



SUMMARY

Dr. Ali Douabul has over 35 years of professional experience and has unmatched comprehensive experience in the fields of Environmental Assessment, Marine Biology, Marine Pollution, Oil Pollution, Environmental Pollution, Marine Chemistry, Marine Organic Chemistry, Applied Ecology, Advanced Ecology, Aquatic Ecology, Environmental Chemistry Estuarine Chemistry, and Environmental Toxicology. He has worked internationally in Canada, Yemen and for the United Nations in Australia. He has applied his extensive knowledge to various research and consulting projects in Iraq under his leadership at the Marine Science Centre. He has written 5 books and over 50 publications related to the environment of southern Iraq. Following much success as the Head of the Marine Environmental & Consulting Bureau (formerly the Marine Science Centre), Dr. Ali has recently been promoted to Director General.

EXPERIENCE

- 2010 to present** **Director General (present)**
Marine & Environmental Consulting Bureau (formerly Marine Science Center)
University of Basrah
- Head and Principal Researcher (2010 to 2014)
- 2005 to 2010** **Project Manager**
University of Waterloo, Department of Earth and Environmental Sciences
Waterloo, Canada
- 1996 to 1998** **Chief Technical Advisor**
United Nations Development Programme, Project Manager
Canberra, Australian Capital Territory, Australia
- 1979 to 1993** **Researcher**
Marine Science Centre, Marine Environmental Chemistry
Basrah, Iraq

EDUCATION

- 1979** **Ph.D. – Chemical Oceanography**

University of Liverpool, England

Thesis: A study on the solubility of gases in pure and natural waters
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PROJECT EXPERIENCE

- ▶ Block 9 Environmental Baseline and Impact Assessment for Drilling, Testing and Transportation (2015)
- ▶ Emissions Modeling and Environmental Loading, West Qurna 2 (2015)
- ▶ West Qurna Expansion & Qurainat Compressor Station Environmental Baseline and Impact Assessment (2015)
- ▶ Common Seawater Supply Project Environmental Baseline and Impact Assessment – Coffey International (2014)
- ▶ Regional Organization for Protection of the Marine Environment (ROPME) Technical Report Series (2014)
- ▶ Environmental Studies within West Qurna 2 – WorleyParsons (2014)
- ▶ Common Seawater Supply Project Water Intake Environmental Impact Assessment (2014)
- ▶ Expert Opinion on Drilling Cuttings Disposal within the West Qurna-2 (WQ-2) field in southern Iraq - Lukoil Mideast Limited (2014)
- ▶ Environmental Baseline Study (EBS) and Environmental Impact Assessment (EIA) in Block-9, Southern Iraq - Kuwait Energy Company (2014)
- ▶ Water Availability Studies for MOD and Euphrates - Lukoil Mideast Limited (2014)
- ▶ Water Intake Environmental Impact Assessments (2) from the MOD and Euphrates - Lukoil Mideast Limited (2014)
- ▶ Environmental Baseline Study (EBS) and Environmental Impact Assessment (EIA) in Siba, Southern Iraq - Kuwait Energy Company (2013)
- ▶ Water Intake Options from the Third River MOD and Study of the Selection Option - Lukoil Mideast Limited (2013)
- ▶ State of the Marine Environment Report (SOMER) 2013 – Iraq Contribution – ROPME (2013)
- ▶ The Development of Green Zones Design West Qurna 2 - Lukoil Mideast Limited (2013)
- ▶ Reduce Environmental Impact – West Qurna 2 Canals Blockages - Lukoil Mideast Limited (2013)
- ▶ Hydrological Study of the Euphrates River and the Main Outfall Drain - Lukoil Mideast Limited (2013)
- ▶ SOMER Report 2012 – Iraq Contribution – ROPME (2012)
- ▶ Hydrological Study – Shatt al-Basra Canal – METKA (2012)
- ▶ Environmental Baseline Study and Management Plan for Baker Hughes Blending Plant, Rumaila Field, Iraq - Baker Hughes Asia Pacific Ltd (2011)
- ▶ Canada-Iraq Marshland Initiative (CIMI) Phase II – CIDA (2008)
- ▶ Canada-Iraq Marshland Initiative (CIMI) Phase I – CIDA (2006)

