Ethics	Sohag University, Egypt	07/2018
Effective Presentation	Sohag University, Egypt	08/2018
Advances in Asphaltic Materials التطورات في المواد الاسفلتية	Jordan University of Science and Technology, Jordan.	04/2019
Combating corruption and its definition	Sohag University, Egypt	6/2019
International Scientific Publishing	Luxor University, Egypt	01/2021



Examination and Student Assessment Systems	Luxor University, Egypt	02/2021
Analytical and creative thinking in teaching	Assiut University, Egypt	02/ 2022
Fundamentals of Digital Transformation (Introduction to Computer Networks)	Assiut University, Egypt	09/ 2022
Attending the training program to fill the position of faculty dean	Assiut University, Egypt	03/ 2023
Strategic planning: Faculties and Institutes of Higher Education	The National Authority for Quality Assurance and Accreditation of Education "NAQAAE", Egypt.	06/ 2024
Self-Evaluation: Faculties and Institutes of Higher Education	The National Authority for Quality Assurance and Accreditation of Education "NAQAAE", Egypt.	06/ 2024
Program/Course Specifications and Assessment of ILOs: Faculties and Institutes of Higher Education	The National Authority for Quality Assurance and Accreditation of Education "NAQAAE", Egypt.	07/ 2024
Teaching Strategies and Effective Learning: Faculties and Institutes of Higher Education	The National Authority for Quality Assurance and Accreditation of Education "NAQAAE", Egypt.	07/ 2024
Exams and Students' Assessment Systems: Faculties and Institutes of Higher Education	The National Authority for Quality Assurance and Accreditation of Education "NAQAAE", Egypt.	07/ 2024
Institutional and programmatic performance indicators	Quality Assurance and Accreditation Centre, Assiut University, Egypt.	October 16 th , 2024
Digital transformation	Quality Assurance and Accreditation Centre, Assiut University, Egypt.	October 23 rd , 2024
Internal quality system	Quality Assurance and Accreditation Centre, Assiut University, Egypt.	October 30 th , 2024
Strategic planning	Quality Assurance and Accreditation Centre, Assiut University, Egypt.	November 6 th , 2024
Course Specification and Course Report	Quality Assurance and Accreditation Centre, Assiut University, Egypt.	November 13 rd , 2024
Program Specification and Program Report	Quality Assurance and Accreditation Centre, Assiut University, Egypt.	November 20 th , 2024
Programmatic accreditation	Quality Assurance and Accreditation Centre, Assiut University, Egypt.	November 27 th , 2024
Governance and Institutional Development	Quality Assurance and Accreditation Centre, Assiut University, Egypt.	December 4 th , 2024



Specifications of a good test and evaluation of the examination paper	Quality Assurance and Accreditation Centre, Assiut University, Egypt.	December 11 rd , 2024
International Accreditation of Higher Education Institutions	Quality Assurance and Accreditation Centre, Assiut University, Egypt.	December 18 th , 2024
Entrepreneurship	Quality Assurance and Accreditation Centre, Assiut University, Egypt.	January 1 st , 2025
Measurement and Evaluation	Quality Assurance and Accreditation Centre, Assiut University, Egypt.	January 8 th , 2025
External Review: Faculties and Institutes of Higher Education	The National Authority for Quality Assurance and Accreditation of Education, "NAQAAE", Egypt.	16-18 January 2025
Crisis and Disasters	Quality Assurance and Accreditation Centre, Assiut University, Egypt.	February 12 th , 2025
Quality Standards for Developing Electronic Tests	Quality Assurance and Accreditation Centre, Assiut University, Egypt.	February 19 th , 2025
Internal Review	Quality Assurance and Accreditation Centre, Assiut University, Egypt.	February 26 th , 2025
Comprehensive quality in institutions of higher education	Quality Assurance and Accreditation Centre, Assiut University, Egypt.	April 16 th , 2025
Quality control is a requirement for quality assurance.	Quality Assurance and Accreditation Centre, Assiut University, Egypt.	April 23 th , 2025
Measuring the learning outcomes of study programmes	Quality Assurance and Accreditation Centre, Assiut University, Egypt.	April 30 th , 2025

1.6 أنشطة أعمال الجودة					
أولاً: أنشطة داخل وخارج الكلية للعام 2006 - 2026م					
اعتماد الكلية لدرجة إنجاز المهام وفعاليتها **	التاريخ		وصف النشاط	إسم النشاط	رقم
	من	إلى			
	2026	2026	القيام بأعمال المراجعة الخارجية لمؤسسات وبرامج التعليم العالي وذلك في الفترة من 3 - 5 مايو 2026 م بالهيئة القومية لضمان جودة التعليم والاعتماد	مراجع خارجي	1
	2026	2026	مراجعة وتقييم نقاط التحسين المطلوبة وخطة التحسين لبرنامج الهندسة المدنية وتقرير متابعة خطة التحسين لبرنامج الهندسة المدنية وذلك بناء	مراجع خارجي	2



			على طلب أ.د. سالم محمود الخضرى عميد كلية الهندسة جامعة النهضة.		
	2026	2025	المشاركة في إعداد التقرير السنوي للكلية للعام الجامعي 2025/2024، وقد تم إرساله رسمياً إلى مركز ضمان الجودة بالجامعة بتاريخ 2026/2/11، وذلك استيفاءً للمتطلبات الدورية وتوثيقاً لإنجازات الكلية في مجالات التعليم والبحث العلمي وتنمية البيئة وخدمة المجتمع وضمان الجودة.	عضو	3
	الان	2026	تولي مهام تسجيل وإدراج الكلية وبرامجها الدراسية ضمن "السجل الوطني للمؤهلات"، وذلك عبر المنصة الإلكترونية الخاصة بالإطار الوطني للمؤهلات المصرية	منسق	4
	الان	2026	المشاركة في اعداد مسابقة طلابية بعنوان "أفضل الممارسات المتميزة" خلال الفترة من 2026/1/18 حتى 2026/2/26، على أن تُقدم العروض النهائية يومي 29-30 مارس وتُعلن النتائج في 7 أبريل 2026؛ الجوائز المرصودة للمراكز الثلاثة الأولى تبلغ (5000، 3000، 2000) جنيهاً على التوالي، وذلك بهدف تشجيع الطلاب على إبراز جودة الممارسات داخل الكلية	عضو	5
	2025	2025	عقد ورشة عمل بعنوان "إعداد الدراسة الذاتية للكلية" بتاريخ 2025/12/23، بحضور السادة أعضاء لجنة إعداد الدراسة الذاتية	محاضر	6
	2025	2025	تنظيم ورشة عمل ضمن المبادرة الرئاسية بعنوان 'بداية جديدة لضمان جودة التعليم، بتاريخ 2025/11/25 حاضر فيها مدير وحدة ضمان الجودة ونائبه عرضاً توعوياً للهيئة المعاونة والطلاب من مختلف الفرق، تناول سبل تعزيز الوعي الطلابي بمعايير الجودة ودورها في تطوير العملية التعليمية	محاضر	7
	2025	2025	المشاركة في اعداد تقرير وحدة الجودة والتميز بالجامعة بشأن تحليل أداء الكلية خلال الدورة	عضو	8



			الثالثة (2025)، والذي تضمن حصراً دقيقاً لنقاط القوة وفرص التحسين المستخلصة وفقاً لمعايير الجائزة.		
	2025	2025	تحديث الرسالة والرؤية لكلية الهندسة واعتمادها بقرار مجلس الكلية رقم (1150) بتاريخ 2025/10/16م	عضو	9
	الان	2025	إنشاء لجنة الإحصاء والمعلومات بوحدة ضمان الجودة ومهامها وما قامت بإنجازه حتى تاريخه والتي من مهامها ما يلي: تطوير الاستبيانات المختلفة للعملية التعليمية والجهاز الإداري بالكلية. تحويل الاستبيانات الى رقمية باستخدام جوجل فورم. توزيع الاستبيانات في الاوقات المناسبة للجهات المختلفة. التحليل الإحصائي والمعلوماتي للاستبيانات	رئيس اللجنة	10
	2025	2025	القيام بأعمال المراجعة الخارجية لمؤسسات وبرامج التعليم العالي وذلك في الفترة من 23 - 25 فبراير 2025م بالهيئة القومية لضمان جودة التعليم والاعتماد.	مراجع خارجي	11
	2014	2006	منسق قسم الهندسة المدنية في وحدة توكيد الجودة والاعتماد	منسق	12
	2009	2008	الاشتراك في وضع المواصفات الفنية وخطة تطوير قسم الهندسة المدنية ضمن برنامج تطوير كلية الهندسة والممول من صندوق التطوير التابع لمجلس الوزراء.	عضو	13
	2014	2006	اعداد توصيف برنامج قسم الهندسة المدنية لمرحلة البكالوريوس.	عضو	14
	2014	2006	اعداد تقرير برنامج قسم الهندسة المدنية لمرحلة البكالوريوس	عضو	15
	2011	2010	المشاركة في الاجتماعات الخاصة بالجهات المستفيدة بقسم الهندسة المدنية.	عضو	16



