

CURRICULUM VITAE

Kamal E. M. Elkahlout; Ph.D. of Biotechnology



PERSONAL INFORMATION

Surname, Name: Elkahlout E. M., Kamal

Nationality: Palestinian (Palestine)

Date and Place of Birth: July 24 1967, Palestine-Jabalia

Marital Status: Married with seven children

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EDUCATION

Degree	Institution	Year of Graduation
Ph.D.	Middle East Technical University (METU), Turkey	2011
M.Sc.:	Middle East Technical University (METU), Turkey	2002
B.Sc.:	The Islamic University of Gaza (IUG), Palestine	1992
High School:	Al-Faloja High School, Jabalia - Palestine	1985

WORK EXPERIENCE

Year	Place	Enrolment
1994-1999	The Islamic University of Gaza (IUG), Department of Biology	Teaching Assistant

2002-2003	The Islamic University of Gaza (IUG), Department of Biology	Acting Vice-Chairman
2002-2005	The Islamic University of Gaza (IUG), Department of Biology	Lecturer
2005-2011	Middle East Technical University, Hydrogen Research Lab.	Ph. D. Researcher
2011- up to date	The Islamic University of Gaza (IUG), Department of Biology	Assistant Prof. of Biotechnology
2011- 2012	The Islamic University of Gaza (IUG), Department of Biology	Department of Biology, Vice Chairman
2011- 2012	The Islamic University of Gaza (IUG), Faculty of Science	Chairman of Academic Quality Committee
2012- 2014	The Islamic University of Gaza (IUG), Faculty of Science	Chairman of Biology & Biotechnology Department
2014- 2015	Consultant of Biotechnology, Biofuel, Biogas production and Bioprocess technology.	AKNAN TECH Company, Gaza
2018/2 nd semester	Part-time lecturer, Microbial Biotechnology	University of Palestine, Faculty of Pharmacy & Biotechnology

LANGUAGES

Arabic (Native), **English** (Fluent), **Hebrew** (Good), **Turkish** (Fair)

Ph. D. Thesis

“Phototrophic Hydrogen Production by Agar-Immobilized *Rhodobacter capsulatus*”

M.Sc. Thesis

“Effect of *Halobacterium halobium* S-9 on Hydrogen Production by *Rhodobacter sphaeroides* O.U.001 in a Column Photoreactor”

PUBLICATIONS

Zabut B., **El-Kahlout K.**, Yücel M., Gündüz U., Türker L., Eroğlu İ. 2006 "Hydrogen gas production by combined systems of *Rhodobacter sphaeroides* O.U.001 and *Halobacterium salinarum* in a photobioreactor" International Journal of Hydrogen Energy, 31, 1553-1562

Bashiti A. T., **El-Kahlout K.**, Majed Sh. Hammad Sh. M., Zabut M. B., 2009 "Baker's Yeast Production from Cactus *Opuntia Cladodes* Extract: Optimization of pH and Temperature" The Islamic University Journal (Series of Natural Studies and Engineering), 17 (2) , 11-27

Elmanama A. A., **Elkahlout K.**, Elnakhala S., 2013 " Occurrence of *Salmonella* in Fresh and Frozen Meat in the Gaza Strip" Journal of Purity, Utility Reaction and Environment Vol.2 No.6, December 2013, 142-152

Tarek Elbashiti., Afaf Alkafarna., **Kamal Elkahlout.**, "Bioethanol Production by Immobilized *Saccharomyces cerevisiae* using Different Lignocellulosic Materials" IUGNS, Vol 25, No 1, 2017, pp 30-39

Tarek A. El-Bashiti., Usama A. Mansour., **Kamal E. Elkahlout.**, 2017 "Production of Bioethanol from Olive Solid Waste "JEFT" IUGNS, Special Issue, March, 2017, pp 117-127

Kamal Elkahlout., Siamak Alipour., Inci Eroglu., Ufuk Gunduz., Meral Yucel., " Long-term biological hydrogen production by agar immobilized *Rhodobacter capsulatus* in a sequential batch photobioreactor" Bioprocess and Biosystems Engineering April 2017, Volume 40, Issue 4, pp 589–599

Kamal E. El-Kahlout., Amani A. Abu Rahma., Tarek A. El-Bashiti., Nizam M. El-Ashgar., " Biohydrogen Production by Modified Anaerobic Fluidized Bed Reactor (AFBR) Using Mixed Bacterial Cultures in Thermophilic Condition" IUGNES Vol 25, No 3, 2017, pp 21-32

Emrah Sagir, Siamak Alipour, **Kamal Elkahlout**, Harun Koku, Ufuk Gunduz, Inci Eroglu, Meral Yucel., 2017 "Scale-up studies for stable, long-term indoor and outdoor production of hydrogen by immobilized *Rhodobacter capsulatus*" International Journal of Hydrogen Energy, 42 (2017) 22743-22755.

Kamal El Kahlout, Abboud Y. El Kichaoui, Ashraf A. Shafei, Farida N. Mosleh, Sabreen El Mazloom, Ismail M. El Quqa, Mahmoud W. El Hindi.
2018 "ANTIBACTERIAL & ANTIFUNGAL POTENTIALITY OF RICINUS COMMUNIS & COLEUS FORSKOHLII ON SOME HUMAN PATHOGENIC

MICROORGANISMS". World Journal of Pharmacy and Pharmaceutical Sciences.
(Accepted).

