

- **Supervisor for M.Sc. researches:**
 - Simulation for FCC unit.
Higher Diploma Thesis, UOT – Baghdad, 2013
 - Hydrodynamic & Kinetic Study in Ebullated Bed Reactor for H-Oil unit.
M.Sc. Thesis, UOT – Baghdad, 2014
 - Studying Performance of Hydrotreator for Mixture of Gasoil and Lighter Fractions. M.Sc. Thesis, UOT – Baghdad, 2018
Desulfurization of Petroleum Middle Distillate by Using Highly Active Unsupported Catalyst. M.Sc. Thesis, UOT – Baghdad, 2019
 - CFD study of Hydrodynamic in Ebullated Bed Reactor for H-Oil unit.
M.Sc. Thesis, University of Tikrit, 2019

- **Published Works:**
 - “Mathematical Analysis of Ozonation Process in Bubble Column”
Proceeding of 6th Engineering Conference/ College of Engineering,
5-7 APRIL 2009.
 - “Hydrodynamic Effect of Foam Control in 3 Phase Fluidized Bed
Column” Journal of Petroleum Researches and Studies, Petroleum
Researches and Development Center, December 2012.
 - “CFD Modelling for FCC Unit” First Conference of Petroleum and
Environment/ NRC, January 2013.
 - “Basic Design Methodology for a Prilling Tower” The Canadian Journal
of Chemical Engineering, May 2015.
 - “Hydrodynamic & Kinetic Study in Ebullated Bed Reactor for H-Oil
unit” Book, 1st edition, Noor Publishing, Germany, 2016
 - “Hydrodynamic Study of an Ebullated Bed Reactor in H-Oil Unit” The
Iranian Journal of Science and Technology, March 2

 - “Modeling and Kinetic Study of an Ebullated Bed Reactor in H-Oil
Unit” Arabian Journal of Science and Engineering, 2017.
 - “Study on Hydrodesulfurization of a Mixture of Middle Distillates”
Arabian Journal of Science and Engineering, 2017.
 - “Study on novel scheme for Hydrodesulfurization of a Mixture of
Middle Distillates using different catalysts” Journal of King Saud
University, Engineering Sciences, 2019.
 - “CFD study of Hydrodynamic in Ebullated Bed Reactor for H-Oil unit”
A paper under review.
 - Plus several conference and workshop papers.