

Curriculum Vitae

Personal Information:

Name : Ali Zainalabb'deen Asker Al-Hassn
Academic position : Lecturer at University of Diyala –college of engineering
General specialization: Chemical engineering
Specific specialization: Unit Operation / Powder Technology.
Birth Date & Place : 1976/ Diyala
Nationality : Iraqi
Email : alialhassn.uod@uodiyala.edu.iq / alichemolas@yahoo.com



Educational Qualifications:

B.Sc. Chemical Engineering / University of Baghdad // Baghdad -Iraq. (English Curriculum). 1994-1998
M.Sc. Laser/Chemical Engineering (2003) // Institute of laser for postgraduate studies – University of Baghdad // Baghdad -Iraq. (English Curriculum).
PhD Chemical Engineering, Unit Operation, Powder Technology (2019) / The University of Sheffield / UK

Courses and Memberships:

- *Methods of Teaching Certification 2006 // College of Education – Diyala University – Iraq.
- *English Language Certification (1998) // College of Education – Baghdad University – Iraq.
- *English language courses (2014) // ELTC – The University of Sheffield.
- * English Language Certification (2014) // ELTC – The University of Sheffield.
- *Member of Iraqi Engineers Union (IEU) since 1999.
- *A number of courses at The University of Sheffield related with the Engineering skills.

Languages:

- Arabic: (native speakers)
- English: reading, writing and speaking (good).
- Turkish: Kurdish (Native speaker)

Computer skills:

- Windows and Microsoft office.
- Chem. Eng. Designing Software: interested with (SuperPro designer, ChemCAD)
- Linux (Ubuntu).
- DEM (LIGGGHTS, EDEM)

Special interests:

- Particle and drop size measurement.
- Heat transfer in chemical processes.
- Powder technology / Granulation.
- Particle motion simulation.

Employment and affiliation:

- Employed as lecturer at University of Diyala / College of Engineering/ since 2006.
- Instructor of MSc and MEng student at The University of Sheffield / CBE, 2018-2019.

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Teaching/Supervising experience (since 2007):

Tutor of the following modules:

- **Mathematics (Calculus)**
- **Heat transfer**
- **Engineering drawing**
- **Engineering mechanics / statics**
- **Strength of materials**
- **Thermodynamics**
- **Process dynamics and control**

Supervising a number of MEng students and MSc student at The University of Sheffield/CBE (2017-2018)

Published Research:

- Microdrop size measurement in mixing unit using laser technique, Iraqi Journal of Laser, ISSN 1812-1195, Vol.2, 2003.
- Computation of hydrodynamic characteristics of water flow in electrical submersible pump, Diyala Journal of Engineering Sciences 5 (2), 37-51, 2012.
- Evaluation of local voidage in two phase system by optical method, Diyala Journal of Engineering Sciences 6 (4), 70-80, 2013.
- The study of temperature distribution on a cylinder of suzuki 250gsx engine fueled with gasoline blends using finite element analysis, Diyala Journal of Engineering Sciences 7 (2), 154-147, 2014.
- Al hassn, A.Z., Jeßberger, S., Hounslow, M.J., Salman, A.D., 2018. Multi-stage granulation: An approach to enhance final granule attributes. Chemical Engineering Research and Design, 134, pp.26–35.
- Al hassn, A.Z. Washino, K., Chan, E.L., Hounslow, M.J., Salman, A.D., Granular Flow in an Intensive Mixer. Poster presentation at the 7th International Granulation Workshop, Sheffield, UK. 1st – 3rd July 2015
- Al hassn, A.Z., Jeßberger, S., Hounslow, M.J., Salman, A.D., Multi-stage granulation: An approach to enhance final granule attributes. Conference oral presentation at the 8th International Granulation Workshop, Sheffield, UK. 28th – 30th June 2017.
- Al hassn, A.Z. Washino, K., Chan, E.L., Salman, A.D., Numerical investigation of granule flow characteristics in an intensive mixer using dem. Poster presentation at the 10th International Granulation Workshop, Sheffield, UK. 21– 23 Jun 2023.