

CURRICULUM VITAE

Personal Information:

Name: Fakher Jabr Aukour
Date of Birth: 2nd march 1967
Nationality: Jordanian
Marital Status: Married
Current Position: Associate Professor,

Ex-Dean Assistant- Fac. of Natural resources and Env.

Ex- land management and Environment Head.

Work Address: Dept. of Land Management and Environment. Faculty of Natural Resources and Environment- The Hashemite University.

P.O. Box 150459, Zarqa 13115, Jordan Home Address: Irbid 22110, P.O.Box: 4010

Telephone: +962799- 939573; +962 27020456 E.mail.:- fakagr67@hu.edu.jo

fakagr67@hotmail.com

HIGHER EDUCATION

1 - Ph.D. In Environmental Quality: Agricultural Chemistry- heavy metal contamination.

(Soil Impact Evaluation). 2002 with Honor degree. University of Murcia – Spain

Thesis title: Evaluation of Degradation and Contamination of Soils by Salts and Heavy Metals in Red Mediterranean Soils

2 - Master in Environmental Quality. Environmental Audit, Monitoring and Assesment 2000. Faculty of Chemistry - University of Murcia - Spain.

Part One: Evaluation of Environmental Impacts: DUMP OF INERTS.

Part two: environmental audit (company of cuts and refined of natural rock).

3- B. Sc. Plant Production Science. 1989. University of Jordan - Jordan

PROFESSIONAL EMPLOYMENTS

1- Associate Professor, 25-08-2014.

- 2- **Assistant Professor A**, Feb. 2008– 25/8/2014), Department of Land Management and Environment, Faculty of Natural Resources and Environment, **Hashemite University, Zarqa, Jordan.**
- 3- **Assistant Professor**, (August, 2007- March 2008), Department of Land Management and Environment, Faculty of Natural Resources and Environment, **Hashemite University, Zarqa, Jordan.**
- 4- **Full-Time Lecturer**, (September 2003– August , 2007) Department of Land Management and Environment, Faculty of Natural Resources and Environment, **Hashemite University, Zarqa, Jordan.**
- 5- **Part-time lecturer**, The Hashemite University, First semester - Academic year 2002 / 2003.
- 6- **Part-time lecturer**, Jordan University of Science and Technology, First Semester – Academic year 2002/ 2003.
- 7- **Part- Time lecturer**, Jordan University of Science and Technology, Second semester, Academic year 2002/2003.
- 8- **Part- Time Lecturer**, Faculty of Natural resources and Environment – Department of Land Management and Environment. 2003 – 2008.

ADMINISTRATIVE ACTIVITIES:

- a. **Chairman of the Department of land management and Environment** – Fac. of Natural Resources and Environment – Hashemite University. September 2009 – september 2010.
- b. **Assistant Dean**, Faculty of Natural Resources and Environment. **2011-2012; 2012- 2-13; 2013-2014.**

New Research and consultations:

- 1- دراسة تطوير وخصخصة القطاع الزراعي في دولة قطر . دراسة استشارية من خلال مركز الدراسات الزراعية والبيئية القطري. 2005.
- 2- Abandoned Quarry Reclamation in Greater Amman Municipality Submitted through Jordanian Society for Desertification Control and Badia Development. The Hashemite University - Faculty of Natural Resources and Environment. And Greater Amman municipality.
- 3- FFF (Faculty For Factory program) Diagnostics Study: Studying of possibility of using marble sludge as construction material by evaluating the physicochemical properties.
- 4- Jojoba plants as premeditators in arid lands and desertification control vegetative cover type. (Under preparation).

Innovations and Supervised Projects

- 1- Environmental friendly Innovations: convert inert solid waste materials into valuable products in term of Re-Use.
 - Using marble sludge as construction material through the manufacturing of cemented Blocks.
 - Using marble sludge as construction material through the manufacturing of cemented Pre-cast kerbs stone (road kerbs).
- 2- Environmental Quality and Health (undergraduate student projects)
 - Supervise undergraduate project: **Car wash waste water treatment and re-use**. As a participated project in JOSCO competition awards for Jordanian Universities Undergraduate students. 2016.
 - Supervise undergraduate project: **Renewable enrgy uses in Agriculture : Smart green house production**. As a winner project in JOSCO competition awards for Jordanian Universities Undergraduate students. 2016.