	2011	2010	المشاركة بصفة منتظمة في الاجتماعات الخاصة بخطة التحسين يوم الاثنين مساء	عضو	17
	2011	2011	الاشتراك في لجنة دعم مكتبة قسم مدنى بالمراجع والكتب العلمية.	عضو	18
	2011	2011	مرافقة فريق المراجعة للكلية وحضور الاجتماعات والمناقشات ومتابعة الطلاب ومعاونو أعضاء هيئة التدريس بالقسم المشاركون في اللقاءات مع الفريق.	عضو	19

ثانيا أنشطة على مستوى القسم 2006-2014

إعتماد القسم لدرجة إنجاز المهام وفعاليتها *	التاريخ		وصف النشاط	إسم النشاط	رقم
	من	إلى			
	2009	2006	المشاركة فى لجنة اعداد ومراجعة توصيف وتقارير برنامج قسم مدنى لمرحلة البكالوريوس.		1
	2011	2009	المشاركة فى لجنة اعداد ومراجعة توصيف برنامج قسم مدنى لمرحلة البكالوريوس.	ل221	2
	2011	2009	المشاركة فى لجنة اعداد ومراجعة مصفوفة برنامج قسم مدنى لمرحلة البكالوريوس.	ل222	3
	2011	2009	المشاركة فى لجنة اعداد ومراجعة توصيف مقررات برنامج قسم مدنى لمرحلة البكالوريوس للعام 2010-2011م	ل232	4
	2011	2009	المشاركة فى لجنة اعداد ومراجعة تقارير مقررات برنامج قسم مدنى لمرحلة البكالوريوس للعام 2009-2010م	ل233	5
	2011	2010	المشاركة فى اعداد ومراجعة توصيف البرامج التالية لدراسات العليا بقسم مدنى 2010-2011م: 1- دبلومة الري والهيدروليكا 2- دبلومة الهندسة الأنشائية 3- دبلومة الهندسة الصحية 4- دبلومة هندسة النقل 5- ماجستير الري والهيدروليكا 6- ماجستير الهندسة الأنشائية 7- ماجستير الأشغال العامة 8- دكتوراة فى الري والهيدروليكا		6



			9- دكتوراة فى الهندسة الأنشائية 10- دكتوراة فى الأشغال العامة		
	2011	2010	المشاركة فى اعداد ومراجعة تقارير البرامج التالية لدراسات العليا بقسم مدنى للعام 2010-2011م: 1- دبلومة الرى والهيدروليكا 2- دبلومة الهندسة الأنشائية 3- دبلومة الهندسة الصحية 4- دبلومة هندسة النقل 5- ماجستير الرى والهيدروليكا 6- ماجستير الهندسة الأنشائية 7- ماجستير الأشغال العامة 8- دكتوراة فى الرى والهيدروليكا 9- دكتوراة فى الهندسة الأنشائية 10- دكتوراة فى الأشغال العامة	7	
	2011	2010	المشاركة فى اللجان العلمية لبرامج الدراسات العليا التالية بقسم مدنى لعام 2010-2011: 1- دبلومة هندسة النقل 2- ماجستير الأشغال العامة 3- دكتوراة فى الأشغال العامة	8	
	2011	2010	المشاركة فى اعداد ومراجعة توصيف المقررات لبرامج الدراسات العليا التالية بقسم مدنى 2010-2011م: 1- دبلومة هندسة النقل 2- ماجستير الأشغال العامة 3- دكتوراة فى الأشغال العامة	9	
	2011	2009	المشاركة فى لجنة اعداد ومراجعة دراسة احتياجات سوق العمل.	10	ل231
	2011	2010	المشاركة فى لجنة اعداد ومراجعة أعمال تعظيم الأستفادة من تقارير المراجعين الخارجيين.	11	ل233
	2011	2010	المشاركة فى لجنة اعداد ومراجعة أعمال تعظيم الأستفادة من التقارير الدورية للبرامج والمقررات.	12	ل233
	2011	2010	المشاركة فى لجنة اعداد ومراجعة دراسة وتحليل تطور أعداد الطلاب الملتحقين ببرنامج قسم مدنى ومردودها على البرنامج.	13	ل234



	2011	2010	المشاركة فى لجنة اعداد ومراجعة تطوير نظم التدريب الميدانى.	141ن	14
	2011	2010	المشاركة فى لجنة اعداد ومراجعة تفعيل آليات رعاية الطلاب المتعثرين دراسيا.	212ل	15
	2011	2010	المشاركة فى لجنة مراجعة محاضر الأتمرات للمجموعات العلمية التخصصية للفصل الأول 2010-2011م.	234ل	16
	2011	2010	المشاركة فى لجنة اعداد ومراجعة دراسة الفجوة لبرنامج قسم مدنى لمرحلة البكالوريوس.	222ل	17
	2011	2010	المشاركة فى لجنة اعداد ومراجعة تقاريرالمقررات لبرنامج قسم مدنى لمرحلة البكالوريوس للعام 2010-2011م للفصل الدراسى الأول.	233ل	18
	2011	2010	المشاركة فى اجتماعات ومناقشات واعداد التقارير الخاصة باللجان العلمية لمواد مرحلة الكالوريوس.	234ل	19
	2011	2010	المشاركة فى لجنة المراجعة الداخلية لبرنامج قسم مدنى لمرحلة الكالوريوس واعداد تقرير المراجعة الداخلية.	234ل	20
	2011	2010	المشاركة فى لجان التوعية بالجودة والأعتتماد لطلاب البكالوريوس والدراسات العليا بالقسم المدنى.		21

6-2 Workshop

Course Title	Organization	Date
Letter estimation from Marks	Al-Ahlyyia Amman Uni., Jordan.	9/2018
Designing Courses and Assessing Learning for Critical Thinking	Al-Ahlyyia Amman Uni., Jordan.	12/2018
Evaluating some international practices to improve road safety	Al-Ahlyyia Amman Uni., Jordan.	12/2018
Rubrics Material Assessment System	Al-Ahlyyia Amman Uni., Jordan.	12/2018
Intelligent Transportation Systems Issues and Challenges	Al-Ahlyyia Amman Uni., Jordan.	2/2019
The use of nanotechnology in Urban roads, and Rural roads.	Al-Ahlyyia Amman Uni., Jordan.	3/2019
International Day of the Faculty of Engineering, "Entrepreneurship and Innovation in Engineering"	Al-Ahlyyia Amman Uni., Jordan.	3/2019
ABET Requirements	Al-Ahlyyia Amman Uni., Jordan.	12/2019



