

Curriculum Vitae

Dr. Zainab Talib Abidzaid Al-Sharify

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PERSONAL SUMMARY:

A highly motivated, dedicated and enthusiastic leader researcher with over ten years experience in different aspects of chemical engineering, having excellent potential to contribute to the research project target and confident with the ability to work in a team. Experience in reviewing papers in journals and in editing papers for reviewed journals, in addition to supervising PhD, masters and undergraduate students. Assisting PhD students with their research project.

EDUCATION:

- **Ph.D.:** in Chemical Engineering, Birmingham University, UK, 2017.
- **M.Sc.:** in Chemical Engineering, Nahrain University, Baghdad, Iraq, 2007.
- **B.Sc.:** in Chemical Engineering, Nahrain University, Baghdad, Iraq, 2005.

ACADEMIC HONORS AND AWARDS:

- The first prize winner in the 5th Birmingham Environment for Academic Research Conference, 2014, Birmingham, UK.

ACADEMIC /TEACHING EXPERIENCE:

- **2017 – present: Al-Mustansiriya University, Environmental Engineering Department – Lecturer**
 - Delivering lectures for environmental engineering students.
- **2012 – 2017: Birmingham University, School of Chemical Engineering – Teaching Associate**
 - Demonstrating modelling concepts and tools (MCT) to first year Engineers.
- **2010 – 2011: Al-Mustansiriya University, Environmental Engineering Department – Lecturer**
 - Delivering lectures for environmental engineering students on Hydraulics, Thermodynamics and Environmental Protection modules.
 - Supporting tutorial sessions for environmental and civil engineering 2nd year students for Fluid Mechanics modules.
 - Appointed Lab Supervisor on Hydraulic, Thermodynamics and Environmental Unit operations.
 - Supervising final year students for individual projects.
- **2008 – 2010: Al-Mustansiriya University, Environmental Engineering Department – Assistant Lecturer**
 - Delivering lectures for environmental engineering students on Hydraulics and Thermodynamics modules.
 - Supporting tutorial sessions for environmental and civil engineering 2nd year students for Fluid Mechanics modules.
 - Demonstrating Fluid Flow and Thermodynamics laboratory experiments for 2nd and 3rd year students.
 - Lab supervisor on Hydraulic, Thermodynamic and Environmental unit operations.
 - Supervising final year students for individual projects.

COURSES TAUGHT:

Undergraduate
Awareness and environmental culture
Environmental Protection modules

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Hydraulics lab
Thermodynamics
Fluid Flow
Mass and Heat transfer Lab
MatLab
Modelling concepts and tools (MCT)



PROFESSIONAL AFFILIATIONS:

- **2015 – Present:** Associated Member (AMICHEM) of the Chemical Engineering Institution (ICHEME), UK
- **2015 – Present:** Member of Al-Kindi Society for Engineers, UK.
- **2015 – Present:** Member of Mind Health, UK.
- **2014 – Present:** Member of Women's Engineering Society (WES), UK
- **2013 – 2015:** Member of the organizing committee of the 4th and the 5th Birmingham environment for academic research (BEAR) postgraduate conference, Birmingham UK
- **2012 – Present:** Member of the British society of Rheology, UK
- **2009 – Present:** Associate Editor, International Journal of Environmental Studies (JES), Sohag University, Egypt

PUBLICATIONS:

