CURRICLUM VITA

## PERSONAL DATA

Name: Hassan Ibrahim Abou Bakr Khalil Shimi

Present Position: Assistant Lecturer

Affiliation: Faculty of Engineering - Cairo University

Field of Specialization: Chemical Engineering

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Date of Birth: October 1st, 1988

Nationality: Egyptian

## ACADEMIC QUALIFICATIONS

1. B. Sc. in May 2010
2. M.Sc in December 2013

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Thesis Title: "Biodiesel Production from *Spirulina-platensis* Microalgae using Reactive Extraction Methodology"

1. Ph.D. in.

Thesis Title: “Jojoba Oil as Lubricant for Turbo-Jet Engine or as Jet Bio-Fuel”.

#### PROFESSIONAL EXPERIENCE

Name of Employer Duration Position Held

##### M.Sc and PH.D SUPERVISED

##### … awarded M. Sc and … Ph. D; … M. Sc and … Ph. D under supervision.

##### TEACHING EXPERIENCE

1. Undergraduate Courses Applied Chemistry (Preparatory year/ 1st and 2nd terms), Organic Technology (3rd year/1st term) and Petrochemicals and Natural Gas Engineering (3rd year/2nd term).
2. Postgraduate Courses
3. B.Sc. PROJECTS SUPERVISED

**Patents and Publications**

**H. I. El-Shimi**, N. K. Attia, S. T. El-Sheltawy and G. I. El-Diwani, "Biodiesel Production from *Spirulina-Platensis* Microalgae by In-Situ Transesterification Process". *Journal of Sustainable Bioenergy Systems*, 2013, 3, 224-233.

**El Shimi, H**; Attia, N; El-Sheltawy, S and El-Diwani, G, "Reactive Extraction of Microalgae for Biodiesel Production: an Optimization Study". The Thirtieth International Conference on Solid Waste Technology and Management, Philadelphia, PA, USA, March 15 – 18, 2015 (Accepted).

**H. I. El Shimi**, N. K. Attia, A. A. Abdel-Allah, S. T. El Sheltawy & G. I. El Diwani, "Quality Profile of *Spirulina-platensis* Oilgae Extraction for Biodiesel Production". *Indian Journal of Applied research*, Jan 2015 (Accepted).

**H. I. El Shimi**, N. K. Attia, S. T. El Sheltawy and G. I. El Diwani, "Reactive Extraction Processing of *Spirulina-platensis* Microalgae to produce Biodiesel: Kinetics Study". *International Journal of Engineering, Science and Innovative Technology (IJESIT),* 2015 (Accepted).

###### PROFESSIONAL ACTIVITIES

**AWARDS**

**Area of Research:**

Bio-Energy Sources (Bio-fuels), Solar Energy, Environmental Engineering (Solid Waste Utilization, Wastewater Treatment, Air Pollution Control), Petrochemicals Industries & Plant and Process Economics.