

Curriculum Vitae

Name : Zahraa.A.Jarjes

Work : Lecturer/ faculty of science/ University of Duhok

Address : Duhok/ Iraq

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Date of Birth: 16 -10 – 1978

Place of Birth: Iraq – Mosul

Citizenship : Iraqi

Gender: female

Marital Status: married

Spouse's Name: Muataz B. Aziz

Spouse's Qualifications: master in educational administration and management from school of education / university sains Malaysia

Children: :Lugman M .Basheer
Abdulrahman M.Basheer

Education

1. Degree	<i>Bachelor's Degree</i>	<i>Master's Degree</i>	<i>pH.D Degree</i>
2. University	University of Mosul	University of Mosul	University of Malaya
3. Duration	From 1996 To 2000	From 2000 To 2003	From 2008 To 2012
4. Programme Mode	Course work	Mix mode	Research
5. Area of Research	chemistry	Chemistry Biochemistry	Chemistry Bioelectrochemistry
6. Grade	v.good	Expellant	pass

Professional Qualifications

Awards

University of Malaya Postgraduate Incentive grant

University of Malaya Postgraduate Fellowship awarded.

Publications

Journals

1. Z.A. Jarjes, M.R. Samian, S. Ab Ghani, Electrochemical study of glycerol of cooking palm oil with glycerol dehydrogenase at polymers modified electrodes, *Int. J. Electrochem. Sci.*, **6** (2011) 1317 – 1330
2. Z.A. Jarjes, M.R. Samian, S. Ab Ghani, Electro-oxidation of glycerol from cooking palm oil by dehydrogenase enzymes immobilized on poly (*o*-phenylenediamine) modified electrode. *Journal of Materials Science and Engineering B*, (1) 601-610.
3. Z.A. Jarjes, M.R. Samian, S. Ab Ghani Bio-electrode in Mechanistic Study of Lipoxigenase with Fatty Acids from Cooking Palm Oil. *The Open Electrochemistry Journal*, 4, 2012 , 13-19
4. Z.A. Jarjes, M.R. Samian, S. Ab Ghani, Conductive polymers: Their preparations and catalyses on NADH oxidation at carbon cloth electrodes, accepted in the *Arabian journal of chemistry*.

Conference

1. Z.A. Jarjes, M.R. Samian, S. Ab Ghani, Development of modified electrode for the mechanistic study of lipoxygenase and fatty acids of cooking palm oil, **International conference for young chemists 3rd ICYC 2010**, P. 65
2. Z.A. Jarjes, M.R. Samian, S. Ab Ghani, Electrochemical Oxidation of Glycerol of Cooking Palm Oil by Dehydrogenase Enzymes on Polymer Modified Carbon Electrode , **the 24th Regional Symposium of Malaysia Analytical Sciences (SKAM24)**, 21 - 23 November 2011.
3. Z.A. Jarjes, M.R. Samian, S. Ab Ghani, Synthesis, Characterization of Polymers and their Applications in NADH Oxidation on Carbon Cloth Electrodes, **the 12th Pacific Polymer Conference (PPC12)**, November 13 to 17, 2011.

Employment History

- 1- Lecturer (full time)
Teaching (Biochemistry) subject for under graduate students in the faculty of science/ University of Duhok and M.Sc students
From 1/09/2011 until now
- 2- Lab instructor (part time)
Instructor of analytical chemistry lab for under graduated students in the School of chemical science, Universiti Sains Malaysia
From 1 January 2009 until 2011
- 3- Assistant Lecturer (full time)
Teaching (biochemistry, analytical chemistry, organic chemistry) subjects for under graduate students in the College of science/ University of Duhok
From 11/09/2007 to 23/06/2008
- 4- Assistant Lecturer (full time)
Teaching (biochemistry, analytical chemistry, organic chemistry) subjects for under graduate students in the College of education/ University of Duhok
From 28/12/2005 to 11/09/2007
- 5- Lab instructor (full time)
Instructor of biochemistry lab for under graduated students in the College of medicine / University of Mosul
From 24/04/2004 to 13/05/2005

References

- 1- Prof. Sulaiman Ab Ghani
Phone: +6 04 6534030, fax: +6 04 6574854, e-mail: sag@usm.my
- 2- Associate professor Mohd Razip Samian
e-mail: razip.samian@gmail.com

Interests

My doctoral dissertation was conducted under the direction of Prof. sulaiman AB Ghani, looks at the electrochemical study of cooking palm oil by four enzyme systems namely, (1) lipoxygenase, (2) Glycerol dehydrogenase, (3) Alcohol dehydrogenase, (4) bienzyme system of Alcohol dehydrogenase and aldehyde dehydrogensae. These enzymes were immobilized in modified Nafion membrane on the carbon electrode. Some of these enzymes were immobilized on polymer modified electrodes. These electrodes were successfully constructed which can be used in the future as a cathode and anode in the development of membraneless biofuel cell in which the polymer electrolyte membrane (a separator between the anode and cathode compartments) is eliminated. The usage of inexpensive biological substrate like cooking palm oil will make it ideal for power generation in biofuel cell. In addition to this cooking palm oil biofuel cell is a biological safe system to be implemented in living organisms.