- Zainab Talib Abidzaid, Mohammed N. Latif and Wekar Abd Al-Wahed, 2011, "Experimental Study Of Fluid Flow Through Packed Beds Of Glass Sphere Packing". Thi-Qar Journal for Engineering Sciences, University of Thi-Qar, College of Engineering, Iraq, Vol., 3: 32-47.
- Faiza Ez. Gharib, Talib A. Al-Sarify, Ali F. Atshan, Zainab Talib Al-Sharify, Muna Abed Jaffar, 2012, "Improve Thermal Insulation And Physical Properties of The Iraqi Plaster Using Natural Additives". Journal of Environmental Studies, JES.
- Zainab Talib Al-sharify and Ali Sabeeh Abdulameer, 2012, "Nodulation By Rhizobium And Yield Of White Bean Responding To Different Methods Of Phosphorus And Zinc Application". 3rd BEAR Postgraduate Conference, Birmingham, UK, page 16.
- Zainab Talib Abidzaid Al-Sharify, 2011, "Experimental and Theoretical Studies on Mechanical Properties of Composite Material". Thi-Qar Journal for Engineering Sciences, University of Thi-Qar, College of Engineering, Iraq, Vol. 2, No. 1, pp. 54-72.
- Zainab Talib Abidzaid, 2011, "Effect Of Ratios Of Down Comer To Riser Cross Sectional Area On Hydrodynamic Of Airlift Reactors". Gulf University Journal. Kingdom Of Bahrain, Vol. 3, Eng. Div., No. 1, pp. 20-35.
- Z. T. A. Al-Sharify, M. N. Abass and N. O. Kareem, 2010, "Modified Equations for Water Flow Through Packed Bed for Different Types of Packing Systems". Journal of Al-Rafidain University College for Sciences. Baghdad, Iraq, Vol. 26, pp. 35-53.
- Z. T. A. Al-Sharify, T. A. Al-Sharify, S. A. H. al-juboori, 2010, "Anti-Bacterial Properties of Datura Metel Leaves Extract". Journal of Environmental studies [JES], Sohag University, Egypt, Vol. 4, pp. 69-76.
- T. A. Al-Sharify, Z. T. A. Al-Sharify, M. N. Abass, 2009, "Modification of Porosity Equation for Water Flow through Porous Media". Journal of Environmental studies, Sohag University, Egypt, Vol. 2, pp. 65-72.
- Sagida Abass Hussain, Muna Mahmud, Zainab Talib Abidzaid al-Sharify, Muna Abed Jaffar, Alia Hussain, 2012, "Effect of Separation Methods on Identification and Determination of Concentrations the Bioactive Compounds". Journal of Environmental Studies, JES, Vol., 8: 25-29.
- Zainab T. A. Al-Sharify, S. A. H. al-juboori, 2012, "Effect of Separation Methods on Identification and Determination of Concentrations the Bioactive Compounds". Journal of Environmental studies, Sohag University, Egypt, Vol. 8, pp. 25-29.
- Zainab Talib Al-Sharify, Ali S. Abdulameer, Munther M. Al-Mukhtar, Abdul R., Hassan A. and Ali H. Al-Mousawi, 2012, "Effect of Time factor, Potassium and Cobalt on Rhizobium Efficiency in the Silt Clay loam Soil". Journal of Environmental studies, Sohag University, Egypt, Vol. 8, pp. 17-23.
- Zainab Talib Abidzaid, Talib Abidzaid, Faiza Ez. Gharib, Ali F. Atshan, 2012, "Improve Thermal Insulation And Physical Properties Of The Iraqi Plaster Using Natural Additives". Journal of Environmental studies [JES], Sohag University, Egypt, Vol. 9, pp. 21-28.
- Zainab T. A. Al-Sharify, Mohammed Nasir Latiff, and Wekar. Abd Al-Wahed, "Modeling of fluid flow through packed beds of glass sphere packing". Thi-Qar Journal for Engineering Sciences, University of Thi-Qar, College of

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PROFESSIONAL DEVELOPMENT

- **Conferences.**

The 4th scientific engineering and first sustainable engineering conference, 4th SE 1st EC18, March 2018, Mustansiriyah University, Baghdad, Iraq.

6th Annual Research in Development Network (RiDNet) Conference, University of Leeds, March 2018, Leeds, UK

- "Measuring, Evaluating and Documenting Development: Linking Academia and Practice"

The 8th Birmingham Environment for Academic Research (BEAR) Postgraduate Conference, Feb 2018, Birmingham, UK

- Study the Mixing of non-Newtonian Fluids Using Positron Emission Particle Tracking

The International Symposium on Mixing in Industrial Processes IX (ISMIP), 2017, Birmingham, UK

- "PEPT Measurements of Solid-Liquid Flow Field of Floating Particles in a Stirred Vessel"

UK Particle Technology Forum 2017, IChemE, University of Birmingham, UK.

