

Assist. Lecturer: Arwa Raad Ibrahim

Department of gas refinery and petroleum

Master in chemical Engineering

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Education:

MSc, University of Baghdad, 2018

BSc, University of Baghdad, 2011

Profile:

After completing a BSc. degree in Engineering, I travelled to united kingdom/Sheffield city. During my time there, I joined the English language course at Sheffield University, and I also took language exams. I enrolled, then, in a 4CU program. After that, I completed a master's degree (MSc. at the University of Baghdad) in 2018.

Some experiences:

2014- 2nd term : External Lecturer, Chemical Engineering Department, Baghdad University, Iraq

Skills: teamwork, leadership skill, project and time management

2015-1st term External Lecturer, Chemical Engineering Department, Baghdad University, Iraq

Skills: teamwork, leadership skill, project and time management

Teaching

- 1. Equipment design:** The course content is process planning, piping and pumps network, gas-liquid separation, solid handling, heat- mass transfer equipment.
- 2. Equipment, Storage Design Using CAD :**The aim of the subject is to engage students with chemical plants by explaining to them the main items of plant design and teaching them procedures to design different types of equipment with computer programs.
- 3. Optimization:** Studying the formulation of the objective theory of optimization of a single variable using analytical and numerical methods. Determination in the solution of multi variables problems .studying and solving the linear programming problems.

4. **Physics:** The main subjects are: Mechanics, Temperature, Heat, Light (Reflection, Refraction, Wave, Nature of light, Dispersion, Colours).
5. **Labs (Numerical methods, heat transfer, mass transfer, and equipment design/computer)**

Research Focus

1. **Water/wastewater treatment**
2. **Biofuel production**
3. **Carbon dioxide utilization/removal**

Publications

1. B. A. Abdulmajeed, A. R. Ibrahim, *Journal of Engineering* **2018**, 24, 58-72.
2. B. A. Abdulmajeed, A. R. Ibrahim, *Journal of Engineering* **2018**, 24, 51-63.
3. A. R. Ibrahim, B. A. Abdulmajeed, *Iraqi Journal of Chemical and Petroleum Engineering* **2018**, 19, 1-9.