Training in MS TEAM	Al-Ahlyyia Amman Uni., Jordan.	12, 14/3/2020
Training on MS FORM	Al-Ahlyyia Amman Uni., Jordan.	9/5/2020
SUPERPAVE System	Engineering Syndicate of Jordanian / Civil Engineering Division	12, 19/5/2020
Training on MS TEAM	Al-Ahlyyia Amman University	4/7/2020
Webinar: How to Select the Right Journal to Submit Your Manuscript	National Research Centre, Cairo, Egypt.	Sept. 10 th , 16 th 2020
Webinar: Microsoft Teams program in the educational process	The Egyptian University Network, in collaboration with Microsoft	Sept. 14 th , 15 th 2020
Webinar: Coronavirus Disease (COVID 19) and Possibility of Second Pandemic in the World.	National Research Centre, Cairo, Egypt.	Sept. 22 nd 2020
Webinar: Microsoft Teams program in the educational process	The Egyptian University Network, in collaboration with Microsoft	Sept. 21 st , 22 nd 2020
Webinar: Tips and Tricks to Write and Apply a Successful Research Proposal	National Research Centre, Cairo, Egypt.	October 4 th -5 th 2020
Webinar: How to write a Winning Grant Proposal?	National Research Centre, Cairo, Egypt.	October 4 th -5 th 2020
Webinar: Enhance your Research with Elsevier: Discover the Solutions	National Research Centre, Cairo, Egypt.	October 11 th 2020
Webinar: The Bylaw of Promoting Academic Staff – 13 th Round (2019-2022) – Part 1	Scientific Research Development Unit, Tnata University, Egypt.	October 11 th , 2020
Webinar: Good Lab Practice (GLP) Requirements	National Research Centre, Cairo, Egypt.	October 13 th - 14 th 2020
Webinar: Terms and concepts towards scientific research marketing	National Research Centre, Cairo, Egypt.	October 21 st - 22 nd 2020
Webinar: Enhance your Research with Elsevier: How Mendeley can Enhance your research?	National Research Centre, Cairo, Egypt.	October 25 th 2020
Webinar: COVID-19 Knowledge Vs Protection. كوفيد-19 بين المعرفة و الوقاية	National Research Centre, Cairo, Egypt.	October 26 th 2020
Webinar: Protective Face Mask for Covid-19 an Engineering concept	National Research Centre, Cairo, Egypt.	October 27 th 2020
Webinar: شرح لائحة الدورة الثالثة عشر لترقية اعضاء هيئة التدريس الجزء الاول والثاني والمناقشة الحرة	Research Support Centre, Helwan University, Egypt.	October 17 th , 24 th , 31 st 2020
Webinar: How to Write a Scientific Paper? Part 1 & Part 2 & Part 3.	National Research Centre, Cairo, Egypt.	Sept. 29 th & Oct. 6 th & Nov. 1 st 2020



Webinar: Enhance your Research with Elsevier: Selecting a Journal for published & Open Access Models	National Research Centre, Cairo, Egypt.	November 5 th 2020
Webinar: Impact of Nutrition in Enhancement of Immunity During and Post COVID-19	National Research Centre, Cairo, Egypt.	November 8 th 2020
Webinar: Food and it's Safety in After Corona	National Research Centre, Cairo, Egypt.	November 10 th 2020
Webinar: The Era of (COVID-19) & Food Industry Impact & lessons	National Research Centre, Cairo, Egypt.	November 12 th 2020
Webinar: Step-by-step on How to Prepare a Successful Paper - Jordan	AD Webinars, Springer Nature	November 18 th 2020
Webinar: Insights into Sustainability Using Web of Science Curated Data Sources	National Research Centre, Cairo, Egypt.	November 19 th 2020
Webinar: STDF Funding Grants & How to Match Call Guidelines Requirements	National Research Centre, Cairo, Egypt.	November 23 rd 2020
Webinar: Best Practices for Peer Review and Authorship Workshop in Cooperation with Web of Science.	Egyptian Knowledge Bank (EKB), Egypt.	November 25 th 2020
Webinar: Enhance your Research with Elsevier: Discover Research Metrics on Scopus & Updated CiteScore & Quartiles	National Research Centre, Cairo, Egypt.	November 26 th 2020
Webinar: Enhance your Research with Elsevier: Funding Institutional - Onboarding	National Research Centre, Cairo, Egypt.	December 3 rd 2020
Webinar: How to Design a Scientific Poster?	Research Support Centre, Helwan University, Egypt.	December 5 th 2020
Webinar: Nature Research Academies Workshop Logical Manuscript Structure	Nature Research Academies with the collaboration of Egyptian Knowledge Bank.	December 6 th 2020
Webinar: Nature Research Academies Workshop Journal Editor 1	Nature Research Academies with the collaboration of Egyptian Knowledge Bank.	December 6 th 2020
Webinar: Scientific and Academic Cooperation Funding Opportunities (Embassy of France in Egypt – Institute Francais Egypt)	National Research Centre, Cairo, Egypt.	December 10 th 2020
Webinar: Academic Social Networks and Research Ranking	Research Support Centre, Helwan University, Egypt.	December 12 th 2020
Webinar: Enhance your Research with Elsevier: How Elsevier supports Engineering Research	National Research Centre, Cairo, Egypt.	December 13 th 2020
Webinar: Essential Academic Documents to Ensure Career Success	LetPub Learning Nexus.	December 15 th 2020



Webinar: Professional Writing of Grant Proposals “Tricks and Tips”	National Research Centre, Cairo, Egypt.	December 17 th 2020
Webinar: Competency-Based Learning: Planning, implementation, and accreditation	Egyptian Team of Higher Education Reform Experts, the National Erasmus+ Office - Egypt and SPHERE	December 17 th 2020
Webinar: Sound care for faculty members at Al-Ahlyyia Amman University	Al-Ahlyyia Amman Uni., Jordan.	December 17 th 2020
Webinar: SWOT analysis	Al-Ahlyyia Amman Uni., Jordan.	December 18 th 2020
Webinar: What clinicians should know about statistics? (How to incorporate statistics in your research)	Research Support Centre, Helwan University, Egypt.	December 19 th 2020
Webinar: Role of the Central Laboratories Network and Centres of Excellence at the National Research Centre to Provide Emerging Technologies to the Scientific Society.	Research Support Centre, Helwan University, Egypt.	December 20 th -22 nd 2020
Webinar: Enhance your Research with Elsevier: Author Workshop: How to Publish an eBook.	National Research Centre, Cairo, Egypt.	December 22 nd 2020
Webinar: Research Metrics Tracking & Measuring the Impact of your Research	Research Support Centre, Helwan University, Egypt.	December 26 th 2020
Webinar: Enhance your Research with Elsevier SciVal	National Research Centre, Cairo, Egypt.	December 31 st 2020
Webinar: Introduction to SPSS	Al-Ahlyyia Amman Uni., Jordan.	Jan 2 nd 2021
Do Research with Confidence Using Web of Science Core Collection	National Research Centre, Cairo, Egypt.	Jan 12 nd 2021
Webinar: Enhance your Research with Elsevier: How to Improve R&D Productivity with Reaxys?	National Research Centre, Cairo, Egypt.	Jan 18 th 2021
Webinar: Guide to Publishing in Top-Tier International Journals	LetPub, Learning Nexus	Jan 22 nd 2021
Webinar: Enhance your Research with Elsevier: “Before Hitting Submit: Practical Tips for Authors”	National Research Centre, Cairo, Egypt.	Jan 24 th 2021
Webinar: Effect of Asphalt Grade and Polymer Type (SBS and EE-2) on Produced PMB and Asphalt Concrete Mix Properties	Al-Ahlyyia Amman Uni., Jordan.	Jan 26 th 2021
Webinar: الإحصاء في العلوم الإنسانية والاجتماعية	Research Support Centre, Helwan University, Egypt.	Jan. 30 th 2020
Webinar: Enhance your Research with Elsevier: “Making the Most out of Author Profiles on Scopus”	National Research Centre, Cairo, Egypt.	Jan 31 st 2021



Webinar: Effective Post-submission Publishing Strategies in Collaboration with the EKB"	Nature Research Academies with collaboration of Egyptian Knowledge Bank.	Jan 31 st 2021
Webinar: Clinical Research Methodology with the EKB"	Nature Research Academies with collaboration of Egyptian Knowledge Bank.	Feb 1 st 2021
Webinar: Manage Your Cited References in a Glance Using EndNote Online	Clarivate-NRC (National Research Centre) Webinar series, Cairo, Egypt.	Feb 1 st 2021
Webinar: Completed every module within Certified Peer Reviewer Course	Researcher Academy, Elsevier	Feb 2 nd , 2021
Webinar: Completed every module within Becoming a peer reviewer	Researcher Academy, Elsevier	Feb 3 rd 2021
Webinar: Quality in Research (Publication Strategies and approaches)	National Research Centre, Cairo, Egypt.	Feb 3 rd 2021
Webinar: Completed the following module: 10 tips for writing a truly terrible review	Researcher Academy, Elsevier	Feb 3 rd 2021
Webinar: Completed the following module: 1.1 What is peer review? Why peer review?	Researcher Academy, Elsevier	Feb 1 st 2021
Webinar: Completed the following module: 1.2 Models of peer review	Researcher Academy, Elsevier	Feb 1 st 2021
Webinar: Completed the following module:1.3 Typical-peer-review-process	Researcher Academy, Elsevier	Feb 1 st 2021
Webinar: Completed the following module:1.4 How to get involved	Researcher Academy, Elsevier	Feb 1 st 2021
Webinar: Completed the following module:2.0 Just got a review invite, what's next?	Researcher Academy, Elsevier	Feb 1 st 2021
Webinar: Completed the following module:3.1 How to write a helpful peer review report	Researcher Academy, Elsevier	Feb 1 st 2021
Webinar: Completed the following module:3.2 The comments to editors and decision recommendations	Researcher Academy, Elsevier	Feb 1 st 2021
Webinar: Completed the following module:3.3 How to peer review article	Researcher Academy, Elsevier	Feb 1 st 2021
Webinar: Completed the following module:4.0 What next?	Researcher Academy, Elsevier	Feb 1 st 2021
Webinar: Completed the following module:3.3 How to peer review article	Researcher Academy, Elsevier	Feb 1 st 2021
Webinar: Completed the following module: Introduction of the certified peer reviewer course	Researcher Academy, Elsevier	Feb 2 nd 2021
Webinar: Completed the following module: Certified peer reviewer course assessment	Researcher Academy, Elsevier	Feb 2 nd 2021
Webinar: Completed the following module: What to expect from certified peer reviewer course?	Researcher Academy, Elsevier	Feb 2 nd 2021



