

## Curriculum Vitae



**Prof. Jamal Kamil Al Abaychi, Ph.D.**

**ا.د. جمال كامل العبايجي**

Iraqi Project Director, Canada-Iraq Marshlands Initiative (CIMI) funded by the Canada International Development Agency (CIDA)

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### Personal Information

- Marital status: Married
- Nationality: Iraqi
- Residency: UAE
- Place and Date of Birth: Iraq, July 1<sup>st</sup>, 1952

### Education

1968-1972 University of Basrah , Basrah, Iraq

1974-1978 University of Liverpool , Liverpool, UK

B.Sc. in Aquatic Biology

Ph.D. in Chemical

Oceanography/ Environmental  
Pollution

### Interests and activities.

Environmental protection, awareness and recycling,  
Rehabilitation of Iraqi Marshlands,  
Non-Governmental Organizations (NGOs)

### Languages

Arabic (Mother language)

English.

### Work experience

1978-1993 Research Scientist, Marine Science Centre Univ. of Basrah, Iraq.

1993- 2007 Professor of Environmental Pollution College of Science, Univ. of Baghdad, Iraq.

1993-2004 Director of Cultural Relations and Scientific Affairs Dept.

- University of Baghdad.
- 2003-2007. Senior Advisor to the Iraqi Minister of Environment.
- 2003-2007 Advisor and project coordinator, Eden Again Project, The Iraq Foundation  
<http://www.edenagain.org/>
- 2005-2007 Member of board of Directors, Nature-Iraq NGO  
<http://www.natureiraq.org/Eng/Home.html>
- 2005-present Member of board of Directors of Women and Environment NGO  
[http://jp1.estis.net/builder/includes/page.asp?site=weo&page\\_id=25400C70-2BD5-4883-AB3D-2F61C5E9ACAC](http://jp1.estis.net/builder/includes/page.asp?site=weo&page_id=25400C70-2BD5-4883-AB3D-2F61C5E9ACAC)
- 2005-present Project Manager, Canada-Iraq Marshlands Initiative (CIMI) sponsored by Canada International Development Agency (CIDA)  
<http://iraqimarshlands.org/home>

### **Sabbatical leaves**

- Kuwait Institute for Scientific Research (KISR), Kuwait, 1984 (three months)
- International Marine Laboratories, IAEA, Monaco, 1985 (three months)
- Scripps Institute of Oceanography, Univ. of California, USA, 1987 (three months)

### **Conferences organized:**

Several including:

Fate and fluxes of Oil pollutants in ROPME (The Gulf) region, Univ. of Basrah, Iraq, 1984.

International Experience in Teaching Civics. Sponsored by Iraqi Ministry of Education, Iraq Foundation / Washington and American Federation of Teachers (AFT).2004.

Consultation Workshop on Management of Mesopotamian Marshlands. Sponsored by CIDA, Waterloo University, Canada and several International and Regional NGO's, Amman, Jordan, (19-22June,2004)

Conference on Development and Needs Assessment of the Iraqi Marshes, Nassiryia, Iraq December 2004, sponsored by CIDA and Italian Ministry of Environment..

Activity to commemorate “World Wetlands Day” Feb 2<sup>nd</sup> 2006, Marshes Research Center, Thi Qar Univ. Iraq. Sponsored by USAID.

### **Conferences attended:**

Over 40 international, regional and local conferences, symposia and workshops including Donors to Iraq meetings.

### **Recent contract research projects:**

1. Restoration of Abu Zirig Marsh, Southern Iraq, Ecological Considerations. Funded by United States Agency for International Development (USAID), 2005
2. Water quality monitoring in Iraqi Marshlands, Funded by United Nations Environment Programme (UNEP), 2006.
3. Environmental Awareness Programme for women in Iraqi Marshlands (Thi Qar Governorate), Funded by Canada Iraq Marshlands Initiative (CIMI), Canadian International Development Agency (CIDA), 2006.
4. Environmental Awareness Programme for women in some Iraqi Marshlands villages, Funded by Stony Brook University, USA, 2006.
5. Activity to commemorate “World Wetlands Day” Feb 2<sup>nd</sup> 2006 in Iraq. Funded by United States Agency for International Development (USAID),
6. Environmental Awareness Programme for women in Iraqi Marshlands (Maysan and Thi Qar Governorates). Funded by United Nations Environment Programme (UNEP), 2007.
7. Women and Health Awareness in Iraq, Funded by Funded by Canada Iraq Marshlands Initiative (CIMI), Canadian International Development Agency (CIDA), (in progress).
8. Water quality index for Iraqi Marshlands, Funded by Canada Iraq Marshlands Initiative (CIMI), Canadian International Development Agency (CIDA), (in progress).
9. GIS mapping for Iraqi Marshlands, Funded by Canada Iraq Marshlands Initiative (CIMI), Canadian International Development Agency (CIDA), (in progress).

