



Curriculum Vitae for Faculty Members

| 1-Personal Details | | | | | |
|---|---|----------------------|----------------------|------------------|--|
| Position | Professor (full) | Name (English) | Mahmoud Enieb | | |
| | | Name (Arabic) | محمود عنيب | | |
| General Field | Civil Engineering | | | | |
| Specialization field | Highways and Traffic Engineering | | | | |
| Number of Years of experience | 33 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 English | https://www.aun.edu.eg/engineering/mahmoud-enieb-osman-enieb | | | | |
| Assiut Web Arabic | http://www.aun.edu.eg/engineering/ar/user/6762 | | | | |
| Google Scholar | https://scholar.google.com.eg/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 | | | | |
| Orcid | https://orcid.org/0000-0001-5509-0849 | | | | |
| Scopus ID | https://www.scopus.com/authid/detail.uri?authorId=56595289300 | | | | |
| h-index | 12 (Google Scholar), 12 (Research Gate), 11 (Scopus), 8 (WOS) | | | | |
| 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 (Courses exams) | | | | | |
| <ol style="list-style-type: none"> 1. German as a foreign language, 6 hrs. 2. Statistics in Transportation, 3 hrs. 3. Road planning, 4 hrs. 4. Finite Element I, 4 hrs. 5. Finite Element II, 3 hrs. 6. Programming language, 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 | Highway Engineering Very good 82.66% | | |
| Confirmation of academic success (Courses exams) | | | | | |
| <ol style="list-style-type: none"> 1. Planning and design of highway 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 honor's degree (81.56%) (The second) | | |
| Confirmation of academic success (Courses exams) | | | | | |
| <ol style="list-style-type: none"> 1. 79 hrs, lectures form Oct. to May during Oct. 1984 to May 1989 \approx 158 Credit hours 2. 75 hrs, Practical exercise and Labs. form Oct. to May during 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 | |
| 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 on a Certificate of Quality Assurance and Accreditation, 2011. |
| 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). Consistency 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 highway 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 and administrative supervision of laboratory technicians and employees |
| 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 of postgraduate studies according to the reference framework for graduate studies 2020 issued by the engineering sector, 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 | Up till now | 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 Engineering Program | Benha National University, Obour. | 4/2024 | The application file for the position of Director of the 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 position of professor and associate professor specializing in highway and traffic engineering - Public Works Engineering Committee - Supreme Council of Universities, EG. |

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 helping in teaching undergraduate student |
| Assistant Lecture | Assiut University | 12/1994 | 3/2004 | Researcher and helping in teaching undergraduate student |



| | | | | |
|--------------------|--|-----------|-------------|---|
| Assistant Prof. | Assiut University | 3/2004 | 1/2018 | Researcher and teaching undergraduate and postgraduate student |
| 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 student |
| Associate Prof. | Al-Ahliyya Amman University | 2/2018 | 8/2021 | Researcher and teaching undergraduate and postgraduate (Intelligent Transportation System (ITS)) students |
| Associate Prof. | Assiut Uni | 1/2018 | 31/8/2021 | On leave |
| Associate Prof. | Assiut Uni | 1/9/2021 | 27/2/2023 | Researcher and teaching undergraduate and postgraduate student |
| Professor (full) | Assiut Uni | 28/2/2023 | Up till now | Researcher and teaching undergraduate and postgraduate student |

| 5-1 Courses Taught (for Undergraduate students) | | | | |
|---|-------------------|-------|------|--|
| Position/Post title | Name of Employer | Dates | | Duties |
| | | From | To | |
| | | Year | Year | |
| Demonstrator, Assistant Lecture | 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-Ahlyyia 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, 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-Kuther, Suhag, Egypt. |

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 | Dr. 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 | Dr. 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 |
| Investigating the Effect of Reflection Cracks on Asphalt Pavement Overlay Layer Using Finite Element Method, M.Sc. thesis under publication, Faculty of Engineering, Assiut University, Assiut, Egypt | Eng. Mohamed Gamal | Assiut University |
| Assessment of risk factors causing delays and cost overrun for road erection in Egypt, M.Sc. thesis under publication, Faculty of Engineering, Assiut University, Assiut, Egypt | Eng. Mina Majid | Assiut University |

