

Dina Mohamed EL-Tahan

DOCTOR OF HIGHWAY ENGINEERING

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Education

- Mansoura University, Ph.D. in Public Works Engineering 2024
PhD is a scholarship funded by the Graduate Studies and Research Sector of Mansoura University under joint supervision from Mansoura University and University of Texas at San Antonio, USA.
- Mansoura University, Master's degree in Public Works Engineering 2018
- Mansoura University, B.S Civil Engineering, (Very Good with honor) 2010
Highway and Airport Project, (Excellent)

Academic Experience

- Assistant professor at the Higher Institute of Engineering and Technology in New Damietta 2024 – Till now
- Assistant lecturer at the Higher Institute of Engineering and Technology in New Damietta 2018 - 2024
- Teaching assistant at the Higher Institute of Engineering and Technology in New Damietta 2010- 2018

Related Experience

- Teaching Public Works Engineering Department courses.
- Working within the quality and accreditation team.
- Participating in developing syllabi and overall course structure
- Experience in academic guidance and registration system of credit hours.
- Experience in control work.

Teaching Experience

- Highway and Airport Engineering Course.
- Transportation and Traffic Engineering
- Railway Engineering
- Soil Mechanics
- Survey Engineering
- Engineering Drawing
- Foundation Engineering

Research Experience

- Reviewer Member in Innovative Infrastructure Solutions Journal, Springer
- Research project entitled " Sustainable Pavements for Egyptian Road" from Science Technology and Innovation Funding Authority [From 2021 until 2023].

Published Researches

- Study the Performance of Warm Mix Asphalt Containing Recycled Concrete as a Coarse Aggregate in Egypt and the Middle East, Journal of Materials in Civil Engineering, ASCE, 2024.
- Comparative Life Cycle Assessment of Asphalt Mixtures Containing Recycled Concrete Aggregate in Egypt, Journal of Material Cycles and Waste Management, Springer, 2024.
- Evaluation of recycled concrete aggregate in asphalt mixes, Innovative Infrastructure Solutions Journal, Springer, 2018.

Research Focus Areas

- Pavement Material Characterization and Modeling
- Recycled Materials and By-Products for Pavement Applications
- Nano Modified Asphalt binders and Mixtures
- Warm and Hot Asphalt Mixes
- Image Processing for Asphalt Mixtures
- Life Cycle Assessments for Asphalt Mixtures

Academic profiles

- **Google Scholar:** https://scholar.google.com/citations?user=u2_mSagAAAAJ&hl=en
- **Research gate:** <https://www.researchgate.net/profile/D-El-Tahan>
- **ORCID ID:** 0000-0003-1656-8517

Technical competencies

- Good knowledge of Microsoft Office programs (Microsoft Office, Excel, PowerPoint, etc.).
- Good knowledge of various engineering software including AutoCAD, CSI Sap, Primavera, Civil 3D, OpenLCA Software, IPAS Software, etc.

Skills & abilities

- **Languages:** Speak English, with high proficiency in reading and writing
- **Communication Skills.**
- **Presentations Skills.**
- **Team Working Skills.**
- **Problem Solving Skills.**
- **Leadership and Time Management**