### **Theses supervised:**

- 1- Nutrient salts distribution regime in Shatt al-Arab River and its branches at Basrah City, Iraq. M.Sc. thesis (1983).
- 2- The Asiatic clam, *Corbicula*: An indicator of trace metal pollution in Shatt al-Arab River. M.Sc. thesis (1985).
- 3- Sources and vertical distribution of hydrocarbons in Khor Al-Zubair, N.W. Arabian Gulf. M.Sc. thesis (1989).
- 4-Origin and sources of hydrocarbons in Shatt al-Arab estuary and N.W. Arabian Gulf. Ph. D. thesis (1995).

- 5- Degradation of hydrocarbons in the Arabian Gulf environment. Ph.D. thesis (1997).
- 6-Effect of Al-Qadisia dam on some ecological factors downstream Euphrates River with reference to zooplankton and benthic invertebrates M.Sc. thesis (2002).
- 7-Reduction of Bacterial Numbers in Sewage Water by Ciliates. M.Sc. thesis (2002).
- 8-The study of pollution in Al Hashimia drainage canal, Babylon, and its effect on zooplankton. M.Sc. Thesis, ( 2004).
- 9- The effect of low discharge from Rivers Tigris and Diyala on Bacterial and organic pollution , Iraq. M.Sc. Thesis (2004).
- 10-Ecological study on zooplankton in some drainage canals discharging in the north part of the 3<sup>rd</sup> River, Iraq. M.Sc. Thesis (2004).
- 11-The use of Bacteria in removal of Corium in wastewater from Tanning Factory. (2005).
- 12- The use of Bacteria in degrading hydrocarbons in wastewater from Al Dora Refinery, Baghdad, Iraq.(2005)
- 13-The Ecology of Abu Zirig Marsh, Southern Iraq, (a) Phytoplankton, (2006)
- 14-The Ecology of Abu Zirig Marsh, Southern Iraq, (b) Benthic Invertebrates, (2006)
- 15- The Ecology of Abu Zirig Marsh, Southern Iraq, (c) Benthic Algae, (2006)
- 16- The Ecology of Abu Zirig Marsh, Southern Iraq, (d) Aquatic Plants.
- 17- The Ecology of Abu Zirig Marsh, Southern Iraq, (e) Water quality, (2006)
- 18- Domestic pollution in Erbil Canal and its influence on Upper Zab River, Erbil, Kurdistan, N. Iraq, (2007)
- 19- Limnology of Derbandikhan Lake, Sulaymania, Kurdistan. Iraq, (2008)

### Some published scientific papers and reports:

- 1- Water quality of Shatt al-Arab River in comparison with international standards for drinking water. *Marine Science Center technical report No. 13 (1980)*. Abaychi, J & Al-Obaydy S.
- 2- Trace metals in Shatt al-Arab River, Iraq. *Water Research (UK) 19*, 462 (1985). Abaychi, J & Douabul A.
- 3- Trace metal geochemical associations in the Arabian Gulf. *Marine Pollution Bulletin, (UK) 17*,353-356 (1986). Abaychi, J.& Douabul, A.
- 4- Final Report on 18-month Marine Pollution Monitoring and Research Programme in Iraq / Chemistry and Pollution section, Marine Science Center report submitted to the Regional Organization for the Protection of the Marine Environment (ROPME)(1986). Abaychi, J. & Douabul, A.
- 5- Concentrations of Trace elements in aquatic vascular plants from Shatt Al-Arab River, Iraq. *J. Biol. Sci. Res. 18*, 123-129(1987). Abaychi, J.& Al-Obaydy , S.
- 6- Residues of polynuclear aromatic hydrocarbons (PAHs) in fish from the Arabian Gulf. *Bull .Eviron. Contam. Toxicol. (USA)*, 38, 546-552 (1988). Douabul A, Abaychi, J, Al-Edanee, T, Ghani, A. & Al-Saad, H.
- 7- Trace metals in fish from the Arabian Gulf and Shatt Al-Arab River, Iraq. *Bull. Environ. Contam. Toxicol. (USA)*, 40, 226-232,(1988) Abaychi, J. & Al-Saad, H.
- 8- Restoration of heavily polluted branches of Shatt Al- Arab River. *Water Res. (UK) (1989)* Abaychi, J, Khalaf. M, Al-Awadi & Douabul .A.
- 9-The Shatt al-Arab River as a source of pollutants to the Arabian Gulf. In oceanography of Khor al-Zubair. *Mar. Sci. Ctr. Publication no. 9*,25-35 Abaychi, J.
- 10-Effect of some marine physical conditions on the corrosion of ships in the Arabian Gulf. *Mar. Sci Ctr. Publication no. 15. ( 1989)* Douabul, A, Al- Ramadan, B.& Abaychi, J.
- 11-The Asiatic clam, *Corbicula*: An indicator of trace metal Pollution in the Shatt al-Arab River, Iraq. *Environ. Pollut. (UK)*, 54,109-122 (1988). Abaychi, J. & Mustafa, Y .
- 12-The Shatt al-Arab River: A nutrient salts and organic matter source to the Arabian Gulf. *Hydrobiologia (Belgium) 166*,217-224 (1988). Abaychi, J , Darmonoian, S.& Douabul, A .

