

CURRICULUM VITAE
ZIAD TARK ABD ALI
BSc, MSc, PhD



1. PERSONAL DETAILS			
Surname	ABD ALI	Address	University of Baghdad, College of Engineering, Environmental Engineering Department
Forename	ZIAD TARK ABD ALI	Home Phone Number:	
Title	Dr.	Work Phone Number:	
Date of Birth	13/10/1970	Mobile Number:	+9647903433954
Nationality	Iraqi	Email:	z.teach2000@yahoo.com
Marital State	Married, 3 children	Driving Licence:	Full

2. PRESENT EMPLOYMENT	
Job Title	Assistant Professor
Name and address of Employer	College of Engineering, University of Baghdad, Al- Jadiriah, Baghdad-Iraq
Main Responsibilities	<ul style="list-style-type: none"> ▪ Member of the Environmental Engineering Department board. ▪ Coordinator of postgraduate of Environmental Engineering Department- University of Baghdad since 2014 – 2017 ▪ Coordinator of undergraduate of Environmental Engineering Department- University of Baghdad since 2017 – till now ▪ Member of the subject and exam boards in Environmental Engineering Department ▪ Teaching undergraduate courses in Environmental Engineering Department. ▪ Supervising final year projects. ▪ Supervising MSc thesis.

3. GRADUATE AND POSTGRADUATE QUALIFICATIONS			
Title of the Award	Subject	Awarding Body	Date
PhD (Grade 88.49%) 1 st student on the department	Environmental Engineering	Baghdad University, College of Engineering, Environmental Engineering Department	July, 2014
Pre- PhD. Comprehensive Exam *	Environmental Engineering	Baghdad University, College of Engineering, Environmental Engineering Department	2012
MSc. (Grade 90.94%) 1 st student on the college	Environmental Engineering	Baghdad University, College of Engineering, Chemical Engineering Department	October, 2008
B.Sc (Grade 77.56%) 7 th student on the department	Chemical Engineering	Baghdad University, College of Engineering, Chemical Engineering Department	1992

*PhD study included three courses:

1- Global Environmental Problems, Multi-Phase Flow, and Radiation Pollution, Hazardous Waste, Treatment Plant.

2- Finite Element, Environmental Management (including the study of ISO 14000), Optimization, Industrial Waste, Air-Pollution Control, Solid Waste.

3- The comprehensive Exam including written and oral exam in the following subjects:

Industrial Waste, Hazardous Waste, Air-Pollution, Air-Pollution Control, Surface Water Pollution, Ground Water Pollution, Treatment Plant, Solid Waste, Advanced Mathematics, Finite Element, Multi-Phase Fluid Flow, Radiation Protection.

4. TRAINING

- Computer Training course 2006, University of Technology, Baghdad.

5. INSTITUTIONAL OR PROFESSIONAL MEMBERSHIP AND ACTIVITIES

Institution/Professional Bodies	Type of Membership/Involvement	Date
The Iraqi Engineering Institute	Consultant	August, 1992

6. PERSONAL STATEMENT

I consider myself as an enthusiastic, hardworking, committed and good team player/leader. I am self-motivated and eager to learn and grow professionally. I always work to my full potential and set competitive but achievable aims to work towards. I have excellent management skills, and I am effective at balancing my time in order to achieve goals in the most efficient way. I easily adapt to change and my knowledge of other cultures and societies are enhanced through travelling over the world.

7. PUBLICATIONS

- 1) Ziad T. Abd Ali, (2008) "Removal of Kerosene from Wastewater Using Iraqi Bentonite". M.Sc Thesis, Baghdad University, Baghdad, Iraq.
- 2) Abbas H. Sulaymon, Ziad T. Abd Ali "Removal of Kerosene from Wastewater Using Iraqi Bentonite". Journal of Engineering, Vol. 16, No. 3, September (2010).
- 3) Bassim H. Graimed, Ziad T. Abd Ali "Thermodynamic and Kinetic Study of the Adsorption of Pb (II) from Aqueous Solution Using Bentonite and Activated Carbon". Al-Khwarizmi Engineering Journal, Vol. 9, No. 2, P.P. 48 -56 (2013)
- 4) Ayad A.H. Faisal, Ziad T. Abd Ali, "Phenol Removal Using Granular Dead Anaerobic Sludge Permeable Reactive Barrier in a Simulated Groundwater Pilot Plant". Journal of Engineering, Vol. 20, No. 11, , November (2014)
- 5) Abbas H. Sulaymon, Ayad A.H. Faisal, Ziad T. Abd Ali (2015) "Performance of granular dead anaerobic sludge as permeable reactive barrier for containment of lead from contaminated groundwater". Taylor and Franics, Desalination and water treatment, 56 (2015) 327-337.
- 6) Ziad T. Abd Ali, (2014) "Treatment of Lead and Phenol-Contaminated Simulated Groundwater Using Permeable Reactive Barrier". Ph.D Thesis, Baghdad University.
- 7) Ayad A.H. Faisal, Ziad T. Abd Ali (2016), "Groundwater protection from lead contamination using granular dead anaerobic sludge biosorbent as permeable reactive barrier". Taylor and Franics, Desalination and water treatment, 57 (2016) 3891-3903.
- 8) Ayad A.H. Faisal, Ziad T. Abd Ali (2015) "Using Granular Dead Anaerobic Sludge as Permeable Reactive Barrier for Remediation of Groundwater Contaminated with Phenol". ASCE J. of Environmental Eng., 141 (2015) 4014072(1-9).

