

ABET Faculty Vitae

1. **Name:** Abdelmajeed Adam Lagum

2. **Education:**

- Ph.D. Civil Engineering/Water and Environmental Engineering, Concordia University, Canada, 2019

3. **Academic experience**

- Assistant Professor, Department of Civil Engineering, Isra University, Amman – Jordan (2020/2021 – *Up to now*)

4. **Non-academic experience**

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5. **Certifications or professional registrations**

- PMP certificate
- IELTS

6. **Current membership in professional organizations**

- Canadian Society for Civil Engineering (CSCE) – Member
- Canadian Society of Soil Science (CSSS) – Member
- BC Water & Waste Association (BCWWA) – Member
- Canadian Association on Water Quality (CAWQ) – Member
- Association of Environmental Engineering & Science Professors (AEESP) – Member

7. **Honors and awards**

- Dean List for Teaching Assistantship Award 2015 – 2019
- Graduate Students Association (GSA) Conference Travel Support Fund (3X) 2017, 2018, & 2019
- Graduate Student Mobility Award, School of Graduate Studies, Concordia University 2018
- Concordia Accelerator Award, School of Graduate Studies, Concordia University 2018
- Concordia University Conference & Exposition Award (2X) 2017 & 2018
- Engineering and Computer Science Graduate Association (ECSGA) Conference Travel Support (2X) 2017 & 2018
- Concordia University Scholar, School of Engineering and Computer Science (ENCS), Concordia University 2014 – 2017

8. Service activities (within and outside of the institution)

- A member of the college committee for the Accreditation Board for Engineering and Technology (ABET).
- A member of the library committee.
- A member of the lab development committee.
- A member of complaints and dispute resolution.

9. Most important publications and presentations from the past five years

- Duhduh, A. A., Hsu, C. Y., Sami, M. H., Yadav, A., Thabit, R., **Lagum, A. A.** & Rajhi, A. A. (2024). The effect of Cl encapsulation and hydrogenation process on the performance of ZnO nanocluster as an anode in Na-ion batteries. *Journal of Physics and Chemistry of Solids*, 184, 111481.
- **Lagum, A. A.** (2023). Low-temperature treatment of domestic sewage by electrokinetic-based reactor. *Biomass Conversion and Biorefinery*, 1-13.
- **Lagum, A. A.** (2023). Integrated electro-anammox process for nitrogen removal from wastewater. *International Journal of Environmental Science and Technology*, 1-12.
- **Lagum, A. A.** (2023). Effects of current density on fouling-related properties of sludge in an electro-bioreactor at low-temperature conditions. *Biomass Conversion and Biorefinery*, 1-11.
- **Lagum, A. A.**, Al-Ghriybah, M., & Al-Ma'abreh, A. M. (2023). Coupling membrane electro-bioreactor with anammox process to treat wastewater at low temperatures. *Arabian Journal of Chemistry*, 16(10), 105165.
- Li, B., Amin, A. H., Ali, A. M., Isam, M., **Lagum, A. A.**, Sabugaa, M. M., ... & Nassar, M. F. (2023). UV and solar-based photocatalytic degradation of organic pollutants from ceramics industrial wastewater by Fe-doped ZnS nanoparticles. *Chemosphere*, 139208.
- **Lagum, A. A.**, 2022. Simultaneous Nitrification and Denitrification by Controlling Current Density and Dissolved Oxygen Supply in a Novel Electrically-induced Membrane Bioreactor. *Journal of Environmental Management*
- **Lagum, A. A.**, and Elektorowicz, M. 2022. Modification of Nitrifying Microbial Community via DC Electrical Field Application. *Journal of Environmental Chemical Engineering*. Volume 10, Issue 3.
- **Lagum, A. A.**, 2021. Integrating Electrochemical and Biological Phosphorus Removal Processes via Electrokinetic-based Technology. *Journal of Environmental Chemical Engineering*. Volume 9, Issue 6.

10. Briefly list the most recent professional development activities

- Learning Using Modern Teaching Methods and Educational Technology, License to Practice Academic Work, Offered by the University of Jordan.
- Basics of Research and Analysis Using SPSS, Offered by The ATC Academy
- Faculty Staff Training & Development Program Offered by Isra University (20/9/2021 to 14/10/2021).