Webinar: Completed the following module: How to review a manuscript	Researcher Academy, Elsevier	Feb 3 rd 2021
Webinar: Completed the following module: How to become a reviewer and what do editors expect?	Researcher Academy, Elsevier	Feb 3 rd 2021
Webinar: Completed the following module: How reviewers become editors	Researcher Academy, Elsevier	Feb 3 rd 2021
Webinar: Completed the following module: How to editors look at your paper?	Researcher Academy, Elsevier	Feb 4 th 2021
Webinar: Completed every module within Going through peer review	Researcher Academy, Elsevier	Feb 4 th 2021
Webinar: Completed the following module: How to respond to reviewers' comments	Researcher Academy, Elsevier	Feb 4 th 2021
Webinar: Completed the following module: Standing up for science	Researcher Academy, Elsevier	Feb 4 th 2021
Webinar: Professional Peer-review	National Research Centre, Cairo, Egypt.	Feb 4 th 2021
Webinar: COVID-19 Reality, Challenges & Future	Al-Ahlyyia Amman Uni., Jordan.	Feb 14-16 th 2021
Webinar: Journal Editor 1 – Ethics & Responsibilities and Strong Editorial Vision & Workflows	Nature Research Academies with collaboration of Egyptian Knowledge Bank.	Feb 22 nd 2021
Webinar: Journal Editor 2 – Positive author & reviewer experiences and journal promotion	Nature Research Academies with collaboration of Egyptian Knowledge Bank.	Feb 23 rd 2021
Webinar: Understanding Research Metrics: What Really Matters?	LetPub, Learning Nexus	Feb 24 th 2021
Webinar: الإحصاء التطبيقي في العلوم الإنسانية باستخدام برنامج SPSS	Research Support Centre, Helwan University, Egypt.	Feb. 27 th 2020
Webinar: Benchmark and Analyze your research output using Incites B&A	National Research Centre, Cairo, Egypt.	March 1 st 2021
Webinar: Innovation, IP and their importance to Scientific Research	National Research Centre, Cairo, Egypt.	March 9 th 2021
Webinar: Elsevier-NRC Guide Course for Reviewers, Introduction to Peer Review and General Aspects	National Research Centre, Cairo, Egypt.	March 17 th 2021
Webinar: Leveraging Your Scientific Society to Advance Your Career	LetPub, Learning Nexus	March 19 th 2021
Webinar: Mendeley Citation Manager & Academic Social Network	Research Support Centre, Helwan University, Egypt.	March 20 th 2021
Webinar: Elsevier-NRC Guide Course for Reviewers, Initial Handling of a Manuscript & Essential Ethical Aspects	National Research Centre, Cairo, Egypt.	March 22 nd 2021
Webinar: نظام إدارة التعلم Learning Management System وإنتاج المقررات الإلكترونية ذاتياً	المركز القومي للتعلم الإلكتروني بمركز الخدمات الإلكترونية والمعرفية بالمجلس الأعلى للجامعات ومكتب اليونسكو الإقليمي	March 25 th 2021



	للعلوم في الدول العربية بالقاهرة واللجنة الوطنية لليونسكو	
Webinar: Elsevier-NRC Guide Course for Reviewers, Elsevier Resources & Training for Reviewers	National Research Centre, Cairo, Egypt.	March 25 th 2021
Webinar: Scientific Manuscript Formatting Using MS Word	Research Support Centre, Helwan University, Egypt.	March 27 th 2021
Webinar: Elsevier-NRC Guide Course for Reviewers, Core of Peer Review I	National Research Centre, Cairo, Egypt.	March 29 th 2021
Webinar: Helping geo-scientists and Engineers everywhere discover	Researcher Academy, Elsevier at Egyptian Knowledge Bank	March 31 st 2021
Webinar: Elsevier-NRC Guide Course for Reviewers, Core of Peer Review II	National Research Centre, Cairo, Egypt.	April 1 st 2021
Webinar: Reviewer Report & Decision	National Research Centre, Cairo, Egypt.	April 5 th 2021
Webinar: Peer Review Insights from iScience Editors	Researcher Academy at National Research Centre, Cairo, Egypt.	April 7 th 2021
Webinar: A Guide to Effective Presentations at Academic Conferences	Research Support Centre, Helwan University, Egypt.	April 10 th 2021
Webinar: Strategies for Identifying the Best Journal for Publication	LetPub, Learning Nexus	April 16 th 2021
Webinar: دور البحث العلمي في مواجهة الشائعات والايخار المزيفة على شبكة الانترنت	Research Support Centre, Helwan University, Egypt.	June 19 th 2021
Webinar: Statical analysis in Clinical research	Research Support Centre, Helwan University, Egypt.	July 10 th , 2021
Webinar: Towards a deeper research impact, how can I increase the visibility of my published research?	National Research Centre, Cairo, Egypt.	August 22 nd , 2021
Webinar: How to improve your research output -Expertise from our publishing department?	Researcher Academy & National Research Centre, Cairo, Egypt.	August 25 th , 2021
Webinar: The benefits of being involved in a Special Issue: how to maximize the impact of your research	Hindawi and LetPub Learning Nexus	October 14 th , 2021
Webinar: Life after publication: How to promote your work for maximum impact	Researcher Academy, Egyptian Knowledge Bank, Cairo, Egypt.	December 2 nd , 2023.
Webinar: Staying up-to-date with your research topic	Researcher Academy, Egyptian Knowledge Bank, Cairo, Egypt.	December 3 rd , 2023.
Institutional and programmatic performance indicators	Quality Assurance and Accreditation Centre, Assiut University, Egypt.	October 16 th , 2024
Digital transformation	Quality Assurance and Accreditation Centre, Assiut University, Egypt.	October 23 rd , 2024



Internal quality system	Quality Assurance and Accreditation Centre, Assiut University, Egypt.	October 30 th , 2024
Strategic planning	Quality Assurance and Accreditation Centre, Assiut University, Egypt.	November 6 th , 2024
Course Specification and Course Report	Quality Assurance and Accreditation Centre, Assiut University, Egypt.	November 13 rd , 2024
Program Specification and Program Report	Quality Assurance and Accreditation Centre, Assiut University, Egypt.	November 20 th , 2024
Programmatic accreditation	Quality Assurance and Accreditation Centre, Assiut University, Egypt.	November 27 th , 2024
Governance and Institutional Development	Quality Assurance and Accreditation Centre, Assiut University, Egypt.	December 4 th , 2024
Specifications of a good test and evaluation of the examination paper	Quality Assurance and Accreditation Centre, Assiut University, Egypt.	December 11 rd , 2024
International Accreditation of Higher Education Institutions	Quality Assurance and Accreditation Centre, Assiut University, Egypt.	December 18 th , 2024
Entrepreneurship	Quality Assurance and Accreditation Centre, Assiut University, Egypt.	January 1 st , 2024
Measurement and Evaluation	Quality Assurance and Accreditation Centre, Assiut University, Egypt.	January 8 th , 2024
External Review of Faculties and Institutes of Higher Education	Quality Assurance and Accreditation Centre, Assiut University, Egypt.	January 16 th -18 th , 2024
Crises and Disasters	Quality Assurance and Accreditation Centre, Assiut University, Egypt.	February 12 nd , 2024
Quality Standards for Developing Electronic Tests	Quality Assurance and Accreditation Centre, Assiut University, Egypt.	February 19 th , 2024
Internal Review	Quality Assurance and Accreditation Centre, Assiut University, Egypt.	February 26 th , 2024
Comprehensive quality in institutions of higher education	Quality Assurance and Accreditation Centre, Assiut University, Egypt.	April 16 th , 2025