9) Ziad T. Abd Ali (2015) "A comparative Isothermal and Kinetic Study of the Adsorption of Lead (II) from Solution by Activated Carbon and Bentonite". Journal of Engineering, 12, 7 (2015).

10) Huda M. Madhloom, Amal H. Khalilb, Ziad T. Abd Ali, (2015) "Artificial neural network for modeling of Cu(II) bio-sorption from simulated wastewater by fungal biomass". Journal of Engineering, Al- Mustansiriya University, 19, 6 (2015)

11) Ziad T. Abd Ali, Mohammed A. Ibrahim, Huda M. Madhloom, (2016) " Eggshell Powder As An Adsorbent for Removal of Cu (II) and Cd (II) from Aqueous Solution: Equilibrium, Kinetic and Thermodynamic Studies", Journal of Engineering, Nahrain University, 19, 2 (2016) 186-193.

12) Mohammed A. Ibrahim, Ziad T. Abd Ali, Haitham A. Hussein, (2016) " Application of Cluster Analysis and Multivariate Statistical Techniques Associated with Water Quality Index to Evaluation of Water Quality of Tigris River in Iraq" Journal of the Association of Arab Universities, 23, 1 (2016) 21-35.

13) Ziad T. Abd Ali, (2016)" Using Activated Carbon developed from Iraqi Date Palm Seeds as Permeable Reactive Barrier for Remediation of Groundwater Contaminated with Copper" Al-Khwarizmi Engineering Journal, Vol. 12, No. 2, P.P. 34 -44 (2016)

14) publishing of a book in the international publisher, (2016) (Scholars Press, Germany): " Treatment of Pb and Ph Contaminated Simulated Groundwater Using PRB". ISBN: 978-3-639-86455-7

15) Ayad A.H. Faisal, Ziad T. Abd Ali (2017), "Using sewage sludge as a permeable reactive barrier for remediation of groundwater contaminated with lead and phenol" Journal of Separation Science and Technology . VOL. 52, NO. 4, 732–742

16) Ayad A.H. Faisal, Ziad T. Abd Ali (2016) "Remediation of groundwater contaminated with lead-phenol binary system by granular dead anaerobic sludge permeable reactive barrier" Journal Environmental Technology, <http://dx.doi.org/10.1080/09593330.2016.1270355>

17) Ahmed A. Mohammed, Ziad T. Abd Ali, Zehraa B. Masood (2018) " A comparative Isothermal and Kinetic Study of the Removal of Lead (II) from Aqueous Solution using different sorbents" Journal of the Association of Arab Universities. NO.4 ,Volume. 25

18) Alyaa F. Ali and Ziad T. Abd Ali (2019) "Interaction of aqueous Cu²⁺ Ions with granules of crushed concrete". Iraqi Journal of Chemical and Petroleum Engineering, 20(1): 31-38

19) Ziad T. Abd Ali, Hussain M. Flaveh, Mohammed A. Ibrahim (2019)" Numerical modeling of performance of olive seeds as permeable reactive barrier for containment of copper from contaminated groundwater" Desalination and Water Treatment. 139 , 268–276

20) Masood, Z.B. and Ali, Z.T.A., 2020. Numerical modeling of two-dimensional simulation of groundwater protection from lead using different sorbents in permeable barriers. Environmental Engineering Research, 25(4), pp.605-613.

21) Saad, N., Abd Ali, Z.T., Naji, L.A., Faisal, A.A. and Al-Ansari, N., 2020. Development of Bi-Langmuir model on the sorption of cadmium onto waste foundry sand: effects of initial pH and temperature. Environmental Engineering Research, 25(5), pp.677-684.