Dissertation Supervision

- Vegetation responses in open access areas and exclosures areas at Yarmouk Protected Area in Northern Jordan. Aladdin Omar Al-Hiyasat. Master degree of Climate Change and Dry land Sustainability. Deanship of Scientific Research and Graduate Studies. 2017. Hashemite University. Jordan.
- Germination of Jojoba seeds under the influence of different parameters. “Mohammed Nour” Mahmoud Mohammed Hajjat. Master degree of Climate Change and Dry land Sustainability. Deanship of Scientific Research and Graduate Studies. 2017. Hashemite University. Jordan

Dissertation defense member

1. GIS-Based Documentation and Geo-Environmental Assessment of Wadi Ziqlab, North Jordan; Natural and Cultural Resources. Mohammad Nabil Mohammad Sa`da. Faculty of Graduate studies. Hashemite University. 2010.
2. The effect of Olive mil wastewater (OMW) on germination and growth of selected crops. Kawther Abdel Rahman Abu Tahoona. Faculty of Graduate studies. Hashemite University. 2010.
3. Soil and crop responses to wáter stress and irrigation with different water qualities. Ali Abdullah Marouf Ghanim. Faculty of Graduate studies. Jordan University of Science and Technology. 2010.
4. Natural and Cultural Heritage in Humret Ma'in Proposed Area. Ra'eda Jamil Al- Masaed. Faculty of Graduate studies. Hashemite University. 2010.
5. Evaluation of the Toxicity of Nickel, Cadmium, and Copper among Persons Working in Jewelry manufacturing. Abdalrahman Albalwi. Faculty of Graduate Studies. Jordan University of Science and Technology. 2011.

6. Investigating the Relationship between Mental Retardation and Lead Intoxication. Saud Ahmad Alanazi. Faculty of Graduate Studies. Jordan University of Science and Technology. December, 2011.
7. Investigation of Cobalt and chromium Toxicity among Dental Technicians in The North of Jordan. Mansour Alshater Alsarhani. Faculty of Graduate Studies. Jordan University of Science and Technology. April of 2012.
8. Investigating of Aluminum toxicity among workers in Aluminum industry sector. Badr Salem Alanazi. Faculty of Graduate Studies. Jordan University of Science and Technology. May, 2012.
9. Treated wastewater reuse for irrigated agriculture in Al-Mafraq wastewater treatment plant site: environmental and public health issues. Shaddy Hisham Alshraah. Faculty of Graduate Studies. Jordan University of Science and Technology. December, 2012.
10. Exploring the Toxicity levels of CHOMIUM among welders. Abdulghani Mahmoud Zord. Faculty of Graduate Studies. Jordan University of Science and Technology. March, 2012.
11. Studying the role of vitamin D deficiency and depression among addictive patients. Wafa'a Sameeh Khalid Rawashdeh. Faculty of Graduate Studies. Jordan University of Science and Technology. 2014.
12. Tourist waste, and environmental impact of forest in Ajloun Municipality.

النفائيات السياحية وأثرها على البيئة الحرجية في محافظة عجلون. الطالب عمر حسن القوافنة. كلية الدراسات العليا. جامعة الاميرة سمية للتكنولوجيا. عمان – الأردن. 2016.

13. Utilization of Yeast Industry Waste (YIW) by Saccharomyces cerevisia to produce Ethanol. Mohammad Mustafa Suleiman Mohammad. Faculty of Graduate studies. Hashemite University. 2016.
14. Investigation the Surface Water Contamination and Fate in the Eastern Region of Lower Jordan River. Zainab Saleem Mohammad Abu Zaid. Faculty of Graduate studies. Hashemite University. 2016.