5-5 Scientific theses that were peer-reviewed

| Thesis Name | Student name | Organization |
|--|----------------------------|----------------------------------|
| Rheological Studies on Identification of New Rutting Parameters for Unmodified Bitumen, Ph. D. thesis, 2019. | Syed Mubashirhus-sain | National Institute of Technology |
| 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 |



| 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" | 06/ 2024 |
| Self-Evaluation: Faculties and Institutes of Higher Education | The National Authority for Quality Assurance and Accreditation of Education "NAQAAE" | 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" | 07/ 2024 |
| Teaching Strategies and Effective Learning: Faculties and Institutes of Higher Education | The National Authority for Quality Assurance and Accreditation of Education "NAQAAE" | 07/ 2024 |



| | | |
|--|--|----------|
| Exams and Students' Assessment Systems: Faculties and Institutes of Higher Education | The National Authority for Quality Assurance and Accreditation of Education "NAQAAE" | 07/ 2024 |
| External Review: Faculties and Institutes of Higher Education | The National Authority for Quality Assurance and Accreditation of Education "NAQAAE" | 07/ 2024 |

| 6-1 Workshop | | |
|---|--|--|
| Course Title | Organization | Date |
| Letters 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 on 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 Center, 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 Center, 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 Center, Cairo, Egypt. | October 4 th - 5 th 2020 |



| | | |
|--|--|---|
| Webinar: How to write a Wining Grant Proposal? | National Research Center, Cairo, Egypt. | October 4 th - 5 th 2020 |
| Webinar: Enhance your Research with Elsevier: Discover the Solutions | National Research Center, 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 Center, Cairo, Egypt. | October 13 th - 14 th 2020 |
| Webinar: Terms and concepts towards scientific research marketing | National Research Center, Cairo, Egypt. | October 21 st - 22 nd 2020 |
| Webinar: Enhance your Research with Elsevier: How Mendeley can Enhance your research? | National Research Center, Cairo, Egypt. | October 25 th 2020 |
| Webinar: COVID-19 Knowledge Vs Protection. كوفيد-19 بين المعرفة و الوقاية | National Research Center, Cairo, Egypt. | October 26 th 2020 |
| Webinar: Protective Face Mask for Covid-19 an Engineering concept | National Research Center, Cairo, Egypt. | October 27 th 2020 |
| Webinar: شرح لائحة الدورة الثالثة عشر لترقية اعضاء هيئة التدريس الجزء الاول والثاني والمناقشة الحرة | Research Support Center, 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 Center, 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 Center, Cairo, Egypt. | November 5 th 2020 |
| Webinar: Impact of Nutrition in Enhancement of Immunity During and Post COVID-19 | National Research Center, Cairo, Egypt. | November 8 th 2020 |
| Webinar: Food and it's Safety in After Corona | National Research Center, Cairo, Egypt. | November 10 th 2020 |
| Webinar: The Era of (COVID-19) & Food Industry Impact & lessons | National Research Center, 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 Center, Cairo, Egypt. | November 19 th 2020 |
| Webinar: STDF Funding Grants & How to Match Call Guidelines Requirements | National Research Center, 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 Center, Cairo, Egypt. | November 26 th 2020 |
| Webinar: Enhance your Research with Elsevier: Funding Institutional - Onboarding | National Research Center, Cairo, Egypt. | December 3 rd 2020 |
| Webinar: How to Design a Scientific Poster? | Research Support Center, Helwan University, Egypt. | December 5 th 2020 |
| Webinar: Nature Research Academies Workshop Logical Manuscript Structure | Nature Research Academies with collaboration of Egyptian Knowledge Bank. | December 6 th 2020 |
| Webinar: Nature Research Academies Workshop Journal Editor 1 | Nature Research Academies with collaboration of Egyptian Knowledge Bank. | December 6 th 2020 |
| Webinar: Scientific and Academic Cooperation Funding Opportunities (Embassy of France in Egypt – Institute Francais d’Egypt) | National Research Center, Cairo, Egypt. | December 10 th 2020 |
| Webinar: Academic Social Networks and Research Ranking | Research Support Center, Helwan University, Egypt. | December 12 th 2020 |
| Webinar: Enhance your Research with Elsevier: How Elsevier support Engineering Research | National Research Center, 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 Center, 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-Ahlyia Amman University | Al-Ahlyia Amman Uni., Jordan. | December 17 th 2020 |
| Webinar: SWOT analysis | Al-Ahlyia Amman Uni., Jordan. | December 18 th 2020 |
| Webinar: What clinicians should know about statistics? (How to incorporate statistics in your research) | Research Support Center, Helwan University, Egypt. | December 19 th 2020 |
| Webinar: Role of the Central Laboratories Network and Centers of Excellence at the National Research Centre to Provide Emerging Technologies to the Scientific Society. | Research Support Center, Helwan University, Egypt. | December 20 th -22 nd 2020 |
| Webinar: Enhance your Research with Elsevier: Author Workshop: How to Publish an eBook. | National Research Center, Cairo, Egypt. | December 22 nd 2020 |