Quality control is a requirement for quality assurance.	Quality Assurance and Accreditation Centre, Assiut University, Egypt.	April 23 th , 2025
Measuring the learning outcomes of study programmes	Quality Assurance and Accreditation Centre, Assiut University, Egypt.	April 30 th , 2025

7- Conferences			
Date	Theme/Subjects	Conference Title	Location
28-30 October 2025.	Second Category: Transportation and Infrastructure Engineering	4th International Conference on Civil Engineering: Sustainable Construction and Environmental Challenges (ICCE2025, Assiut University)	Hurghada, Egypt
24-27 October 2023.	Second Category: Transportation and Infrastructure Engineering	3 rd International Conference on Civil Engineering: Development & Sustainability (ICCE2023, Assiut University)	Hurghada, Egypt
11-12 May 2022	Traffic and transportation engineering	4 th International Conference on Civil and Environmental Engineering Technology (ICCEET 2022)	University of Kufa, Iraq
30 Oct. – 2 Nov., 2021	Third Category: Transportation and Infrastructure Engineering	2 nd International Conference on Civil Engineering: Recent Applications and Future Challenges (ICCE2021, Assiut University)	Hurghada, Egypt
4/2021	Traffic and transportation engineering	3rd International Conference on Civil and Environmental Engineering Technology (ICCEET 2021)	University of Kufa, Iraq
12/2013	Infrastructure asset areas	International Journal of Pavements Conference	São Paulo, Brazil
7/2008	Quality assurance and accreditation	The first scientific conference of the Faculty of Engineering	Al-Azhar University, Quena Branch,
5/2007	Engineering between theory and practice	The first conference of young researchers	Assiut University, Egypt
4/2007	Sustainable Development	The second conference of environmental engineering	Ain Shams University, Egypt
10/2003	Civil Engineering Science	First International conference of Civil Engineering Science,	Assiut University, Egypt

**8-Publications****8-1 Research Published in International Journals (WOS)**

Year	Title	Journal	(Main/Co-Author)	Volume/ Number/Pages
2026	Evaluation of Crack Propagation in Fiber-Reinforced Rubber Concrete Paving Mixes Under Thermal Cycles and Snowmelt Conditions	International Journal of Pavement Research and Technology	Co-Author	Accepted Feb. 2026, pp. 1-30 https://doi.org/10.1007/s42947-026-00729-2
2026	Prediction and Optimization of Asphalt Mixtures Performance Containing Reclaimed Asphalt Pavement Materials and Warm Mix Agents Using Response Surface Methodology	International Journal of Pavement Research and Technology	Co-Author	Volume 19, pages 381–397, (2026), https://doi.org/10.1007/s42947-024-00464-6
2024	Modeling and design optimization of the performance of stone matrix asphalt mixtures containing low-density polyethylene and waste engine oil using the response surface methodology	Construction and Building Materials	Co-Author	Vol. 446, October 2024, 138037, https://doi.org/10.1016/j.conbuildmat.2024.138037
2023	Evaluation Of Physical-Rheological Properties of Nano Titanium Dioxide Modified Asphalt Binder and Rutting Resistance of Modified Mixture	International Journal of Pavement Research and Technology	Main	Vol. 16 (2), March 2023, pp. 285-303, DOI: https://doi.org/10.1007/s42947-021-00131-0
2023	Effect of Warm Mix Asphalt (WMA) Antistripping Agent on Performance of Waste Engine Oil-Rejuvenated Asphalt Binders and Mixtures	Sustainability	Co-Author	15 (4), Feb. 2023 (3807), https://doi.org/10.3390/su15043807
2022	The effect of glass fibers and waste engine oil on the properties of RAP asphalt concretes	International Journal of Pavement Engineering	Co-Author	23 (14), Dec. 2022, pp. 5227-5238, DOI: https://doi.org/10.1080/10298436.2021.2001815



2022	Rejuvenation of aged asphalt binders by waste engine oil and SBS blend: Physical, chemical, and rheological properties of binders and mechanical evaluations of mixtures	Construction and Building Materials	Co-Author	346, Sep. 2022 (128441), https://doi.org/10.1016/j.conbuildmat.2022.128441
2022	Synergistic effect of SBS copolymers and aromatic oil on the characteristics of asphalt binders and mixtures containing reclaimed asphalt pavement	Construction and Building Materials	Co-Author	327, Apr. 2022 (127026), https://doi.org/10.1016/j.conbuildmat.2022.127026
2022	Waste nanomaterial-modified asphalt for economic and sustainable pavement construction	Innovative Infrastructure Solutions	Co-Author	Volume 7, No 144, Apr. 2022, https://doi.org/10.1007/s41062-021-00737-0
2021	Study on the Effects of Nano Sb ₂ O ₃ on Early and Long-Term Aging Behaviour of Bitumen and Asphalt Mixtures	Ain Shams Engineering Journal	Co-Author	Vol. 12, Issue 4, Dec. 2021, pp. 3531-3542, https://doi.org/10.1016/j.asej.2021.02.041
2021	Short- and Long-Term Properties of Glass Fiber Reinforced Asphalt Mixtures	International Journal of Pavement Engineering,	Main	Vol. 22, Issue 1, Jan. 2021, pp 64-76, DOI: https://doi.org/10.1080/10298436.2019.1577421
2020	Effect of Asphalt Grade and Polymer Type (SBS and EE-2) on Produced PMB's and Asphalt Concrete Mixes Properties	Journal of Materials in Civil Engineering, ASCE	Main	Vol. 32, Issue 12, Dec. 2020, 04020385, DOI: https://doi.org/10.1061/(ASCE)MT.1943-5533.0003479
2020	Evaluating Mechanical Properties of Bitumen and Hot Mix Asphalt Modified with Nano Ferric Oxide	Construction and Building Materials	Co-Author	234, Feb. 2020, pp. 1-13, DOI: https://doi.org/10.1016/j.conbuildmat.2019.117381
2019	Influence of aging on properties of polymer-modified asphalt	Construction and Building Materials	Co-Author	196, Jan. 2019, pp. 54-65, DOI: https://doi.org/10.1016/j.conbuildmat.2018.11.105
2016	A Conditioning Method to Evaluate Moisture Influence on the Durability of Asphalt Mixture Materials	Canadian Journal of Civil Engineering	Co-Author	Vol. 43, No. 11, Nov. 2016, pp. 943-948, DOI: https://doi.org/10.1139/cjce-2016-0153
2015	Twin Tunnels Configuration of the Greater Cairo Metro Line No. 4	Computers and Geotechnics	Co-Author	Vol. 68, July 2015, pp. 66-77, DOI: https://doi.org/10.1016/j.compgeo.2015.03.015



8-2 Research Published in International Journals (Scopus)				
Year	Title	Journal	(Main/ Co- Author)	Volume/ Number/Pages
2026	Evaluation of Crack Propagation in Fiber-Reinforced Rubber Concrete Paving Mixes Under Thermal Cycles and Snowmelt Conditions	International Journal of Pavement Research and Technology	Co-Author	Accepted Feb. 2026, pp. 1-30 https://doi.org/10.1007/s42947-026-00729-2
2026	Prediction and Optimization of Asphalt Mixtures Performance Containing Reclaimed Asphalt Pavement Materials and Warm Mix Agents Using Response Surface Methodology	International Journal of Pavement Research and Technology	Co-Author	Volume 19, pages 381–397, (2026), https://doi.org/10.1007/s42947-024-00464-6
2026	Development of Low-Noise and Low-Emission Hybrid Fiber-Reinforced Rubberized Paving Concrete Mix	JES. Journal of Engineering Sciences	Co-Author	Vol. 54, No. 1, Jan. 2026, https://doi.org/10.21608/jesaun.2025.390854.1532
2025	Thermo-Mechanical Properties Evaluation of Fiber-Reinforced Rubberized Concrete Mixes for Airfield Pavements	JES. Journal of Engineering Sciences	Co-Author	Vol. 53, No. 6, Sept. 2025, https://doi.org/10.21608/jesaun.2025.389293.1531
2025	Liquid Nano-acrylic Co-Polymer as Additives with Cement and Hydrated Lime for Stabilizing Highway Subgrade Silty Soil	JES. Journal of Engineering Sciences	Main	Vol. 53, No. 3, Pp. 96-110, May 2025, https://doi.org/10.21608/JESAUN.2025.358565.1424
2025	Evaluation of Asphalt Overlay Properties on Reflection Cracking Behavior of Composite Pavement Using Finite Element Modeling	JES. Journal of Engineering Sciences	Co-Author	Vol. 53, No. 1, Pp. 23 - 37, Jan. 2025, https://doi.org/10.21608/jesaun.2024.320186.1367
2024	THE EFFECT OF SBR LATEX AND WARM MIX AGENT ON THE PERFORMANCE OF	Kufa Journal of Engineering	Co-Author	Vol. 15 (4), November 2024, pp. 141-156, https://doi.org/10.30572/2018/KJE/150410



