

Edris, Gaber

Assistant Professor, Department of Chemical and Materials Engineering, King Abdulaziz University

Education

<i>Degree</i>	<i>Field of Study</i>	<i>Institution</i>	<i>Year</i>
PhD	BioChemical Engineering	Ins. Nationale Polytechnique de Toulouse, France	2002
DEA	BioChemical Engineering	EcoleCentrale Paris, France	1998
MS	Chemical Engineering	Alexandria University, Egypt	1994
BS	Chemical Engineering	Alexandria University, Egypt	1990

Academic Experience

<i>From</i>	<i>To</i>	<i>Institution</i>	<i>Rank</i>	<i>Title</i>	<i>Full or Part Time</i>
1990	1996	Alexandria University, Egypt	Demonstrator		Full Time
1996	1998	EcoleCentrale de Paris, France	Res. Assist.		Full Time
1998	2002	Institute Nationale Polytechnique de Toulouse, France	PhD Candidate		Full Time
2002	2006	Alexandria University, Egypt	Assist. Prof.		Full Time
2006	2015	King Abdulaziz University	Assist. Prof.		Full Time
2015	Present	King Abdulaziz University	Associate Prof.		Full Time

Non Academic Industrial Experience (including Consultations)

<i>From</i>	<i>To</i>	<i>Company/Entity</i>	<i>Title</i>	<i>Position Description</i>	<i>Full or Part Time</i>
None					

Funded Research Projects and Patents from the Past Five Years

1.	Waleed Alalayah, Gaber Edris, Abdulrahim Alzahrani and Yahia Alhamed, Biohydrogen production by Chlorella vulgaris in a solar flat plate bioreactor - Project funded by Deanship of Scientific research, King Abdulaziz University, February 2014
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Certifications and Professional Registrations

None

Current Membership in Professional Societies and Organizations

<i>Society/organization</i>	<i>Rank</i>	<i>Member Since</i>
1. Chemical Engineers Society, Egypt	Member	1990
2. Société de Génie des Procédés, France.	Member	1998
3. The American Society of Microbiology	Member	2004

Honors and Awards

None

Institutional and Professional Services (administration, committees, units, etc.)

1.	Member, Academic Accreditation Committee in Chemical & Materials Eng. Dept. at King Abdulaziz University. 2007 – 2012.
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2.	Coordinator, Academic Accreditation Committee in Chemical & Materials Eng. Dept. at King Abdulaziz University. 2012 – Date.
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Principal Publications/Presentations from the Past five Years	
1.	Ayhan Demirbas, Hisham S. Bamufleh, Gaber Edris & Basil Omar Al-Sasi, Biodiesel production from lipids of municipal sewage sludge by direct methanol transesterification, Energy Sources, Part A: Recovery, Utilization, and Environmental Effects , Volume 39, 2017 - Issue 8, p. 800-805
2.	Ayhan Demirbas& Gaber Edris, Biofuels production from microalgae by liquefaction and supercritical water pyrolysis, , Energy Sources, Part A: Recovery, Utilization, and Environmental Effects , Volume 39, 2017 - Issue 8, p. 827-834
3.	Ayhan Demirbas, Gaber Edris & Walid M. Alalayah, Sludge production from municipal wastewater treatment in sewage treatment plant, Energy Sources, Part A: Recovery, Utilization, and Environmental Effects , p. 1-8, Published on line 04 April 2017, http://dx.doi.org/10.1080/15567036.2017.1283551
4.	Gaber Edris, Walid M. Alalayah, Yahia A. Alhamed, and A.A. Alzahrani, Modeling hydrogen production using <i>green algae Chlorella vulgaris</i> utilizing Neural Networks, International Journal of Advance Engineering and Research Development, (2016) 3:162-168
5.	WALID M. ALALAYAH*, YAHIA A. ALHAMED, ABDULRAHIM AL-ZAHRANI, GABER EDRIS, Influence of Culture Parameters on Biological Hydrogen Production using <i>Green Algae Chlorella Vulgaris</i> , REV. CHIM. (Bucharest) (2015), 66 No. 6, 788-791
6.	Yahia Alhamed, Gaber Edris , Yasser GadElhaq, Performance Evaluation of a Bubble Column Photobioreactor for Carbon Dioxide Sequestration by <i>Chlorella vulgaris</i> , Arab J Sci Eng (2014) 39:8453–846
7.	Walid Alalayah, Yahia Alhamed, Abdulrahim Al-Zahrani, Gaber Edris , Hamad A. Al-Turaif, Benefits from Using an Artificial Neural Network as a Prediction Model for Bio-hydrogen Production, REV CHIM-BUCHAREST ISSN 0034-7752, 04/2014; 65(2014):1.
8.	Gaber Edris , Yahia Alhamed, Abdulrahim Alzahrani, Biosorption of Cadmium and lead from aqueous solutions by <i>Chlorella vulgaris</i> biomass: Equilibrium and kinetic study, Arabian Journal for Science and Engineering, Volume 39, Issue 1 (2013), Page 87-93

Recent Professional Development Activities (Workshops, training, etc.)	
1.	Walid M. Alalayah, Yahia A. Alhamed, Abdulrahim Al-Zahrani and Gaber Edris, Experimental Investigation Parameters of Hydrogen Production by Algae <i>Chlorella Vulgaris</i> , International Conference on Chemical, Environment & Biological Sciences (CEBS-2014) Sept. 17-18, 2014 Kuala Lumpur (Malaysia)
2.	IDEAL workshop (30 hours) organized by IDEAL Institute for the Development of Excellence in Assessment Leadership, Gloria J Rogers, ABET Foundation, Jeddah, Saudi Arabia, 16 - 19 September, 2013