

Ali Waheid Nakemish Al-Attabi,
PhD in Environmental Engineering

anakemish@uowasit.edu.iq; aliwaheid@gmail.com; - +964 (0)7702419005; +964 (0)7822507467
Dammuk, Al-Kut, Wasit, Iraq ; DOB: 24/12/1984

PERSONAL STATEMENT

As a dedicated professional in Environmental Engineering, I am driven by a profound commitment to advancing sustainable solutions for environmental challenges. My academic journey and research experience in both Malaysia and the UK have equipped me with a deep understanding of environmental systems, pollution control, and innovative technologies aimed at mitigating environmental impacts.

Being among the academic staff at Wasit University as a lecturer stem from my passion for contributing to the academic community through impactful teaching and research. I am eager to inspire students by fostering a dynamic learning environment that combines theoretical knowledge with practical applications. Through collaboration with colleagues and students, I aim to address pressing environmental issues, advance the field of Environmental Engineering, and contribute to the university's mission of excellence in education and research.

With a strong foundation in interdisciplinary research, a commitment to lifelong learning, and a vision for a sustainable future, I am confident in my ability to make meaningful contributions in my area of research and development.

WORK EXPERIENCE

Dates - February 2023 to (current)

Occupational or position held: Senior Lecturer

Main activities and responsibilities: Lecturer for undergraduate students (Statistics and Probability, Mathematics, and Water and Wastewater Engineering).

Name and address of employer: University of Wasit

Type of business or sector: Higher Education

Dates - December 2018 to February 2023

Occupational or position held: Translator

Main activities and responsibilities: Translator and interpreter in Oil & Gas industry.

Name and address of employer: Gazprom Neft Badra B.V

Type of business or sector: Oil and Gas

Dates - September 2015 to April 2017

Occupational or position held: Assistant lecturer

Main activities and responsibilities: AutoCAD lecturer

Name and address of employer: Liverpool John Moores University, United Kingdom

Type of business or sector: Education

Dates - April 2013 to June 2014

Occupational or position held: Construction consultant

Main activities and responsibilities: Construction and sanitary work consultant

Name and address of employer: Alkhan Engineering Consultation, Karada, Baghdad, Iraq

Type of business or sector: Construction consultant

Dates - July 2008 to February 2011

Occupational or position held: Site engineer

Main activities and responsibilities: Construction and sanitary work supervisor.

Name and address of employer: Alrasheed Construction Company, Nahdha, Baghdad, Iraq

Type of business or sector: Site engineer

Dates - 2006 to 2008

Occupational or position held: IT specialist.

Main activities and responsibilities: Organization police online tests in Al-Kut city, Iraq.

Name and address of employer: Morris & McDaniel, Alexandria, VA 22314, USA

Type of business or sector: Iraqi Police training, employed by the U.S. Department of Defence

EDUCATION**Dates - June 2014 to October 2018****(Verified International Academic Qualifications via World Education Services)**

Title of qualification awarded: PhD, Civil Engineering (Environment)

Principal subjects/Occupational skills covered: Design and operate of water and wastewater treatment plant and, air pollution control and equipment design and Environmental risk assessment

Name and type of organisation providing education: Liverpool John Moores University, United Kingdom

Dates - February 2011 to April 2013

Title of qualification awarded: Master of Engineering (Environment)

Thesis title "Treatment of pharmaceutical wastewater using sequencing batch reactor"

Principal subjects/Occupational skills covered: Design and operate of water and wastewater treatment plant and, air pollution control and equipment design and Environmental risk assessment

Name and type of organisation providing education: University Kebangsaan Malaysia (UKM), Malaysia

Dates - September 2002 to July 2006

Title of qualification awarded: B.Sc. Environmental Engineering

Principal subjects / Occupational skills covered: Design and operate of water and wastewater treatment plant and, air pollution control and