| | | |
|--|--|--------------------------------|
| Webinar: Research Metrics Tracking & Measuring the Impact of your Research | Research Support Center, Helwan University, Egypt. | December 26 th 2020 |
| Webinar: Enhance your Research with Elsevier SciVal | National Research Center, 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 Center, Cairo, Egypt. | Jan 12 nd 2021 |
| Webinar: Enhance your Research with Elsevier: How to Improve R&D Productivity with Reaxys? | National Research Center, 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 Center, 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 Center, Helwan University, Egypt. | Jan. 30 th 2020 |
| Webinar: Enhance your Research with Elsevier: "Making the Most out of Author Profiles on Scopus" | National Research Center, 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 Center) 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 Center, 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 Center, 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 Center, Helwan University, Egypt. | Feb. 27 th 2020 |
| Webinar: Benchmark and Analyze your research output using Incites B&A | National Research Center, Cairo, Egypt. | March 1 st 2021 |
| Webinar: Innovation, IP and their importance to Scientific Research | National Research Center, Cairo, Egypt. | March 9 th 2021 |
| Webinar: Elsevier-NRC Guide Course for Reviewers, Introduction to Peer Review and General Aspects | National Research Center, 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 Center, Helwan University, Egypt. | March 20 th 2021 |
| Webinar: Elsevier-NRC Guide Course for Reviewers, Initial Handling of a Manuscript & Essential Ethical Aspects | National Research Center, Cairo, Egypt. | March 22 nd 2021 |
| Webinar: نظام إدارة التعلم وإنتاج المقررات الإلكترونية ذاتياً Learning Management System | المركز القومي للتعليم الإلكتروني بمركز الخدمات الإلكترونية والمعرفية بالمجلس الأعلى للجامعات ومكتب اليونسكو الإقليمي للعلوم في الدول العربية بالقاهرة واللجنة الوطنية لليونسكو | March 25 th 2021 |
| Webinar: Elsevier-NRC Guide Course for Reviewers, Elsevier Resources & Training for Reviewers | National Research Center, Cairo, Egypt. | March 25 th 2021 |
| Webinar: Scientific Manuscript Formatting Using MS Word | Research Support Center, Helwan University, Egypt. | March 27 th 2021 |
| Webinar: Elsevier-NRC Guide Course for Reviewers, Core of Peer Review I | National Research Center, 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 Center, Cairo, Egypt. | April 1 st 2021 |
| Webinar: Reviewer Report & Decision | National Research Center, Cairo, Egypt. | April 5 th 2021 |
| Webinar: Peer Review Insights from iScience Editors | Researcher Academy at National Research Center, Cairo, Egypt. | April 7 th 2021 |
| Webinar: A Guide to Effective Presentations at Academic Conferences | Research Support Center, 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 والايخبار المزيفة على شبكة الانترنت | Research Support Center, Helwan University, Egypt. | June 19 th 2021 |



| | | |
|---|--|----------------------------------|
| Webinar: Statical analysis in Clinical research | Research Support Center, 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 Center, Cairo, Egypt. | August 22 nd , 2021 |
| Webinar: How to improve your research output -Expertise from our publishing department? | Researcher Academy & National Research Center, 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. |

| 7- Conferences | | | |
|------------------------|--|--|------------------------------------|
| Date | Theme/Subjects | Conference Title | Location |
| 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 transportation and 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 | 3 rd 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 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 | Engineering | 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 |
| 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 |
| 2024 | 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 | Aug. 2024, pp. (1-17) https://doi.org/10.1007/s42947-024-00464-6 |
| 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 Sb2O3 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.asj.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 |
| 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 |
| 2024 | 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 | Aug. 2024, pp. (1-17) https://doi.org/10.1007/s42947-024-00464-6 |
| 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 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-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 | 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 |
| 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 | Journal of Innovative Transportation | Main | Volume 2, Issue 2, 2021, DOI: https://doi.org/10.53635/jit.984159 |



| | | | | |
|------|---|---|-----------|--|
| | cement incorporating different types of waste polymers | | | |
| 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/jesau.n.2021.70733.1046 |
| 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, DOI: https://doi.org/10.21608/jesau.n.2020.109051 |
| 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 and Compliance | 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 date range Jan. 2018 – up till now.