Edited and implemented Training courses

1. **Fakher J. Aukour, et al., 2010.** Training Agricultural Engineers, teachers in the Jordanian Ministry of Education. Hashemite University.
2. **Fakher J. Aukour. 2013.** Planning and Implementing a Training course for Libyan Agriculture Engineers, Head departments and Officers in The department of Range and Forestry - Ministry of Agriculture – Libya. At Jordanian Agricultural Engineers Association. Entitled: Range Management: Grazing Capacity measurements and the impact of over-grazing.
3. **Fakher J. Aukour., 2014.** Training Agricultural Engineers, Managers in the Jordanian Ministry of Agriculture. Entitled: Agriculture Projects: Planning and Management. At Hashemite University.

4. **Fakher J. Aukour, 2015.** Training Agricultural Engineers, Managers in the Jordanian Ministry of Agriculture. Entitled: Feasibility study of Agricultural Projects. At Hashemite University.

Summary

1- Taught several courses at undergraduate and graduate levels: such as

Jordan University for science and technology

- b- Environmental Impact Assessment.
- c- Hazardous waste management..
- d- Solid waste management. Jordan University for science and technology.
- e- Environmental Legislation. Jordan University for science and technology.

Hashemite University

- a- Land degradation and soil Conservation (undergraduate)
- b- Environmental sustainability (graduate course)
- c- Range and Protected areas Manegement (graduate and undergraduate course)**
- d- Desertication and drought control (graduate and undergraduate)
- f- Arid land conservation and management (graduate course)**
- g- Arid land Biodiversity (graduate course)**
- h- Plant Ecology (undergraduate)**
- i- Plant Production (undergraduate)**
- j- Gardening (undergraduate)**
- k- Environmental Landscape (undergraduate)
- l- Forest Model (undergraduate)**
- m- Soil Sceince (undergraduate)

Environmental education topics covered in courses taught:

- Pollution and Contamination : water, soil, air, noise; causes and fate, standards and allowed limits;
- Ecosystems destruction (biotics and abiotic effect)
- Environmental Impact Assessment.

- Weather and climate change
- Environmental Risk Assessment include HAZOP.
- Waste and dangerous waste management.
- Environmental Quality control and Alternative thinking
- Inert waste Re-use and Recycling
- Medical Waste Management (separation, segregation, incineration, management).
- Fate and Transport of pollutants.
- Environmental sustainability

Environmental Health and Quality participation activities

- 1- Member and supervisor in volunteering project in Hashemite University – Zarqa - Jordan entitled: Hashemite University Municipal waste separation, Segregation and Reuse.
- 2- Member and Supervisor in Hashemite University – Zarqa – Jordan. Old Plastic Bottles Re-use: Vertical household Garden.
- 3- Educative seminar in Um Al-Hussein orphanage –Irbed - Jordan. Oral presentation entitled: How to manage your waste: Reduce – Recycle – Reuse.
- 4- Educative Seminar in Greater Amman Municipality - Jordan. Oral presentation Entitled: Solid Waste Management.
- 5- Diar Bakr – Turkey. Workshop entitled: Quarries Invironmental Impacts. Oral presentation entitled:
- 6- Environment Brokerage event in Sevilla – Spain. Oral presentation entitled: Abandoned Old Quarries Rehabilitation and environmental Impact assessment.
- 7- Workshop on Population and Environment. Zarqa Municipality - Jordan. Oral Presentation entitled: Citizen roles and Increasing Public Participation in Municipal Solid Waste Reduction.
- 8- Environmental brokerage in Greater Amman Municipality -Jordan. Oral Presentation entitled: Incorporation of Marble Sludge in Industrial Building Eco-blocks or Cement Bricks Formulation.
- 9- Implementing plant for Marble sludge in producing building materials (cement blocks)- Al-Masri Marble Industry company- Irbed - Jordan.
- 10- Graduation project supervisor in Jordan University for Science and Technology: medical waste evaluation in Health Institution.