The ChemEngDayUK2017, Birmingham, UK

- "Draw Down Of Floating Particles In A Stirred Vessel Using Different Rheological Fluids"

Research Poster Conference 2017, Birmingham, UK.

- "Study Of Fluid Flow Through Packed Beds Of Glass Sphere Packing"

The 7th Birmingham Environment for Academic Research (BEAR) Postgraduate Conference, 2016, Birmingham, UK

- "Using CFD simulations and Positron Emission Particle Tracking to Study the Mixing of Shear Thickening Fluids in a Stirred Tank"

The ChemEngDayUK2015, Sheffield, UK

- "Positron Emission Particle Tracking Inside Caverns Formed During Mixing Of Viscoplastic Fluids Of Shear Thinning And Shear-Thickening Rheology"

The 5th Birmingham Environment for Academic Research (BEAR) Postgraduate Conference, 2014, Birmingham, UK

- The Poster win the first prize: "Comparing The Performance Of Different Impellers In Mixing Viscoplastic Fluids: CFD, Theory And Experiment"
- 2nd poster presented in the conference: "Effected VOIP Service By Means Subjective Method Using MOS In LTE Network"

The 7th International Conference on Computational and Experimental Methods in Multiphase and Complex Flow, 3-5 July 2013, LA Coruña, Spain

- "Particle Tracking In Complex Flows Of Complex Fluids".

The 4th Birmingham Environment for Academic Research (BEAR) Postgraduate Conference, 2013, Birmingham, UK

- "Numerical Modelling Of Solid-liquid Suspensions In A Mechanically Agitated Vessel: CFD And Experiment"
- "Adaptive Equalizers In LTE Technology"

The 3rd BEAR Postgraduate Conference, Birmingham, 2012, UK

- "Nodulation By Rhizobium And Yield Of White Bean Responding To Different Methods Of Phosphorus And Zinc Application"

Birmingham Environment for Academic Research (BEAR) Lunch Event, 2012, Birmingham, UK

The 3rd Syrian International Chemical Conference, Aleppo -University, Syria

- "Extraction and Analysis of Some Phenolic Acids in Teucrium polium and Studying the Biological Activity of the



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Extracts"



The 2nd International Chemical Engineering Conference, University of Jordan, Amman, Jordan

- "Zeolite Catalyst For The Production Of Phenol By Reactive Distillation"

The 15th Arab Chemistry Conference (ACC-15), Syria

- "Improving the properties of plaster Iraqi by using of natural additives"

The 2nd Scientific Engineering Conference, Babylon University, Iraq

- "A Computational Fluid Dynamics (CFD) Model Simulation of An Airlift Reactor Using ANSYS-CFX Euler-Euler Model"

The 1st Conference for Women Science In Iraq, Baghdad, Iraq

- "Study Of The Impact Of Pesticide Dichlorvos in the Metabolism Of Different Types Of Moadalmaiip"

The 6th Scientific Conference Of The College Of Sciences, al-Mustansiriya University, Baghdad, Iraq

- "Extraction and Identification of Alkaloids Atropine and Scopolamine in Different Organs of *Daturametel*"

The 1st Scientific Conference of Center Of Desert Studies, Anbar, Iraq

- "Study the using of porous rock (Limestone) instead of Coarse Aggregate in the concrete"

The 3rd annual scientific conference of the College of Political Science, Al-Mustansiriya University, Baghdad, Iraq

- "The University In Community Service, The Role Of Iraqi Universities In The Dissemination Of The Culture Of Dialogue And The Consolidation Of National Unity".