	DRY AND WET ASPHALT MIXTURES			
2024	Modeling and design optimization of the performance of stone matrix asphalt mixtures containing low-density polyethylene and waste engine oil using the response surface methodology	Construction and Building Materials	Co-Author	Vol. 446, October 2024, 138037, https://doi.org/10.1016/j.conbuildmat.2024.138037
2023	Performance grade of asphalt binder modified with waste plastic and rubber	AIP Conference Proceedings	Co-Author	Vol. 2775 (1), 060017, July 2023, doi: https://doi.org/10.1063/5.0161205
2023	Experimental-numerical model of permanent deformation in asphalt paving mixtures modified with waste plastic and rubber	AIP Conference Proceedings	Co-Author	Vol. 2775 (1), 060015, July 2023, doi: https://doi.org/10.1063/5.0140884
2023	Evaluation Of Physical-Rheological Properties of Nano Titanium Dioxide Modified Asphalt Binder and Rutting Resistance of Modified Mixture	International Journal of Pavement Research and Technology	Main	Vol. 16 (2), March 2023, pp. 285-303, DOI: https://doi.org/10.1007/s42947-021-00131-0
2023	Effect of Warm Mix Asphalt (WMA) Antistripping Agent on Performance of Waste Engine Oil-Rejuvenated Asphalt Binders and Mixtures	Sustainability	Co-Author	15 (4), Feb. 2023 (3807), https://doi.org/10.3390/su15043807
2022	The effect of glass fibers and waste engine oil on the properties of RAP asphalt concretes	International Journal of Pavement Engineering	Co-Author	23 (14), Dec. 2022, pp. 5227-5238, DOI: https://doi.org/10.1080/10298436.2021.2001815
2022	Assessment of risk factors causing delays in road construction in Egypt	IOP Conference Series: Materials Science and Engineering	Co-Author	1269 (Nov. 2022) 012007, https://doi.org/10.1088/1757-899X/1269/1/012007
2022	Rejuvenation of aged asphalt binders by waste engine oil and SBS blend: Physical, chemical, and rheological properties of	Construction and Building Materials	Co-Author	346, Sep. 2022 (128441), https://doi.org/10.1016/j.conbuildmat.2022.128441



	binders and mechanical evaluations of mixtures			
2022	Synergistic effect of SBS copolymers and aromatic oil on the characteristics of asphalt binders and mixtures containing reclaimed asphalt pavement	Construction and Building Materials	Co-Author	327, Apr. 2022 (127026), https://doi.org/10.1016/j.conbuildmat.2022.127026
2022	Waste nanomaterial-modified asphalt for economic and sustainable pavement construction	Innovative Infrastructure Solutions	Co-Author	Volume 7, No 144, Apr. 2022, https://doi.org/10.1007/s41062-021-00737-0
2021	Study on the Effects of Nano Sb ₂ O ₃ on Early and Long-Term Aging Behaviour of Bitumen and Asphalt Mixtures	Ain Shams Engineering Journal	Co-authored	Vol. 12, Issue 4, Dec. 2021, pp. 3531-3542, https://doi.org/10.1016/j.asej.2021.02.041
2021	Sustainability of using reclaimed asphalt pavement: based-reviewed evidence	Journal of Physics Conference Series	Main	1973(1), August 2021, pp 012242, DOI: https://doi.org/10.1088/1742-6596/1973/1/012241
2021	A laboratory study of the effect of fiberglass additive on the behavioural properties of RAP asphalt mixtures	Journal of Physics Conference Series	Co-Author	1973(1), August 2021, pp 012241, DOI: https://doi.org/10.1088/1742-6596/1973/1/012241
2021	Evaluation of Hot Mix Asphalt and Binder Performance Modified with High Content of Nano Silica Fume	Journal of Engineering Sciences, Faculty of Engineering – Assiut University, Egypt.	Co-Author	Vol. 49, No. 4, pp. 378- 399, DOI: https://doi.org/10.21608/jesaun.2021.70733.1046
2021	Short- and Long-Term Properties of Glass Fiber Reinforced Asphalt Mixtures	International Journal of Pavement Engineering,	Main	Vol. 22, Issue 1, Jan. 2021, pp 64-76, DOI: https://doi.org/10.1080/10298436.2019.1577421
2020	Effect of Asphalt Grade and Polymer Type (SBS and EE-2) on Produced PMB and Asphalt Concrete Mixes Properties	Journal of Materials in Civil Engineering, ASCE	Main	Vol. 32, Issue 12, Dec. 2020, 04020385, DOI: https://doi.org/10.1061/(ASCE)MT.1943-5533.0003479



2020	Evaluating Mechanical Properties of Bitumen and Hot Mix Asphalt Modified with Nano Ferric Oxide	Construction and Building Materials	Co-Author	234, Feb. 2020, pp. 1-13, DOI: https://doi.org/10.1016/j.conbuildmat.2019.117381
2020	Using of VHR satellite images for road network extraction in Egypt	Journal of Engineering Sciences, Faculty of Engineering – Assiut University, Egypt.	Co-Author	Vol. 48, No. 1, pp. 20-31, Jan. 2020, https://doi.org/10.21608/jesaun.2020.109051
2019	Influence of aging on properties of polymer-modified asphalt	Construction and Building Materials	Co-Author	196, Jan. 2019, pp. 54-65, DOI: https://doi.org/10.1016/j.conbuildmat.2018.11.105
2018	Investigating Influence of Mineral Filler at Asphalt Mixture and Mastic Scales.	International Journal of Pavement Research and Technology	Co-Author	Vol. 11, Issue 3, May 2018, pp. 213-224, DOI: https://doi.org/10.1016/j.ijprt.2017.10.008
2017	Characteristics of Asphalt Binder and Mixture Containing Nanosilica,	International Journal of Pavement Research and Technology	Main	Vol. 10, Issue 2, Mar. 2017, pp. 148-157, DOI: https://doi.org/10.1016/j.ijprt.2016.11.009
2016	A Conditioning Method to Evaluate Moisture Influence on the Durability of Asphalt Mixture Materials	Canadian Journal of Civil Engineering	Co-Author	Vol. 43, No. 11, Nov. 2016, pp. 943-948, DOI: https://doi.org/10.1139/cjce-2016-0153
2015	Twin Tunnels Configuration of the Greater Cairo Metro Line No. 4	Computers and Geotechnics	Co-Author	Vol. 68, July 2015, pp. 66-77, DOI: https://doi.org/10.1016/j.compgeo.2015.03.015
2015	Seismic analysis of urban tunnel systems for the greater Cairo metro line No. 4	Electronic Journal of Geotechnical Engineering	Co-Author	Vol. 20, Issue 10, 2015, pp. 4207-4222,
2014	Analysis of different Loads Affecting the Urban Railway Tunnel Systems of Cairo Metro Underneath the River Nile	Electronic Journal of Geotechnical Engineering,	Co-Author	Vol. 19, Issue Z1, 2014, pp. 9739-9754.