11-National Conference in Jarash University: Environmental Legislation conference. Oral Presentation entitled: municipal organic waste management

Previous Publications and conferences

- ii. Chemical Degradation of Soils caused by Agronomical Practices: Topographic Influence. Conference: ISCO – 2000. Buenos Aires - Argentina.
 - iii. Influencia de la Topografía en el Estudio de la Contaminación por sales en climas Semiáridas (Influence of Topography on the study of Contamination by Salts in Semi-arid Climate). Conference: 11th international Soil Conservation Organization Conference. ISCO/2000 - Buenos Aires – Argentina. 2000.
 - iv. Herramientas para el desarrollo de la metodología de protección de Lugares de Interés Geológico en el Municipio de Jumilla (Tools for the development of the methodology of protection of places of Geologic Interest in the Jumilla municipality (Autonomous Community of the Region of Murcia)). Conference: V National Meeting of the Commission of Geologic Patrimony of the Geologic Society of Spain. 2001. Molina of Segura–Murcia - Spain.
 - v. Evaluation of the assimilation of heavy metals by plants in Red Mediterranean soils. Conference: 15th International Symposium on Environmental Biogeochemistry. Biochemical Processes and Cycling of elements in the Environment. ISEB. 2001. Wrocław - Poland.
 - vi. Evaluation of the hydric dispersion of Pb, Zn and Cd in abandoned mining areas. Conference: Sixth international Conference on Biochemistry of traces elements. 2001. Guelph - Canada.
 - vii. Evaluación del riesgo de asimilación de metales pesados por las plantas en suelos de influencia minera (Evaluation of the risk of assimilation of heavy metals by the plants in soils of mining influence). Conference: VIII National Symposium - IV Iberian on Mineral Nutrition of the Plants: Mineral Nutrition in a sustainable Mediterranean Agriculture. 2001. Molina De Segura - Murcia - Spain.
- 7 - Nitrate distribution in Mediterranean red soils in the 'Campo de Cartagena ': topographic influence. Conference: international symposium on sustainable uses and management of soils in arid and semi arid regions –2002. Cartagena - Murcia – Spain.
- 9- National Conference in Jarash University: Environmental Legislation conference. Lecture about: Human Rights from Environmental point of View.

PUBLISHED STUDIES IN INTERNATIONALLY INDEXED AND PEER REVIEWED JOURNALS

- 1- H.M.Saoub, M.K.J. El-Shatnawi, I.M. Makhadmeh, N.I. Haddad and Fakher J.

- Aukour.** Clipping of *Avena sterilis* under sub-humid Mediterranean conditions. Crop Research Journal (Vol. 29, No. 1, 2005).
- 2- **Munir J. Mohammad, Lee K. Heng, and Fakher J. Aukour.** Barley Productivity, Carbon Isotope Discrimination and Nitrogen Utilization Efficiency as Affected by Moisture Levels in Jordan. Journal of Agricultural Sciences, Vol. 3, No. 1, 2007.
- 3- **Fakher J. Aukour.** Changes take place in Health Care Waste Management practices through theoretical plan adoption and application. Umm Al-Qura Univ. J. Sci. Med. Eng. Vol.20 No.1. P61-77. 2008
- 4- **Fakher J. Aukour and Mohammad Al-Qinna.** Marble Production and Environmental Constrains: Case Study from Zarqa Governate in Jordan – 2007- The Jordan Journal of Earth and Environmental Sciences. 2008.
- 5- **Fakher J. Aukour.** Feasibility Study of Manufacturing Eco- Blocks Concrete Using Marble Sludge powder as Raw Materials. Oral presentation in Fourth International Conference on Sustainable Development and Planning. Cyprus. May 2009.
- 6- **Abdul Latief A. Al-Ghzawi, Emad Bsoul, Fakher aukour, Zakaria Al-Ajlouni, Maram Al-Azzam and Mohammad M. Ajlouni .** Genetic Variation for Quantitative Traits In Jordanian Lentil Landraces. Journal of Advances in Environmental Biology, 5(11): 3676-3680, 2011.
- 7-**Fakher J. Aukour.** Incorporation of Marble Sludge in Industrial Building Eco-blocks or Cement Bricks Formulation. Jordan Journal of Civil Engineering, Volume 3, No. 1, 2009.
- 8-**Fakher J. Aukour.** *Halopeplis amplexicaulis* (Vahl) Ung.-Sternb (Chenopodiaceae Family). Re-collection in Zarqa of Jordan. *Ecologica Balkanica*, (2013).
- 9- **AUKOUR, F. J., AL-HAMMOURI, A. and AL-GHZAWI, A. L. A.** (2013): Recovery of plant species, richness and composition in abandoned grassland in arid region. – *Acta Botanica Hungarica* **55**(3–4).