- 13- Trace metals in fish from the Arabian Gulf and Shatt Al-Arab River, Iraq . *Bull. Environ. Contam. Toxicol. (USA)*, 40, 226-232,(1988)  
Abaychi, J. & Al-Saad, H.
- 14- Marine Geochemistry –2: Scavenging redox . *Applied Geochemistry (USA)* ,3,561-571, (1988). Goldberg , E.& Abaychi, J .
- 15- The influence of low salinity discharge through Shatt Al -Basrah canal on the hydrography of Khor Al-Zubair, N.W. Arabian Gulf. *Marina Mesopotamica*6 (2), 209-224 (1991) . Abaychi, J, Majeed, A. & Jawad, A .
- 16- Hydrocarbons in the waters and sediments of Shatt al-Arab Estuary and North West of the Arabian Gulf . *Marina Mesopotamica* 10( 2 ) 393 – 410 (1995). Al- Saad, H., Abaychi, J. & Shamshoom. S.
- 17- Trace elements and sedimentation rate in Hor Al- Hammar Lake, S. Iraq. *Marina Mesopotamica*, 10, (2) (1995) .Abaychi, J .
- 18 - N Alkanes in aquatic plants of Hor Al-Hammar Lake, Iraq. *Marina Mesopotamica (in press)*. Al-Saad, Abaychi, J.& Shamshoom. S.
- 19 - Hydrocarbons in Fish from Shatt al-Arab Estuary and N.W. Arabian Gulf following oil spills in 1991.(*under preparation*).  
Al- Saad,H., Abaychi, J. & Shamshoom. S.
- 20 - Seasonal distribution of dissolved and particulate hydrocarbons in Shatt al-Arab Estuary and N.W. Arabian Gulf (*under preparation*).  
Al- Saad, Abaychi, J. & Shamshoom. S.
- 21 – Distribution of n – alkanes in aquatic plans from Hor Al-Hammar Lake, S. Iraq. *Marina Mesopotamica (in press)*.  
Al- Saad,H., Abaychi, J. & Shamshoom. S.
- 22 - Distribution of hydrocarbons in zooplankton and bacteria samples from Al-Hammar Lake , S. Iraq. *Marina Mesopotamica (in press)*.  
Al- Saad,H., Abaychi, J. & Shamshoom. S.
- 23 - Assessment of Polycyclic Aromatic Hydrocarbons ( PAHs) pollution in sediments of N.W. Arabian Gulf, *Marina Mesopotamica (in press)*.Al- Saad, H., Abaychi, J. & Shamshoom. S.
- 24 - Seasonal distribution of dissolved and particulate hydrocarbons in Shatt al-Arab Estuary and N.W. Arabian Gulf, *Marina Mesopotamica (in press)* .Al- Saad,H., Abaychi, J. & Shamshoom. S.
- 25 – Polycyclic Aromatic hydrocarbons (PAHs) in dissolved and particulate phases of Shatt al-Arab and N.W. Arabian Gulf, *Marina*

- Mesopotamica (in press)*. Al- Saad, H., Abaychi, J. & Shamshoom. S.
- 26 – n. Alkenes in dissolved and particulate phases of Shatt al-Arab and N.W. Arabian Gulf *Marina Mesopotamica (in press)*.  
Al- Saad, H., Abaychi, J. & Shamshoom. S.
- 27- The Ecology of Abu Zirig Marsh, Southern Iraq, Nature Iraq Publications (2005).
- 28- Sediments and soil characteristics of the Abu Zirig and Kermashia Marshes, Central Marshes, Iraq. IX International Congress of Ecology (INTECOL) Montreal, Canada (2005). S. Sameer, A. Douabul, J. Abaychi, A. Alwash,