The 2nd Scientific Conference Of The College Of Engineering, Al-Qadisiya, Iraq

- "Modification Of Millington And Quirk Equation For The Pore Size In Porous Media Of Mono Size Spherical Packing"

- **Workshops.**


- **March 2017:** Get Chartered, to gain Chartered Chemical Engineer status in the foreseeable future, IChemE, Aston University, UK.
- **May 2014:** Non-Newtonian Club/British Society of Rheology meeting RSSL, Reading, UK
- **May 2014:** 3MT competition, present your PhD thesis in 3 minutes
Presenting 'Complex Flows Of Complex Fluids'
- **November 2010:** Environmental Symposium for Biodiversity, Baghdad, Iraq.
- **November 2009:** Establishment Colloquium on the swine flu, Baghdad, Iraq.
- **November 2010:** TOEFL ITP
- **January 2009:** Certificate of qualifying session in educational teaching methods.
- **June 2009:** Colloquium of the Ministry of Health, Baghdad, Iraq.
- **June 2009:** Colloquium of the Water established in the Municipality of Baghdad, Baghdad, Iraq.
- **November 2008:** Environmental Symposium held , Baghdad, Iraq.

- **Training Courses.**

- Basic Radiation Awareness, Radiation (ionising and non-ionising) training sessions, Public Health England, Birmingham university, UK, will be attended in 8-5-2017.
- Basic Laser Training, Public Health England, Birmingham university, UK, will be attended in 23-5-2017.
- **Introduction to Linux**, held in the Murray Learning Centre, Birmingham university, UK, 13-4-2017.
- **BEAR Necessities course**, held in the Murray Learning Centre, Birmingham university, UK, 27-4-2017.
- **How to Write a Great Research Paper and Get it Accepted by a Good Journal**, Elsevier Publishing, held in Birmingham University, UK, 5-04-2017.
- Laser Safety Awareness, Birmingham university, UK, 28-4-2016.
- ANSYS CFX course, held in the Main Library Training Room (MLTR), Birmingham university, UK, 2016.
- ANSYS ICEM-CFD and CFX course, held in the Main Library Training Room (MLTR), Birmingham university, UK, 2014.
- 3MT course, 2014.

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- **EndNote** course, Birmingham University, UK, 6-2-2013.
- **ILT001**, held in CLAD, Birmingham University, UK, 6-12-2012.
- **PIV course** in chemical engineering department, center of formulation technology, Birmingham University, UK, 2012.
- **PEPT training course**, Birmingham University, UK, 2011-2012.
- **ANSYS ICEM-CFD** and **CFX** course, held in the **Main Library Training Room (MLTR)**, Birmingham University, UK, 2012.
- Advanced **ANSYS ICEM-CFD** and **CFX** course, held in the **Main Library Training Room (MLTR)**, Birmingham university, UK, 2012.
- **Excel (XL0703, XL0704 and XL0705)** course held in the **Learning Centre**, Birmingham University, UK, 2012.
- **Basic MatLab** course, held in the training center, Birmingham University, UK, 2012.
- Advanced **MatLab** course (Matlab programming), held in the training centre, Birmingham University, UK, 2012.
- **MatLab** course, **Cluster, chemical engineering**, center of formulation technology, Birmingham University, UK, 2012.
- **Presentation skill** course, held in Aston web building, Birmingham University, UK, 2012.
- **Office skill** course, held in the training center, Birmingham University, UK, 2012.
- **Health and safety skill** course, held in chemical engineering, center of formulation technology, Birmingham University, UK, 2011.
- **Information Skills for Engineering Researchers**, held in the Main Library Training Room, Birmingham University, UK, 2012.
- **Introduction to the Library for Engineering and Physical Science DRs.**, held in the Main Library Training Room, Birmingham university, UK, 2012.
- **Open access English classes**, held by English for international students unit in Birmingham University, UK, 2011 and 2012.
- **Fire safety** course, held in chemical engineering, center of formulation technology, Birmingham University, UK, 2011.
- A course in **human resources**, al-Mustansiriyah University College of Engineering 2010
- A course **Test for the validity of computer programming**, al-Mustansiriyah University College of Engineering 2009.
- A course **Test for the validity of teaching**, al-Mustansiriyah University College of Engineering 2009.


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