

CURRICLUM VITA

PERSONAL DATA

Name: Omar Yasser Abdelaziz

Present Position: Teaching Assistant

Affiliation: Department of Chemical Engineering, Faculty of Engineering, Cairo University

Field of Specialization: Organic Technology and Petroleum Processing

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Date of Birth: 11 November 1991

Nationality: Egyptian

ACADEMIC QUALIFICATIONS

B. Sc. In. Petroleum and Petrochemical Engineering

PROFESSIONAL EXPERIENCE

- Chemical Engineering Department, Cairo University, Faculty of Engineering, **Teaching Assistant**, 2013- Present.
- Petroleum and Petrochemical Engineering Program, Credit Hours System, Faculty of Engineering, Cairo University, **Teaching Assistant**, 2013- Present.

TEACHING EXPERIENCE

1. Undergraduate Courses

- Petroleum Refining Engineering
- Introduction to Petroleum Industry
- Petroleum Standards
- Cryogenic Processes and Engineering
- Petroleum Field Operations

- Multi-Course Project
- Organic Chemistry
- Engineering Chemistry

2. Postgraduate Courses

- Chemical Process Modeling and Simulation
- Process Integration for Green Engineering

Patents and Publications

- **Abdelaziz, O.Y.**, Gadalla, M.A. and Ashour, F.H., An Optimum Energy Integrated Process Design for a Biomethanol Plant in Egypt, The 64th Canadian Chemical Engineering Conference (CSCHE), Niagara Falls, Ontario, Canada, October 19 – 22, 2014.
- **Abdelaziz, O.Y.**, Gadalla, M.A. and Ashour, F.H., Simulation of Biomethanol Production from Green Syngas through Sustainable Process Design, The 4th International Conference on Simulation and Modeling Methodologies, Technologies and Applications (SIMULTECH), Vienna, Austria, August 28 – 30, 2014.

PROFESSIONAL ACTIVITIES

- Member of the Chemical Institute of Canada (CIC)
- Member of the Institute for Systems and Technologies of Information, Control and Communication (INSTICC)

AWARDS

- Won the first place in the science competition held on the 6th of March 2012 in the Faculty of Engineering at Cairo University concerning the Renewable Energies & Energy Efficiency.

Area of Research

- Biorefineries
- Process Simulation
- Process Integration
- Waste Valorization