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- ▶ Water Quality Monitoring Program in the Iraqi marshlands – UNEP (2005)
- ▶ Beach pollution study Gulf of Aden / Arabian Sea - Environmental Protection Council – Yemen (1996)
- ▶ Marine conservation survey - southern coast of Yemen - Royal Netherlands Embassy (1996)
- ▶ Interim report on the status of oil pollution in the Red Sea coast of Yemen - Environmental Protection Council – Yemen (1996)
- ▶ Investigation following a fish kill in Bab el-Mandeb , Red Sea during November 1995 - Environmental Protection Council – Yemen (1995)
- ▶ Environmental impact assessment of Gulf War oil spill - Green-Peace International (1993)
- ▶ Assessment of the characteristics of dust fall-out and associated pollutants, their effect on oil removal from sea surface and their fate upon accumulation in the sediment, with particular reference to the northern part of the Arabian Gulf – ROPME (1989)
- ▶ Fate of spilled oil into inland waters of Iraq - Iraqi Ministry of Oil (1989)
- ▶ Baseline studies on oil and non-oil pollutants in the Gulf region - Phase II – ROPME (1988)
- ▶ Toxic substances in some commercial fishes of Iraq and Kuwait – KISR (1996)
- ▶ Baseline studies on oil and non-oil pollutants in the Gulf region - Phase I – ROPME (1985)
- ▶ Seasonal and regional variations of hydrocarbon concentrations and n-alkanes for sediment and water of Iraqi southern Marshes. 4th international conference of Environment and Natural Resources. College of Science University of Basrah, 2010.
- ▶ Assessment of trace element in fallen dust at Basrah governorate. 4th international conference of Environment and Natural Resources. College of Science University of Basrah, 4 - 6 Jan, 2010.
- ▶ Uptake and depuration of water soluble fraction (WSF) of crude oil by bivalves corbicula fluminea (Muller) from Shatt Al- Arab River. 4th international conference of Environment and Natural Resources. College of Science University of Basrah, 4 - 6 January, 2010.
- ▶ Ability of some of cyanobacteria to accumulate Total Aromatic Hydrocarbons. 4th international conference of Environment and Natural Resources. College of Science University of Basrah, 4-6 Jan, 2010.
- ▶ Assessment of Polycyclic Aromatic Hydrocarbons in water and sediment samples for Al-Huwaiza Marshes. 4th international conference of Environment and Natural Resources. College of Science University of Basrah, 4-6 Jan, 2010.
- ▶ State of oil pollution in Shatt Al-Arab Estuary. Regional Conference on the Marine Environment of the Gulf. Doha, Qatar. 12 - 15 December, 1998.
- ▶ Chlorinated pesticides residues in dissolved, particulate matter and sediment from Khor Al-Zubair North-West region of the Arabian Gulf. Paper presented to the 3rd Oceanography of Khor Al-Zubair, Marine Science Centre publications No.16, p: 139 - 154, 1991.
- ▶ Organochlorine pesticides residues in some fish from khor Al-Zubair. Paper presented in Symposium of Oceanography of Khor Al-Zubair, 25 – 27, 1986.

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- ▶ Levels of Heavy Metals pollution in the aquatic Environment of Basrah City, Iraq. The 4th conference on Environmental Science, University of Babylon 5-6 December/P-315-332, 2012.
- ▶ Concentration and Distribution of petroleum Hydrocarbons in water, sediment and Biota of Al-Furat River near Nassiriya City, South of Iraq. The 4th conference on Environmental Science, University of Babylon 5-6/Dec./P-109-127, 2012.
- ▶ Snail *Melanoides Tuberculata* as bioindicator for shatt al-arab river pollution by some heavy metals. Proceeding of the 4th Kurdistan conferences on biological science. University of Duhok, 8-10 May, 2012.
- ▶ Study of the seasonal variations of the concentration of some heavy metals in mussel of Al-Hummary fish in southern marshes of Iraq. The 4th conference on Environmental Science, University of Babylon 5-6/Dec./P-71-88, 2012.

PUBLISHED BOOKS

- ▶ A Bibliography of Oceanographic and Marine Environmental Research. 1st 01/1999; PERSGA UNESCO.
- ▶ Ecosystems of the Red Sea coast of Yemen. Protection of Marine Ecosystems of the Red Sea Coast of Yemen. Edited by Douabul, A.; Roupahel, A. & Merchant, S., 01/1999; AM-SAT and UNOPS Hassell and Assoc.
- ▶ Fate of Oil Spilled at the Inland Waters of Iraq. 01/1989;
- ▶ Restoration of The Marshes of Southern Iraq: Prospects and Challenges. 2010: pages 210-230; , ISBN: 9780863723339
- ▶ The Red Sea and Yemen's Red Sea Environments. 01/1999: pages 1-39.