22) Abd Ali, Z.T., Naji, L.A., Almuktar, S.A., Faisal, A.A., Abed, S.N., Scholz, M., Naushad, M. and Ahamad, T., 2020. Predominant mechanisms for the removal of nickel metal ion from aqueous solution using cement kiln dust. Journal of Water Process Engineering, 33, p.101033.

23) Abd Ali, Z.T., 2021. Green synthesis of graphene-coated sand (GCS) using low-grade dates for evaluation and modeling of the pH-dependent permeable barrier for remediation of groundwater contaminated with copper. Separation Science and Technology, 56(1), pp.14-25.

24) Abd Ali, Z.T., 2020. Combination of the artificial neural network and advection-dispersion equation for modeling of methylene blue dye removal from aqueous solution using olive stones as reactive bed. Desalination and Water Treatment, 179, pp.302-311.

25) Ali, A.F. and Abd Ali, Z.T., 2020. Sustainable Use of Concrete Demolition Waste as Reactive Material in Permeable Barrier for Remediation of Groundwater: Batch and Continuous Study. Journal of Environmental Engineering, 146(7), p.04020048.

26) Abd Ali, Z.T. and Ismail, Z.Z., 2020. Experimental and modeling study of water defluoridation using waste granular brick in a continuous up-flow fixed bed. Environmental Engineering Research, 26(2), p.190506.

27) IBRAHIM, M.A., HUSSEIN, H.A. and ABD ALLI, Z.T., INVESTIGATING THE EFFECT OF INLET APERTURE AND BAFFLE POSITION IN IMPROVING THE EFFICIENCY OF PRIMARY SETTLING TANKS.

28) Abd Ali, Z.T., 2021. Green synthesis of graphene-coated glass as novel reactive material for remediation of fluoride-contaminated groundwater. DESALINATION AND WATER TREATMENT, 226, pp.113-124.

29) Ali, A.F. and Abd Ali, Z.T., 2019. Removal of lead ions from wastewater using crushed concrete demolition waste. Association of Arab Universities Journal of Engineering Sciences, 26(4), pp.22-29.

30) Ibrahim, S.M. and Abd Ali, Z.T., 2020. Using of modified-bentonite as low-cost sorbent for removal of methylene blue dye from aqueous solution. Association of Arab Universities Journal of Engineering Sciences, 27(2), pp.45-54.

31) Ibrahim, S.M., 2020. Removal of Acidic Dye from Aqueous Solution Using Surfactant Modified Bentonite (Organoclay): Batch and Kinetic Study. Journal of Engineering, 26(5), pp.64-81.

32) Mhawesh, T.H. and Abd Ali, Z.T., 2020. Granules of brick waste (GBW) as low-cost sorbent for removal of Pb²⁺ ions from aqueous solutions. Association of Arab Universities Journal of Engineering Sciences, 27(3), pp.1-8.

33) Mhawesh, T.H. and Abd Ali, Z.T., 2020. Reuse of Brick Waste as a Cheap-Sorbent for the Removal of Nickel Ions from Aqueous Solutions. Iraqi Journal of Chemical and Petroleum Engineering, 21(2), pp.15-23.

Remark: Underline refers to publications in the international journals

8. REFEREES

Prof. Dr. Ayad Abdulhamza Faisal

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University of Baghdad.

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9. TEACHING AT THE UNIVERSITY OF BAGHDAD

Undergraduate

Ground Water Pollution, Industrial Processes Wastewater Treatment, Engineering Analysis, Ecology, Environmental Engineering Economic, Engineering Drawing.

Thesis Supervision (MSc level)

- **Numerical modeling of Groundwater Protection from Heavy Metals Using Permeable Reactive Barrier**
- **Crushed Concrete Demolition Waste As Permeable Reactive Barrier For Remediation Of Groundwater Contaminated With Heavy Metals**
- **Using of brick waste as a reactive barrier for remediation of groundwater**
- **Application of modified bentonite in the removal of contaminants from wastewater**
- **Selection of low-cost reactive media for modeling of 2D-permeable reactive barrier for containment the pharmaceutical pollutants from contaminated groundwater**
- **Green synthesis of reactive material from recycled polyethylene terephthalate (PPT) bottles waste for removal of contaminants from wastewater**
- **Removal of contaminants from wastewater using organoclay as reactive material**

Thesis Supervision (Ph.D level)

- **Green synthesis of hybrid graphene as reactive material for remediation of contaminated groundwater**
- **Synthesis of immobilized bimetallic nanoparticles as reactive material through green technology: Application for groundwater remediation**
- **Fabrication of magnetic nanoparticles coated sand for removal of contaminants from aqueous solutions using selected agricultural waste as a green approach**