CONFERENCES

- Yücel M., **El-Kahlout K.E.**, Zabut, B.M., Gündüz, U., Türker L., Eroglu, I., "Effect of Bacteriorhodopsin on Hydrogen Gas Production by *Rhodobacter Sphaeroides* O.U.001 in a Photobioreactor" "COST-841 Working Group-3 Workshop on Biosynthesis and Regulation of Hydrogenases", , (2002), p.67.
- Zabut B., **El-Kahlout K.**, Yücel M., Gündüz U., Türker L., Eroğlu İ. 2005 " HYDROGEN GAS PRODUCTION BY COUPLED SYSTEMS OF RHODOBACTER SPHAEROIDES O.U.001 and HALOBACTERIUM SALINARUM IN A PHOTOBIOREACTOR" Proceedings of International Hydrogen Energy Congress and Exhibition IHEC 2005 Istanbul, Turkey, 13-15 July 2005.
- **Elkahlout K.**, Eroğlu I., Gündüz U., Yücel U., 2010 "HYDROGEN PRODUCTION BY PHOTOSYNTHETIC BACTERIA RHODOBACTER CAPSULATUS IMMOBILIZED IN AGAR GEL" 10th International Conference on Clean Energy (ICCE-2010) Famagusta, N. Cyprus, September 15-17, 2010
- **Elkahlout K.**, Eroğlu I., GÜNDÜZ T., Yücel M., 2011 "A novel Immobilized System for Hydrogen Production by *Rhodobacter capsulatus* in Panel Photobioreactor" accepted abstract for oral presentation, INTERNATIONAL CONFERENCE ON HYDROGEN PRODUCTION (ICH₂P), JUNE 19-22, 2011, Thessaloniki, GREECE
- Tarek A. El-Bashiti., Usam A. Mansour and **Kamal E. Elkahlout.**, 2017 "Production of Bioethanol from Olive Solid Waste "JEFT"" The Sixth International Conference on Science and Development., 14-15 march 2017, The Islamic University of Gaza, Gaza, Palestine.

COURSES & WORKSHOPS

- Test of English as a foreign language, May, 1998. **Score, 540.**
- GRE test, May 1999. **Score, 1380.**
- Attended practical training course on public Health and Sea-shore quality (Aug. 1996) by the British Council – Gaza and the Islamic University of Gaza.

- Attended practical training course on Food Microbiology (July. 1996) by the Islamic University of Gaza -Gaza.
- Attended a training course in PCM, project management cycle and log-frame approach (Jan, 2003) by the Islamic University of Gaza.
- Attended practical training course in webpage design (April, 2003) by the Islamic University of Gaza.
- Attended practical training course in webct program (October, 2003) by the Islamic University of Gaza.
- Attended “Workshop On HPLC, Separation Modes, Applications And The Further Systems” held on 25-26 June 2009, in METU Central Laboratory, Molecular Biotechnology R & D Center, Ankara, Turkey.

SUPERVISED M.Sc. THESES

- El Nakhala, Shorok. R. 2013 “Detection of *Salmonella species* in fresh and frozen meat in Gaza Strip”, Faculty of Science, IUG, Gaza.
- Abu Rahma, Amani 2013 “Optimization of Biohydrogen Production by Modified Fluidized Bed Bioreactor Using Mixed Bacterial Cultures in Thermophilic Conditions”, Faculty of Science, IUG, Gaza.
- Mansour, Osama, 2014 “Production of Bioethanol from Olive Solid Waste "JEFT """, Faculty of Science, IUG, Gaza.
- Alkafarna, Afaf Deeb 2015 ” Bioethanol Production by Immobilized *Saccharomyces cerevisiae* using Different Lignocellulesic Materials" , Faculty of Science, IUG, Gaza.
- Wasseem Abdullah Ali Al Borsh 2016 " Evaluation of Antibacterial And Synergistic/Antagonistic Effect of some Medicinal Plants Extracted By Microwave And Conventional Methods" , Faculty of Science, IUG, Gaza.
- Mohannad M. Kurraz 2016 "The Effect of Microwave and Alkaline Treatment on Biogas Production from Organic Fraction of Municipal Solid Waste" , Faculty of Science, IUG, Gaza.

- Najwa T. Alborn "Serum Vaspin Level in Type 2 Diabetic Patients from Gaza Strip" , Faculty of Science, IUG, Gaza.
- Hana M. Muhanna 2017 "Corin Status and Some Biochemical Parameters among Chronic Kidney Diseased Male Children in Gaza Strip" , Faculty of Science, IUG, Gaza.
- Dunia M. Z. Abu Humaid 2017 "Alkali-Microwave Pre-treatment of Wheat Straw for Production of Biogas by Anaerobic Digestion" , Faculty of Science, IUG, Gaza.

TEACHING COURSES:

I am in charge of teaching several courses for undergraduate and postgraduate levels at the Department of Biology and Biotechnology.

Undergraduate Courses

- Industrial Biotechnology
- Environmental Biotechnology
- Bioseparation Techniques
- Food Biotechnology
- Advanced Biochemistry

Postgraduate Courses

- Advanced Bioprocess Engineering
- Applied Biotechnology, Special Topics (Nanobiotechnology)
- Enzyme Engineering and Technology
- Proteomics and Genomics
- Hormones and Enzymes

MAIN RESEARCH FEILDS:

- Alternative and Renewable Energy Sources including.
- Biogas production, hydrogen production, production of ethanol.
- Biomass Production Technology for energy production (Biodiesel production).
- Biomass technology as fertilizers and animal feedstock.
- Leader of hydrogen & biofuel research group (HBRG) at the Islamic University of Gaza.

- Very good knowledge & interests in solar and wind energy
- A researcher and research supervisor in Cancer research lab at Department of Biology and Biotechnology, The Islamic University of Gaza.

HOBBIES

Reading, light sports and social & cultural activities.