PUBLICATIONS

1. **Alattabi, A. W.** , Abdullah, S. R. R. and Hasan, H. A., Effects of initial organic loading and pharmaceutical compounds on the removal of COD, Ibuprofen and Ketoprofen in SBR. Integrated Journal of Engineering Research and Technology, 2(1), 88-100, 2015.
2. **Alattabi, A. W.**, Harris, C. B. & Alkhaddar, R. M., The effect of sludge wasting on the treatment efficiency of petroleum refinery wastewater (PRW) in an aerobic suspension-sequencing batch reactor (ASSBR), LJMU, Faculty research week, 2015.
3. **Alattabi, A. W.**, Harris, C. B. & Alkhaddar, R. M., The effects of different mixed liquor suspended solids concentrations on the sludge characteristics in a SBR, LJMU, Faculty research week, 235-240, 2016.
4. **Alattabi, A. W.**, Harris, C. B., Alkhaddar, R. M. & Alzeyadi, A, The relationship between operating condition and sludge wasting of an aerobic suspension sequencing batch reactor (ASSBR) treating phenolic wastewater. The Second BUiD Doctoral Research Conference, 417-423, 2016.
5. **Alattabi A. W.**, Hashim, K., Jafer, H. & Alzeyadi, A., Removal of Nitrogen Compounds from Industrial Wastewater Using Sequencing Batch Reactor: The Effects of React Time. International Journal of Civil, Environmental, Structural, Construction and Architectural Engineering, Vol. 10(7), 964-967, 2016
6. Jafer, H., Hashim, K., Atherton, B. & **Alattabi A. W.** A statistical model for the geotechnical parameters of cement-stabilised hightown's soft soils: A case study of Liverpool, UK. International Journal of Civil, Environmental, Structural, Construction and Architectural Engineering, Vol. 10(7), 2016
7. Hasan, H. A., Abdullah, S. R. S., **Al-Attabi, A. W. N.**, Nash, D. A. H., Anuar, N., Rahman, N. A. & Titah, H. S., Removal of ibuprofen, ketoprofen, COD and nitrogen compounds from pharmaceutical wastewater using aerobic suspension-sequencing batch reactor (ASSBR). Separation and Purification Technology., 157, 215–221, 2016.
8. **Alattabi, A. W. N.**, Harris, C. B., Alkhaddar, R. M. & Alzeyadi, A., The effects of different MLSS concentrations on the sludge characteristics and effluent quality in an ASSBR under low temperature, 1st International Conference on Sustainable Water Processing, Spain, 2016.
9. **Alattabi, A. W. N.**, Harris, C. B., Alkhaddar, R. M. & Alzeyadi, A., The effects of hydraulic retention time on the sludge characteristics and effluent quality in an ASSBR, International Conference for Students on Applied Engineering (ICSAE), 458-462, 2016. doi: 10.1109/ICSAE.2016.7810235.
10. Khalid Hashim, Andy Shaw, Rafid Alkhaddar, Montserrat Ortoneda-Pedrola, **Ali Alattabi**, Modelling of initial pH influence on textile dye removal from water using electrocoagulation method – experimental and statistical approach, The 9th MMU Postgraduate Research Conference 2017, Manchester University, 2017.
11. **Ali Alattabi**, Clare Harris, Rafid Alkhaddar and Ali Alzeyadi, The effects of potassium nitrate loading rate on the sludge settling and effluent quality in an ASSBR, Cutting Edge Postgraduate Research Conference 2017, 2017.
12. **Ali Alattabi**, Clare Harris, Rafid Alkhaddar and Ali Alzeyadi, The impact of organic loading rate on the removal efficiency of nitrate-nitrogen using sequencing batch reactor, LJMU, Faculty research week, 2017, 2017.

