

CONTACT

Ahmed Mohamed Abodif Ahmed

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PERSONAL DETAILS

- Date of Birth : 10/01/1990
- Nationality : Egyptian

OBJECTIVE

To enhance my professional skills, capabilities and knowledge in an organization which recognizes the value of hard work and trusts me with responsibilities and challenges.

EDUCATION

2025	<ul style="list-style-type: none">• Wuhan University of Technology PhD in Civil Engineering 3.65
2019	<ul style="list-style-type: none">• Wuhan university of technology Master of Civil Engineering 3.6
2014	<ul style="list-style-type: none">• Assiut university Preparatory M.Sc. courses, Civil Engineering 88.75%
2011	<ul style="list-style-type: none">• Higher Institute of Engineering and Technology, New Minia, Egypt Bachelor of Civil Engineering 3.68

EXPERIENCE

2025/10 - Until now	<ul style="list-style-type: none">• Assistant professor Higher Institute of Engineering and Technology, New Minia, Egypt As assistant professor in civil engineering department at Higher institute of engineering and technology, New Minia, Egypt. My role focus on teaching courses for undergraduate students make evaluation and exams as well as contribute to modify courses contents. The teaching courses are :<ul style="list-style-type: none">◦ Water and wastewater treatment◦ Water supply and sewage systems◦ Principal of Irrigation and drains◦ Water irrigation system and drains
2025 - Until now	<ul style="list-style-type: none">• Quality Engineer Scientific Office for Engineering Consultants, Minya Nile view residential compound<ul style="list-style-type: none">◦ Conduct daily/regular site inspections and tests to verify compliance with drawings, specifications, and codes.◦ Oversee and witness material testing (e.g., concrete, soil, steel) and ensure quality of incoming materials through receiving inspections.
2019 - 2025/09	<ul style="list-style-type: none">• Assistant lecturer Higher Institute of Engineering and Technology, New Minia, Egypt As Assistant Lecturer position in the Civil Engineering Department at the Higher

Institute of Engineering and Technology, New Minia, El Minia offers an engaging opportunity to contribute to the education and training of civil engineering students. This role focuses on supporting the delivery of undergraduate courses, assisting in research activities, and fostering a productive learning environment under the supervision of senior faculty members. It is designed for an individual with a strong academic background in civil engineering and a dedication to student success.

2013 - 2019

- **Teaching Assistant**

Higher Institute of Engineering and Technology, New Minia, Egypt

Teaching Courses

1. Civil Drawing
2. Water and wastewater treatment
3. Water supply and sewage systems
4. Principal of Irrigation and Drains
5. Transportation Engineering
6. water Irrigation system and drain
7. Irrigation drawing

Jun 2014 - Jul 2014

- **Site Engineer**

ATEREA WAGENING UR, NETHERLAND

Field investigation for Upper Egypt village to suggest the best wastewater network system and wastewater treatment plant for this village.

Sep 2011 - April 2012

- **Site Engineer**

Horse Engineering Works Alex
Manfalut City sewage project

Jun 2011 - Sep 2011

- Industrial and Engineering Enterprises CO. (IEEC)

Practical Training in infrastructure project (wastewater network systems and wastewater treatment plant)

Jun 2010 - Sep 2010

- Industrial and Engineering Enterprises CO. (IEEC)

Practical Training in infrastructure project (wastewater network systems and wastewater treatment plant)

Jun 2009 - Sep 2009

- Industrial and Engineering Enterprises CO. (IEEC)

Practical Training in infrastructure project (wastewater network systems and wastewater treatment plant)

Jun 2008 - Sep 2008

- Industrial and Engineering Enterprises CO. (IEEC)

Practical Training in infrastructure project (wastewater network systems and wastewater treatment plant)

PROJECTS

- The Open Project of Sanya Science and Education Innovation Park of Wuhan University of Technology (Grant No. 2022KF0005).
- Science and Technology Program of Shenzhen (JCYJ20210324122602006).

PUBLICATIONS

- Abodif, Ahmed M., Zhang Qian, Li Meng, Jie Peng, Yuwei Ding, Xunhao Liu, Yuanbin Zhang, and Basem E. Keshta. "Unveiling the synergistic role of Co/Fe bimetallic sites in biochar for SPC-driven tetracycline degradation via EAOPs: ROS generation and Ecotoxicity assessment." Separation and Purification Technology (2025): 135205.
- Ahmed M. Abodif, Li Meng, Sanjrani MA, Abdelaal S. A. Ahmed, Norville Belvett, Zhan Zhi Wei, and Du Ning. "Mechanisms and Models of Adsorption: TiO₂-Supported Biochar for Removal of 3,4- Dimethylaniline." ACS Omega, 2020. 5(23): p. 13630-13640.
- Abodif, Ahmed M., Zhang Qian, Li Meng, Dong Xiaoqian, Xunhao Liu, Li Siwei, and Basem E. Keshta. "Investigating the models and adsorption mechanisms for the removal of tetracycline using Nano zero valent bimetal, accompanied by DFT analysis." (to be submitted)