Other Publications: public awareness in desertification control: Book in Arabic:

Title: Plants and Garden Landscape: Concepts and Practices. 2006. Jordan. National Library No. 171/1/2006. Dar Osama for Publications, 2007. Pages of 289.

This book covers the fundamentals of residential design. The text provides a thorough, how-to explanation of each of the steps of the design process—from initial contact with the land to a completed master plan. The text's numerous illustrations and useful colored pictures offer a rich learning experience for students, women, house owners, non-professional farmers, and others. Whether they are just starting their design career or are a current practitioner, this valuable resource is sure to enhance their skills and knowledge. This book provides hands-on information about using plants, establishing planting beds, etc.

This book deals with the concept of community development through community awareness to understand the world of plants and how to deal with this organism, and exploiting it to be a source of income for poor families by introducing mechanisms plant propagation and how to take care of it in the garden of the house and used for economic purposes.

Certificates and attended courses

Certificate of Proficiency. In : Climate Change Science & Negotiations. An Online Course Offered By SDSN edu (Sustainable Development Solutions Network), In October 2014.

Work Experience:

- 1- Queen Alia Airport, 1990-1991. Duties: Agricultural Engineer, this post involves landscaping and land management, Number of employees in the department 45.
- 2- Jordan University for Science and Technology, 1991-1992. Duties: Agricultural Researcher, this post involved the analysis of food products for research purposes.
- 3- Private sector. 1992-1993 Duty: Agricultural Engineer, landscaping, farm management and horticulture.
- 4- Jordan Refinery Company. 1993 - 1996. Duties: Agriculture Head Manager, this post involved the management of the refinery water reuse for agricultural purposes, as well as, landscaping and farm management, responsible for 70 employees (Engineers and Labors).
- 5- Hashemite University, 1996 - 1998. Duties: Agricultural Head Manager, this post involved the management of land for agricultural purposes and landscaping and farm management. Responsible for 150 employees (Engineers and Labors)

PROFESSIONAL ACTIVITIES:

2003	National Conference in Jarash University: Environmental Legislation conference. Oral Presentation entitled: Human Rights from Environmental point of View. 2003
2003	National Conference in Jarash University: Environmental Legislation conference. Oral Presentation entitled: municipal organic waste management. 2003
2003	Workshop: Development of a National Plan for implementation of the Stockholm on POPs. 2003. Ministry of Environment. Jordan.
2003	Workshop on Persistent Organic Pollutants Project. Ministry of Environment. 2003. Jordan. Ministry of Environment – Jordan.
2004	First Environmental week activity – Scientific days. Faculty of Natural resources and Environment. Hashemite University.
2004	E- learning training course
2004	National Workshop on Global Environmental Outlook 4. Ministry of Environment. 2004. Jordan.