13. **Ali Alattabi**, Clare Harris, Rafid Alkhaddar and Ali Alzeyadi, Ammonia removal using sequencing batch reactor: the effects of organic loading rate, The third BUiD doctoral research conference, 2017.
14. Ali Alzeyadi, E. Loffill, Rafid Alkhaddar, **Ali Alattabi**, Phosphate removal by utilizing different sorption materials as filter media: A comparative study, The Third BUiD Doctoral Research Conference, 2017.
15. Ameer Jebur, William. Atherton, Rafid M. Al Khaddar, Edward. Loffill, **Ali Alattabi**, Modelling of Pile-Soil Interaction of Concrete Model Piles Penetrated in Sand Soil, The Third BUiD Doctoral Research Conference, 2017.
16. Ali Alzeyadi, E. Loffill, Rafid Alkhaddar, **Ali Alattabi**, Factors that Influence Nutrient Removal in Up-Flow Filters, World Environmental and Water Resources Congress 2017, 2017.
17. **Ali Alattabi** , Clare Harris, Rafid Alkhaddar, Ali Alzeyadi and Khalid Hashim, Treatment of Residential Complexes' Wastewater using Environmentally Friendly Technology, Procedia engineering, 196 (2017) 792–799.
18. **Ali Alattabi** , Clare Harris, Rafid Alkhaddar, Ali Alzeyadi and Muhammad Abdulredha, Online Monitoring of a Sequencing Batch Reactor Treating Domestic Wastewater, Procedia Engineering 196 (2017) 800–807.
19. Mohammad Abdulredha, Rafid Alkhaddar, David Jordan, **Ali Alattabi**, Facing up to waste: how can hotel managers in Kerbala, Iraq, help the city deal with its waste problem? Procedia Engineering, 196 (2017), 771-778.
20. Khalid Hashim, Andy Shaw, Rafid Alkhaddar, Montserrat Ortoneda-Pedrola, **Ali Alattabi**, Effect of electrodes spacing on energy consumption of electrocoagulation (EC) cells, Public Health PhD Symposium 13th & 14th July 2017, 2017.
21. Khalid Hashim, Andy Shaw, Rafid Alkhaddar, Montserrat Ortoneda-Pedrola, **Ali Alattabi**, Modelling of electrodes spacing influence on iron (Fe II) removal from water using the electrocoagulation (EC) process, The International Research Conference on Sustainable Energy, Engineering, Materials and Environment 2017, Northumbria University, 2017.
22. **Ali W. Alattabi**, Clare Harris, Rafid Alkhaddar, Montserrat Ortoneda-Pedrola, Ali Alzeyadi, An investigation into the effects of MLSS on the effluent quality and sludge settleability in an aerobic-anoxic sequencing batch reactor (AASBR), Journal of Water Process Engineering (2017), <http://dx.doi.org/10.1016/j.jwpe.2017.08.017>
23. **Ali W. Alattabi**, Clare B. Harris, Rafid M. Alkhaddar, Khalid Hashim, Montserrat Ortoneda-Pedrola, David Phipps, Improving sludge settleability by introducing an innovative two-stage settling sequencing batch reactor, Journal of water process engineering, 20 (2017) 207-216.
24. Ali T. Alzeyadi, **Ali W. Al-Attabi**, Salah L. Zubaidi, Rafid M. Alkhaddar. Holistic Framework for Sustainability Assessment of Water Treatment Plants, World Environmental and Water Resources Congress 2024, (2024), <https://doi.org/10.1061/9780784485477.106>.
25. Ali Alzeyad, Nadhir Al-ansari, **Ali W. Al-Attabi**, Muhanad H. Mosa, Assessing the effectiveness of low-cost materials to act as filter media for phosphate sorption, Al-Qadisiyah Journal for Engineering Sciences, 16 (2023) 253–258, <https://doi.org/10.30772/qjes.2023.141371.1001>.
26. Ali Alzeyadi, Nadhir Al-Ansari, Jan Laue, **Ali Alattabi**, Study of biomass bottom ash efficiency as phosphate sorbent material, Civil Engineering Journal, 5(11) (2019), 2392-2401, 10.28991/cej-2019-03091419.
27. Salah L. Zubaidi, Hussein Al-Bugharbee, **Ali W. Alattabi**, Hussein Mohammed Ridha, Khalid Hashim, Nadhir Al-Ansari, Zaher Mundher Yaseen, Forecasting urban water demand using different hybrid-based metaheuristic algorithms' inspire for extracting artificial neural network hyperparameters, Scientific Reports, (2024) 14:24042, <https://doi.org/10.1038/s41598-024-73002-w>.