VERIFIED REVIEWS (118 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)



| |
|---|
| <p>(11) International conference on civil and environmental engineering technology</p> <p>(2) International conference on new materials and chemical industry (NMCI)</p> <p>(4) International Conference on Civil Engineering Recent Applications and Future Challenges</p> <p>(3) Applied Sciences</p> <p>(1) Materials</p> <p>(1) Results in Engineering</p> <p>(1) Sustainability</p> <p>(1) Transportation Research Interdisciplinary Perspectives</p> <p>(1) Road Materials and Pavement Design</p> <p>(1) Canadian Journal of Civil Engineering</p> <p>(1) International advanced researchers and engineering journal</p> <p>(1) International Conference on Mechanical, Electric and Industrial Engineering</p> <p>(1) Suranaree Journal of Science and Technology</p> |
|---|

| 9- Memberships in Professional Organizations | | |
|--|-------------------|-------------|
| Name of Organization | Country | Year |
| Engineering Syndicate of Egypt | Egypt | Since 1989 |
| Center 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 Highway 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 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 |



12- Research Interests

Intelligent Transportation System (ITS)

Reclaimed Asphalt Pavement

Testing and instrumentation of asphaltic materials

Asphalt modeling and asphalt mixture

Asphalt rheology, Nanotechnology in asphalt concrete

Highway and Railway Engineering safety.

13- Social Activities & Interests

I had the chance to share in the consulting works in Sohag, Assiut governorates (Egypt) through the Studies and Consulting Engineering Center, Assiut University, for highway and transportation projects, as follows:

- Highway and Transportation consultant to Sohag governorate, Egypt concerning, highway construction, highway flexible pavement maintenance, and traffic management (annual work about 250 – 300 km, more than 200 technical reports) Starting from July 2004 up till 2012.
- Highway and Transportation consultant to Assiut governorate, Egypt concerning, highway construction, highway flexible pavement maintenance, and traffic management (annual work about 50 – 100 km, more than 50 technical reports) Starting from July 2004 up till Sept. 2017.
- Planning, Design & Supervision of a road link that connected Sohag city and the new Sohag city with a length of about 8.3 Km from April 2012 till 2017.
- Planning and design of a road link that connected between new Sohag city and the west desert road with a length of about 14.5 Km starting from July 2014 till 2017.

Also, I had the chance to have a special office “Al Nada Engineering Consultant Office” in the field of consulting, Design & Supervision of Engineering projects, at Nag Hammady City, Quena, and Assiut City, Assiut, Egypt, as follows:

- Technical reports about soil investigation and foundations design for the Arab Contractors (Osman Ahmed Osman & Co.), Egypt, Starting from May 2006 up till 2017.
- Technical reports about highway layers investigation for the Road and Transport Branch in Quena governorate, Egypt, starting from April 2006 till 2017.
- Quena – Luxor Highway Feasibility study, Ministry of Transport, Egypt, November 2006.
- Shop drawing for tunneling and culverts of The Haramain High Speed Rail (HHR) project which is a 444 kilometres (276 mi) high-speed inter-city Rail transport system under construction in Saudi Arabia, Jan. 2010 up to July 2011 With MASCO Company in KSA.
- First Assiut Barrage Area Traffic Study, New Assiut barrage and hydropower plant, Technical Report No. 5, Ministry of Water Resources and Irrigation, Egypt, ABDC –



Assiut Barrage Development Consultants, Lahmeyer International – Sogreah – RMD Consult, June 2010.

- Export of highway and traffic planning for railway rehabilitation with road intersection of middle and south areas (Assiut, Sohag, Quena) from Egyptian railways with Railway Engineering Lab., Cairo University, Egypt from 2010 till 2017.
- Planning, and designing most road nets in new Sohag city, Sohag, Egypt, with a length of about 30 Km starting from Jan. 2015 till 2017.
- Second Assiut Barrage Area Traffic Study, New Assiut barrage and hydropower plant, Technical Report No. 22, Ministry of Water Resources and Irrigation, Egypt, ABDC – Assiut Barrage Development Consultants, Lahmeyer International – Sogreah – RMD Consult, January 2017.

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 United Nations Development Program UN-HABITAT (United Nations Human Settlement Program) from 2008 to 2011.

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

Date: September, 2024

I confirm that the given information is true and correct.

Mahmoud Enieb, Ph. D.

Professor at Civil Engineering Department,
 Faculty of Engineering, Assiut University,
 Assiut 71516, Egypt.
 Mobile, WhatsApp, Telegram: +20 1002878440
 E-Mail: m.enieb@aun.edu.eg

Signature

Mahmoud Enieb Osman