8-3 Papers published in Accredited Journals (Local Journals)				
Year	Title	Journal	(Main/ Co-Author)	Volume/ Number/Pages
2022	Effects of waste engine oil and crumb rubber rejuvenator on the performance of 100% RAP binder	Journal of Innovative Transportation	Co-Author	Volume 3, Issue 1, 2022, pp. 8-15, DOI: https://doi.org/10.53635/jit.1072888
2021	Temperature sensitivity and performance evaluation of asphalt cement incorporating different types of waste polymers	Journal of Innovative Transportation	Main	Volume 2, Issue 2, 2021, DOI: https://doi.org/10.53635/jit.984159
2013	The optimum airport runway orientation for different regions in Egypt	Journal of Engineering Sciences, Faculty of Engineering – Assiut University, Egypt.	Co-Author	Vol. 41, No. 6, Nov. 2013, pp. 2126-2139, DOI: https://doi.org/10.21608/JES AUN.2013.112514
2011	Evaluation and analysis of urban passengers transport modes operation performance & efficiency	Journal of Engineering Sciences, Faculty of Engineering – Assiut University, Egypt.	Co-Author	Vol. 39, March 2011, pp. 283-299, DOI: https://doi.org/10.21608/JES AUN.2010.112515
2011	Investigation in selecting the optimum airport runway orientation with special reference to Egyptian airports	Journal of Engineering Sciences, Faculty of Engineering – Assiut University, Egypt.	Co-Author	Vol. 39, No. 6, Nov. 2011, pp. 1261-1280, DOI: https://doi.org/10.21608/JES AUN.2011.112516
2006	Factors Affecting the Stability of Highway Side Slopes “Case study: Roads adjacent water ways in Upper Egypt	Journal of Engineering Sciences, Faculty of Engineering – Assiut University, Egypt.	Co-Author	Vol. 34, No. 6, Nov. 2006, pp. 1765-1785, DOI: https://doi.org/10.21608/JES AUN.2006.111145
1995	Structural behaviour of highway rigid pavement using finite element method	Faculty of Engineering and Technology Journal, Matria, Helwan University, Egypt.	Co-Author	June 1995

8-4 Papers Published in Refereed/Accredited Conference Proceedings



Year	Title	Conference	(Main/Co-Author)	Pages
2023	Using reclaimed asphalt pavement for sustainable development of highway construction: Article review	3rd International Conference on Civil Engineering: Development & Sustainability (ICCE23, Assiut University), Hurghada, Egypt, 24-27 October, 2023.	Main	1036-ICCE23, page 242 – 265. https://conferences.ekb.e/article_1971.html
2023	Performance grade of asphalt binder modified with waste plastic and rubber	The fourth International Conf. on Civil and Environmental Eng. Technologies 11 12-May 2022 Kufa, Iraq.	Co-Author	AIP Conference Proceedings: Vol. 2775 (1), 060017, July 2023, doi: https://doi.org/10.1063/5.0161205
2023	Experimental-numerical model of permanent deformation in asphalt paving mixtures modified with waste plastic and rubber	The fourth International Conf. on Civil and Environmental Eng. Technologies 11 12-May 2022 Kufa, Iraq.	Co-Author	AIP Conference Proceedings: Vol. 2775 (1), 060015, July 2023, doi: https://doi.org/10.1063/5.0140884
2022	Assessment of risk factors causing delays in road construction in Egypt	36 th Eg-MRS International Conference, 24-25 September 2022, Cairo, Egypt	Co-Author	1269 (Nov. 2022) 012007, https://doi.org/10.1088/1757-899X/1269/1/012007
2021	Predicted pavement Performance of Asphalt Paving Modified with High Content of Nanosilica Fume Based on Egyptian Conditions	2 nd International Conference on Civil Engineering: Recent Applications and Future Challenges (ICCE2021, Assiut University)	Co-Author	1038-ICCE2, page 59, 10 pages
2021	Sustainability of using reclaimed asphalt pavement: based-reviewed evidence	3 rd International Conference on Civil and Environmental Engineering Technology, (ICCEET 2021) Kufa, Iraq	Main	IOP Conf. Series: Journal of Physics Conference Series 1973(1):012242, DOI: https://doi.org/10.1088/1742-6596/1973/1/012242
2021	A laboratory study of the effect of fiberglass additive on the behavioural properties of RAP asphalt mixtures	3 rd International Conference on Civil and Environmental Engineering Technology, (ICCEET 2021) Kufa, Iraq	Co-Author	IOP Conf. Series: Journal of Physics Conference Series 1973(1):012241, DOI: https://doi.org/10.1088/1742-6596/1973/1/012241
2013	Effect of Moisture Conditioning on Creep Compliance and	International Journal of Pavements Conference, IJPC, São Paulo, Brazil.	Co-Author	Paper 200-1



	Resilient Modulus of Asphalt Concrete			
2013	Wettability, Surface Tension and Surface Free Energy Behavior of Short-term Aging and Liquid Antistrips Modified HMA Binders	International Journal of Pavements Conference, IJPC, São Paulo, Brazil.	Co-Author	Paper 199-1
2003	Effect of Critical State hardening modelling on stability of slopes,	First International Conference of Civil Engineering Science, Faculty of Engineering, Assiut University	Main	Paper 95

8-5 Dissertation & Thesis authored.

Year	Title	Publisher	Country	Number of Pages
2004	Elasto-plastic Critical State Model with strain localization in soil structures, Ph.D. Dissertation	University of Innsbruck	Austria	267
1994	An Investigation of structural behaviour of rigid pavement using finite element method, M.Sc. Thesis	Assiut University	Egypt	185

8-6 Scientific Review

Dr. Enieb has frequently been invited by different prestigious journals to review papers.

<https://publons.com/researcher/1640782/mahmoud-enieb/>

- a. Editor of Journal of Inventive Transportation, Turkey, since June 2020.
- b. Editorial board of International Journal of Pavement Research and Technology, 2021
- c. Going-peer-review-certificate from Elsevier Researcher Academy, Feb. 2021.
- d. Becoming a peer reviewer from Elsevier Researcher Academy, Feb. 2021.
- e. Reviewer Certificate from Elsevier Researcher Academy, Feb. 2021
- f. Reviewer Certificate from Peeref Institute, Jan. 2021.
- g. Elsevier Reviewer Hub, We're grateful for your peer review in 2020.
- h. Reviewer summary for manuscripts reviewed from the date range Jan. 2018 – up till now.
VERIFIED REVIEWS (127 reviews) as follows:
 - (17) Construction and Building Materials
 - (9) Journal of Engineering Sciences
 - (14) International Journal of Pavement Research and Technology
 - (10) International Journal of Pavement Engineering
 - (2) Arabian Journal for Science and Engineering
 - (12) Journal of Materials in Civil Engineering (ASCE)
 - (11) International conference on civil and environmental engineering technology



- (2) International conference on new materials and chemical industry (NMCI)
- (4) International Conference on Civil Engineering Recent Applications and Future Challenges
- (3) Applied Sciences
- (1) Materials
- (1) Results in Engineering
- (1) Sustainability
- (1) Transportation Research Interdisciplinary Perspectives
- (1) Road Materials and Pavement Design
- (1) Canadian Journal of Civil Engineering
- (1) International advanced researchers and engineering journal
- (1) International Conference on Mechanical, Electric and Industrial Engineering
- (1) Suranaree Journal of Science and Technology

9- Memberships in Professional Organizations

Name of Organization	Country	Year
Engineering Syndicate of Egypt	Egypt	Since 1989
Centre of Studies and Consulting Engineering	Assiut University	Since 2004
Expert in General Organization for Physical Planning, in the division of highways and transportation studies.	Egypt	Since 2005
Consultant Engineer in the Transportation Ministry, in the Field of "highway studies".	Egypt	Since 2006
Consultant Engineer in the Field of "Design of Highways and Airports Engineering", Engineering Syndicate of Egypt, Civil Department	Egypt	Since 2006
Consultant Engineer in the Field of "Geotechnical Engineering", Engineering Syndicate of Egypt, Civil Department.	Egypt	Since 2009

10- Committees

Committee	Name of Organization	Dates
Coordinator of civil engineering Dept. (Quality assurance and accreditation)	Faculty of Engineering, Assiut University	May 2006 to June 2014
Academic Supervisor of scientific society (Engineering for life)	Faculty of Engineering, Assiut University	June 2014 to Sept. 2017