CITATIONS

Google Scholar link (<https://scholar.google.com/citations?user=PuukCA8AAAAJ&hl=en>)

ResearchGate (https://www.researchgate.net/profile/Ali_Alattabi)

Scopus (<https://www.scopus.com/authid/detail.uri?authorId=57193604410>)

Web of Science (<https://www.webofscience.com/wos/author/record/K-1100-2016>)

LABORATORY EXPERIENCE

Dates – July 2023 to July 2024

Head of Environment Laboratory at University of Wasit

Dates - June 2014 to October 2018

I have worked in an environmental lab as a part of my study to analyse a wide range of experiments such as (BOD, COD, Nitrogen, Phosphorous, and Suspended Solids), In addition, I have worked in a biological lab to study identification of bacteria using microscope, incubator and Culture Hood, and I have done an experiments such as gram staining, catalase test, oxidase test and motility test.

Dates - February 2011 to April 2013

I have worked in an environmental lab as a part of my study to analyse a wide range of experiments such as (BOD, COD, and Nitrogen), In addition, I have worked in a biological lab to study bacterial culture using microscope, incubator and Culture Hood.

Dates - September 2002 to July 2006

I have worked in an environmental lab as a part of my study to analyse a wide range of experiments such as (BOD, COD, Nitrogen, Phosphorous, and Suspended Solids)

CONFERENCES

I have presented my research project at several international conferences as fellow:

1. Liverpool John Moores University, Faculty research week, 2015, Liverpool, UK.
2. Liverpool John Moores University, Faculty research week, 2016, Liverpool, UK.
3. The Second BUiD Doctoral Research Conference, 2016, Dubai, UAE.
4. 1st International Conference on Sustainable Water Processing, 2016, Barcelona, Spain.
5. International Conference for Students on Applied Engineering, 2016, Newcastle, UK.
6. Cutting Edge Postgraduate Research Conference, 2017, Edge Hill, UK.
7. Liverpool John Moores University, Faculty research week, 2017, Liverpool, UK.
8. The Third BUiD Doctoral Research Conference, 2017, Dubai, UAE.
9. Creative Construction Conference, 2017, Primosten, Croatia.

TRAINING

During my PhD study period, I have enrolled in many training courses as follow:

1. 3is training (Induction, Planning for Learning, Microteaching, Working with Large Groups, Small Group Teaching and Introduction to Assessment and Marking).
2. Effective Tools and Strategies for Time Management and Notes Management.
3. Effective tools and strategies for the management of projects and enterprises.
4. Project Management for non-Project Managers.
5. Life-cycle of framework contract.
6. Effective Researcher: Making Progress.
7. Sustainability and Employability.
8. Grammar Review and Error Correction Techniques.
9. Research methodology.
10. SPSS course.
11. EndNote course.
12. Business Planning.
13. Careers in Accountancy and Finance.
14. Research your Market.
15. Finance for Start-ups.
16. HSE.
17. Funding your Start-up.
18. Protecting your Intellectual Property.
19. Academic writing skills.
20. Advanced Manufacturing.
21. Marketing your Start-up.
22. Social Media for Start-ups.
23. How to sell.
24. Creating a Brand for your Start-up.
25. Nvivo.
26. COSHH & DSEAR.
27. Open Access-What, Why and How?
28. Accounting fundamentals.
29. Finance: Time value of money.
30. Marketing fundamentals.
31. Microeconomics I: Supply and demand.
32. One-variable statistics.

LANGUAGE(S)

1. English (C1 level; IELTS band 7)
2. Arabic (mother tongue)

OTHER SKILLS

1. I have worked in various types of team projects from rewiring newly built estates to construction maintenance of various corporate businesses.
2. Knowledge of EPA regulations.

3. Much experience in plumbing installation.
4. Wide experience in engineering and computer software such as AutoCAD, Ms Project, Windows, Microsoft Office, Photoshop, illustrator, Endnote, SPSS.
5. Much experience in surveying devices such as Level, Theodolite, Total Station.

CERTIFICATES

1. Associate Fellow of the Higher Education Academy.
2. Ideas, Insights and Information (3is) by SEDA (Staff and Educational Development Association).
3. Effective Tools and Strategies for Enterprises and Projects Management.
4. Project Management for Non Project Managers.
5. Sustainability and Employability.

AWARDS

“Best Paper Award” at Faculty research week 2017, Liverpool John Moores University, UK, on the paper titled “The impact of organic loading rate on the removal efficiency of nitrate-nitrogen using sequencing batch reactor”

REFERENCES

References available upon request.