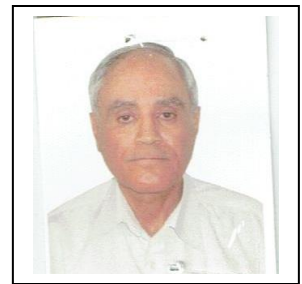


# **Assist. Prof. Abdu-Fattah Mohammed Ali Abdul-Fattah.**



**Department of Oil and gas refinery engineering**

**Assist. Professor of chemical Engineering**

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## **Education:**

**PhD, University of Aston/B ham Year 1976**

**MSc, University of Year**

**BSc, University of Baghdad, Year 1970**

## **Profile:**

- **Lecturer . Dept.chem.Eng.college of eng .Baghdad univ. , 1977-1982.**
- **Deputy Head of process Design dept. IAEO , 1982-1987**
- **Head of process Eng.Dept.,IAEO – Frist Group , 1987-1992**
- **Consultant , first group ,MIC-Majd Gen. Co. Ministry of science and Tech.,1992-2006.**
- **Lecturer. Dept. Env. Eng. College of Eng. Baghdad univ., 2007-2018.**
- **Lecturer. Dept. oil, gas Ref. Eng. Al-farabi univ. College 2018-present.**

## **Teaching**

- **Heat transfer for 3<sup>rd</sup> year . Conductive , convective , and radiation heat transfer .**
- **Process Dynamics and control . Dynamic characteristics of various systems and their control loops.**

## **Research Focus**

- **Fluid flow systems.**
- **Fluid mixing systems.**
- **Wastewater treatment units .**
- **Hydrodynamic cavitation systems.**

## **Publication**

- 1- **Analysis correlations of dimensionless numbers Relevant to Orifices' cavitating flow , IIUM Eng.J. , vol.21,No.2,2020.**

- 2- Model-based Design of a pilot circulating bed membrane Bioreactor for sewage treatment , J. Env. Research, Eng. And management , vol.73/No.2/2017.**
- 3- On the time lag of a first – order process's sinusoidal response , Control theory and informatics , vol.3, No.5,2013.**
- 4- On the settling and Response Times of under damped second –order systems , IIUM Eng.J. vol.12 , No.5, 2011.**
- 5- Reuse of domestic wastewater for irrigation : conceptual and basic design elements , I.J.C.P.E., vol.12, March 2011.**
- 6- Mathematical models application for natural organic matter adsorption onto activated carbon, desalination and waster treatment , 24(2010).**
- 7- Natural organic matter removal from Tigris river water in Baghdad ,Iraq, desalination, 245(2009).**

#### **Affiliations/Activities**