2004	Advance Seminar on agro tourism as an alternative for rural areas in Mediterranean countries, Spain. 19-27/2004.
2004	Sustainable Water Resources Management Training course. A collaboration training course between Hashemite University and Arizona University.
2005	Member of the National Steering Committee of National Capacity Self-Assessment for Global Environmental Management (NCSA) - Jordan. Ministry of Environment. 2005.
2005	National Capacity Self-Assessment for Global Environmental project (NCSA) funded by the Global Environmental facility (GEF) and administered by the UNDP country office in Jordan. Steering/ advisory committee. Ministry of Environment. Jordan. 28\9\2005.
2005.	Member in the Steering committee: National strategy in drought control and mitigation. Ministry of Agriculture.
2005	Regional Workshop on Desertification. Yarmouk University. Jordan.
2005	Workshop on National Drought Mitigation Strategy. Ministry of Agriculture. 2005. Jordan.
2005	Workshop on Population and Environment. Zarqa Municipality. Jordan
2005	Workshop entitled "National Experts Meetings to activate the National Biodiversity Strategy and Action Plan". Ministry of Environment. 2005. Jordan.
2005	Zarqa river rehabilitation workshop. Ministry of Environment.
2006	Workshop on Desertification Control. Ministry of Environment. Jordan
2009	Lecture in: Rules of Scientific research in finding Environmental Alternatives for non- hazardous waste. Ministry of Environment and Association of Agricultural Engineers.
2010	Environment Brokerage event you have attended in Sevilla - Spain 25 th -28 th May 2010. In cooperation with the Higher Council for Science and Technology (FP7 programs).
2010	Participation in the Inauguration of the Forum and 10th Anniversary of IUCN Center for Mediterranean Cooperation. Malaga, November 2010. Spain.
2003-2011	Internal committees (Hashemite University)
2011	Participation in the 2011 IMFN Global Forum and the International Symposium on Ecosystem and Landscape-level Approaches to Sustainability. Hosted by the Castile and León Region- Spain.
2011	Participation in MedForum 2011 which was launched under the umbrella of The Mediterranean Model Forest Network (MMFN) and the Organizers of this event were PACA Region (France)

Review and Evaluation Experience:

Peer reviewer for Journals:

1. Journal of arid environments.
2. International Journal of Biodiversity Science, Ecosystem Services & Management.
3. Waste Management journal.

Professional and Honorary Societies:

1. Jordanian Agricultural Engineers Association.

2. The Jordanian Society for Desertification Control & Badia Development.
3. International Union for the Conservation of the Nature (IUCN).
4. DesertNet International
5. ISFAE – Natural Resources Management.

Developing new products in industrial firms of Solid waste form

- 1- Eco- Modified Pre-Cast Concrete Kerb Manufacturing.
- 2- Incorporation of marble sludge in industrial building Eco-blocks or Cement bricks formulation. Presented as new Invention. In Jordan. Ministry of Industry and Trading. 2011.

Research and Workfields of Interests:

Solid waste Management	Soil Impact Evaluation, Drought and Desertification
Healthcare Waste Management	Land Management
E.I. Statement	Environmental Risk Evaluation and Management
Environmental Quality	Soil – Plant contamination

Computer Skilles:

- I. Software Applications (Word, Excel, PowerPoint, Internet
- II. Very good command using Internet Explorer

Languages

- 1- Arabic (Mother language)
- 2- English (Speaking, Writing and Reading)
- 3- Spanish (Speaking, Writing and Reading)

Potential referees

- **PEREZ SIRVENT, CARMEN**

QUÍMICA AGRÍCOLA, GEOLOGÍA Y EDAFOLOGÍA. FACULTAD DE QUÍMICA, UNIVERSIDAD DE MURCIA – SPAIN. melita@um.es; telephone 868887449, 868887835

- **MARTINEZ SANCHEZ, MARIA JOSE**

QUÍMICA AGRÍCOLA, GEOLOGÍA Y EDAFOLOGÍA. FACULTAD DE QUÍMICA, UNIVERSIDAD DE MURCIA – SPAIN. mjose@um.es; Tel., 868887448, 868887835

- **BARBA NAVARRO, ALBERTO**

QUÍMICA AGRÍCOLA, GEOLOGÍA Y EDAFOLOGÍA. FACULTAD DE QUÍMICA, UNIVERSIDAD DE MURCIA – SPAIN. abarba@um.es; Tel., 868887478

- **Prof. Ibrahim Ali Rawabdeh**

Sr. Specialist – Excellence. Corporate Excellence Department - Strategy and Business

Development Division, Dubai Electricity and Water Authority. P. O. Box: 564 Dubai - UAE ,

Phone: +971 507046372. (ibrahim.rawabdeh@dewa.gov.ae). www.dewa.gov.ae

- **Mohammad A. Alrababah, Prof.**

Department of Natural Resources and Environment- Jordan University of Science and

Technology- Irbid 22110, Jordan. Email: alrababa@just.edu.jo