- Zhong M, Li M, Zhang Q, Abodif AM, Peng H, Xia Z, Zhang Y, Ding Y. "Exploration of oxytetracycline degradation via Co/Fe composites: Advantages of bimetal for the contribution deviation of reactive oxygen species and the corresponding lifetime extension." *Journal of Cleaner Production*. 2022 Nov 24:135219
- Zhong, M., Zhang, Q., Li, M., Abodif, A.M., Ming, T., Fan, Z. and Gao, B. "Biochar as a multifunctional agent for aqueous chromium removal: a critical review of governing mechanisms, targeted syntheses, influencing factors, and practical applications." *Chemical Engineering Journal*, 475 (2023), p.146364.
- Zhang, Y., Li, M., Zhang, Q., Li, Z., Zhong, M., Li, J. and Ahmed M. Abodif, 2023. "Iron phthalocyanine doped carbon-based as a bifunctional material for peroxyomonosulfate activation toward Reactive Red 24 degradation: Consolidated adsorption and multiple oxidation." *Journal of Water Process Engineering*, 51, p.103476.
- Sanjrani Manzoor A, Seerat UI Ain Bhutto, Ahmed M. Abodif, Muneer AS , Sadam Chandio, Xue Gang*(2021). "Removal efficiency of antibiotics from water through constructed wetlands, a review." *Global NEST Journal* 23 (2).
- Noura N. Eltahan, Eida S. Al-Farraj, Ahmed M. Abodif, Anish Khan, Yasmeen G. Abou El-Reash, Hany Koheil, Basem E. Keshta"Recent Advances in Glutaraldehyde-Crosslinked Chitosan for Dye Removal from Wastewater"Carbohydrate Polymers (under review)
- Tehmina Kousar, Yasmeen G. Abou El-Reash, Basem E. Keshta; Qurshia Choudhry, Muhammad Aadil, Mohamed N. Goda, Sahar Abdalla, Abdul Jamali, Muhammad Warsi, Farzana Mahmood, Ahmad Hosseini-Bandegharaei, Ahmed M. Abodif "Synergistic Band Gap Engineering in Graphene-Integrated Tb-Doped CoNiFe2O4 Mixed Spinel Ferrites for Supercilious Photocatalytic Performance" *Materials Today Communications* (under review)
- Ahmed M. Abodif, Li Meng, Sanjrani Ahmed, Seerat UI Ain Bhutto. "Study of Adsorption Kinetics Models for 3,4- Dimethylaniline Removal." *ICCE2021*
- Majid Ali Seelro, M.U.A., Sanjrani Manzoor A*, A.M. Abodif, Sadaf A. "COMPARATIVE STUDY OF GROUND AND SURFACE WATER QUALITY ASSESSMENT USING WATER QUALITY INDEX (WQI) IN MODEL COLONY MALIR, KARACHI, PAKISTAN." *Environmental Contaminants Reviews (ECR)*, 2020. 3(1): p. 04-12.
- Bhutto, A.U., Manzoor, S., Bhutto, M.U., & Abodif, A.M. (2020). "Availability of Polycyclic Aromatic Hydrocarbons in Environment and Food Chains: A Review." *Eurasian Journal of Science & Engineering*, 6(2), 83-116.

VOLUNTEER SCIENTIFIC ACTIVITIES

- I have reviewed some papers published in international scientific journals, such as:
 1. Chemical Engineering journal
 2. Chemical Physics Letter
 3. Membrane and Water Treatment
 4. Bioresource Technology
 5. Journal of Water Process Engineering
- Participation in scientific conferences:
 1. 2nd International Conference on Civil Engineering (ICCE2021).
 2. 3rd International Conference on Engineering Science and Technology (ICEST 2021)

ACHIEVEMENTS & AWARDS

- Honor certificate of 2022 of the 2022 Chinese Bridge Delegation program hosted by Wuhan University of Science and Technology from February 8th, 2023 to February 19th, 2023
- Outstanding international student award for the year 2025 by the School of International Education (SIE) at Wuhan University of Technology (WHUT).

ACTIVITIES

- Dorm and Country Representative at Wuhan University of Technology 2022 - 2025
- Member of International Culture Exchange Association ICEA in Wuhan University of Technology 2022-2023
- Head of Mafangshan Department, International Culture Exchange Association ICEA in Wuhan University of Technology 2023 - 2025

SKILLS

- Auto CAD
- Microsoft office
- Internet
- Water Gems
- Water Hammer
- Sewer Gems

LANGUAGES

- Arabic mother language
- English second language
- Chinese language (basic 2)

REFERENCE

- Li Meng - School of Civil Engineering and Architecture, Wuhan University of Technology, 430070, Wuhan, China
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- Zhang Qian - School of Civil Engineering and Architecture, Wuhan University of Technology, 430070, Wuhan, China
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