Graduation project Committee of Civil Engineering Dept.	Faculty of Engineering, Al-Ahliyya Amman University	Oct. 2017 to June 2018
Scientific Research Committee of Civil Engineering Dept.	Faculty of Engineering, Al-Ahliyya Amman University	March 2018 up till 2021
Promotion and appointment Committee of Civil Engineering Dept.	Faculty of Engineering, Al-Ahliyya Amman University	Sept. 2018 up till 2021
Higher Studies Committee of Civil Engineering Dept.	Faculty of Engineering, Al-Ahliyya Amman University	Sept. 2018 up till Jan. 2020
Higher Studies Committee of the Faculty of Engineering	Assiut University	Sept. 2022 up till Aug. 2023.
Member of the Financial Committee of the Civil Engineering Department Conference ((ICCE23, Assiut University), Hurghada, Egypt, 24-27 October 2023.)	Assiut University	Feb. 2023 up till Nov. 2023.
Administrative coordinator for holding scientific seminars in the Civil Engineering Department	Assiut University	Feb. 2023 up till now
Member of the admission examination committee for doctoral registration for public works in the Department of Civil Engineering	Assiut University	Sept. 2023 to Aug.2024
Cultural Relations Committee of the Faculty of Engineering	Assiut University	Sept. 2024 to Sept. 2025
Member of the Faculty of Engineering Council	Assiut University	Sept. 2025 up till now

11- Awards & Reward

Award	Institution	Year
External scholarship (Financial support)	Egyptian government	2000
Scientific publishing Scopus of distinguished research.	Al-Ahliyya Amman University	2019, 2020 & 2021
Scopus citation of Scientific Publishing	Al-Ahliyya Amman University	2020
Scientific publishing in WOS of distinguished research.	Assiut University	2020 & 2021, 2022, 2023, 2024

**12- Research Interests**

Recycling asphalt pavement (RAP) and using it in the asphalt industry.

Testing and instrumentation of asphaltic materials.

Asphalt modeling and asphalt mixture.

Asphalt rheology, Nanotechnology in asphalt concrete

Uses of polymer, fiber, and nanomaterials in improving the properties of asphalt materials and mixtures.

Intelligent transportation systems (ITS).

13- Social Activities & Interests**Brief Professional Profile****Prof. Dr. Mahmoud Enieb Osman**

Consultant – Highway & Airport Engineering and Geotechnical Engineering
Professor of Highway and Traffic Engineering, Civil Engineering Department, Faculty of Engineering, Assiut University

Consulting Affiliation: Al-Nada Engineering Consultancy (NEC), Nag Hammadi, Qena, Egypt
Engineering Studies and Consultancy Center – Faculty of Engineering – Assiut University.

Mobile / WhatsApp / Telegram: +20 100 287 8440

Areas of Consulting Expertise

- **Highway planning and design** for expressways and new-city road networks (dualization, upgrading, rehabilitation, capacity improvement).
- **Traffic engineering and operations** (operational studies, access management—entries/exits, parking/garages, road safety improvement solutions).
- Preparation of **tender documents**, technical specifications, bills of quantities, and **detailed/executive drawings**.
- **Construction supervision and quality control** for pavement layers and construction materials.
- **Geotechnical engineering:** boreholes and soil investigations, soil reports, foundation recommendations, in-situ and laboratory testing (compaction, plate load test, etc.).

Major Relevant Project Experience**1) Highway and Traffic Engineering**

- **Technical & Economic Feasibility Study – Qena / Luxor Road Link**
Commissioned by the General Authority for Roads, Bridges and Land Transport (direct assignment 16/07/2006). Technical feasibility report for extending the road up to Luxor Nile Bridge (Nov 2006).



- **Dual Carriageway Highway (Two-Way) – Sohag City to New Sohag City**
Design, tender documents, BOQ, and construction supervision (Hassan Allam).
- **Outer Ring Road – El Quseir City, Red Sea Governorate**
Design and detailed/executive drawings (El Nile Desert Roads Co.).
- **Dualization of Highway – New Sohag City to the Western Desert Road**
Planning, design, and preparation of technical specifications (El Nile Desert Roads Co.).
- **Assiut University Road Network – New Assiut City**
Design, specifications, and construction supervision (Arab Contractors).
- **Road Projects in New Sohag City**
Design of several primary roads (9 km link + 6 km link), sections of the New Sohag–Sohag International Airport road, and internal road networks (New Sohag City Authority).
- **Strategic Urban Road Networks and Plazas – Participation National consultant** of planning and design of highway, traffic, parking area, and railway station for Qous, Nagada, Quena Governorate, Sahel Slim, Badary, Assiut Governorate, and Monsha, Sakolta, Sohag Governorate, Egypt, with an agreement with the United Nations Development Program UN-HABITAT (United Nations Human Settlements Program) from 2008 to 2011
- **Supervision of Road Works (Central Zone) – Railway Crossing Upgrading Program**
Egyptian National Railways (priority program).
- **Traffic Organization inside Assiut Cement Plants**
Technical study for planning accesses and connection to Assiut–El Wadi El Gedid Road (with Assiut University).
- **Quality Control Reports – Road Works in Qena Governorate**
Field compaction, soil suitability, and asphalt sample analysis for multiple roads (Qena Directorate of Roads and Transport).
- **Parking and Garage Requirements / Compliance Studies**
Technical reports for garage requirements (including garage for Counselor Mohamed El-Morghany Building, El-Namis St., Assiut) and planning of garages in Alexandria and Assiut.
- **Participation in Road Network Design – “Ibni Beitaq” Housing Project, New Aswan**
- **Executive Drawings for Underpasses/Passages and Drainage Works**
Pedestrian/vehicle culverts and stormwater drainage within the **Haramain High-Speed Rail** Project (Makkah–Jeddah–Madinah), in cooperation with MASCO (Saudi Arabia).
- **Member, Road Safety Improvement Committee – Cairo / Aswan Agricultural Road**
As per Minister of Transport Decree No. 45 (Amended), dated 23/02/2012: assessment of current conditions, review of geometric features and traffic volumes, identification of high-accident locations, and development of short-, medium-, and long-term solutions.
- **Consultant, Assiut Governorate Directorate of Roads and Transport**
Road construction/maintenance/paving within the advisory committee at the Engineering Studies & Consultancy Center, Assiut University (estimated 50–100 km/year).

2) Geotechnical and Structural Engineering

- **Soil Investigation & Foundation Recommendations – Main Lifting Station, Dar El Salam (Sohag)**



Submitted to the National Organization for Potable Water and Sanitary Drainage (Apr 2015). Contractor: Arab Contractors.

- **Soil & Foundation Report – Khazam Village Bank (Qus, Qena)**
Bank for Development and Agricultural Credit, Qena.
- **Soil & Foundation Reports – Main Pumps and Filter-Wash Station, West Gerga (Sohag)**
Within a farm project utilizing treated wastewater.
- **Soil & Foundation Report – Conference Hall, Misr Aluminium Club (Nag Hammadi)**
- **Plate Load Tests – Underground Tank, Baraka Village (Nag Hammadi)**
Test result reports (including works for Arab Contractors).
- **Soil & Foundation Reports for Housing and Development Projects**
New Nag Hammadi City; New Nag El-Hag Salam Village (Farshout); New Belad El-Mal Village (Abo Tesht).
- **Soil & Foundation Report – Tourist Complex, Hurghada**
- **Soil & Foundation Report – Residential Tower, El-Darb (Nag Hammadi)**
- **Compaction Control Reports for Replacement Layers (Multiple Projects)**
Including a mosque and residential buildings in Baraka Village (Misr Aluminium Co.).
- **Former Consultant – Educational Buildings Authority (Sohag)**
School condition assessment and rehabilitation solutions for foundations and structural elements (columns, beams, slabs, walls).

3) Sanitary Drainage Works

- **Design, Review, Final Drawings, and Periodic Supervision – Sanitary Sewerage Project**
For Al-Ablaq and Fez villages, Sedfa Center, Assiut Governorate. Contracted with Arab Contractors on 01/08/2009; estimated project value at the time: EGP 30 million.

Services Provided by Al-Nada Engineering Consultancy (Under His Supervision)

- Manual and mechanical boreholes; **soil investigation and foundation reports**.
- Planning, design, and supervision of **road and railway networks**.
- Preparation of **tender documents**, technical specifications, calculation notes, and **bills of quantities**.
- **Materials testing** for roads and structures; quality control during construction.
- Asphalt mix design/review (**Marshall**) and related tests (extraction and aggregate gradation).
- Field testing: **compaction, in-situ density, CBR**, pavement layer investigations, **Schmidt hammer** for concrete, and others.



14- Languages	
Arabic	Mother language
English	Education, teaching, research
German	Level III
French	Second language in secondary school

Date: May 2026

I confirm that the given information is accurate and correct.

Mahmoud Enieb, Ph. D.

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Faculty of Engineering, Assiut University,
Assiut 71516, Egypt.

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Signature

Mahmoud Enieb Osman