SELECTED PUBLICATIONS (refer to www.researchgate.net/profile/Ali_Douabul for full list)

- ▶ Ali Douabul: Seasonal Changes in Zooplankton Communities in the re-Flooded Mesopotamian Marshes, Iraq. *Journal of Freshwater Ecology* 04/2014; 29(3):397-412.
- ▶ Ali Douabul, Sama AlMaarofi: Restoring the Garden of Eden: Negative Impacts. *WETLAND SCIENCE AND PRACTICE*. 03/2014; 31(1):33-39.
- ▶ Ahmed I. Rushdi, Simoneit B. R. T., DouAbul A. A. Z., Al-Mutlaq K. F., El-Mubarak A. H., Qurban M., Goni M. A.: Occurrence and sources of polar lipid tracers in sediments from the Shatt al-Arab River of Iraq and the northwestern Arabian Gulf. *Science of The Total Environment* 01/2014; 470-471:180-192.

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- ▶ Sama S. AlMaarofi, Ali A. Z. Douabul, Barry G. Warner, William D. Taylor: Phosphorus and nitrogen budgets of the Al-Hawizeh marshland after re-flooding. *Hydrobiologia* 01/2014; 721(1).
- ▶ Ahmed I. Rushdi, Ali A. Z. DouAbul, Bernd R. T. Simoneit, Aarif H. El-Mubarak, Khalid F. Al-Mutlaq, Mohammed A. B. Qurban, Miguel A. Gon: Nonpolar lipid tracers in sediments from the Shatt al-Arab River of Iraq and the northwestern Arabian Gulf. *Arabian Journal of Geosciences* 12/2013;
- ▶ Sama S. AlMaarofi, Abdul Zahra Alhello, Nadia Fawzi, Ali Douabul, Hamid Al-Saad: Desiccation versus Re-Flooding: Heavy Metals Mobilization—Part 1. *Journal of Environmental Protection* 08/2013; 4:27-36.
- ▶ Sama AlMaarofi, Ali Douabul: Restoration Assessment: I-Phosphorus and Nitrogen dynamics versus phytoplankton biomass in Al-Hawizeh marshland, Iraq. *International Journal of Management Science and Business Research*. 05/2013; 2:2226-8235.
- ▶ Ali Douabul, Sama AlMaarofi, Hamid Al-Saad, Shukri Al-Hassan: Air, Soil and Water Research Gaseous pollutants in Basra city, Iraq. *Air, Soil and Water Research* 02/2013; 2013:6-15.
- ▶ M A Hamdan, T Asada, F M Hassan, B G Warner, A Douabul, M R A Al-Hilli, A A Alwan: Vegetation Response to Re-flooding in the Mesopotamian Wetlands, Southern Iraq. *Wetlands* 01/2013;
- ▶ Sama Almaarofi, Ali Douabul, Hamid Al-Saad: Mesopotamian Marshlands: Salinization Problem. *Journal of Environmental Protection* 10/2012; 3:1295-1301.
- ▶ Ali Douabul, Nadia Al-Mudhafar, Abdul Zahra Alhello, Hamid Al-Saad, Sama AlMaarofi: Restoration versus Re-flooding: Mesopotamia Marshes. *hydrology: Current Research*. 07/2012; 3(5):1000140.
- ▶ Ali Abdul, Al-Zahra Douabul, Wisam Abdul, Ameer Farid, Hamid Talib, Sama Sameer Almaarofi: HYDROCARBONS IN SOIL FROM BASRA OIL-RICH GOVERNORATE. *American Journal for Environmental Science*. 05/2012; 8563568(8).
- ▶ Ahmed I. Rushdi, Khalid F. Al-Mutlaq, Bernd R. T. Simoneit, Adnan Al-Azri, Ali A. Z. DouAbul, Sheikha Al-Zarban, Faiza Al-Yamani: Characteristics of lipid tracer compounds transported to the Arabian Gulf by runoff from rivers and atmospheric dust transport. *Arabian Journal of Geosciences* 05/2010; 3(2):113-131.

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- ▶ Ali Douabul: Water quality of the Iraqi southern marshes. *Mesopot. J. Mar. Sci.* 04/2010; 25(2):79-95.
- ▶ M. J. S. Al-Haidarey, F. M. Hassan, A. R. A. Al-Kubaisey, A. A. Z. Douabul: The Geoaccumulation Index of Some Heavy Metals in Al-Hawizeh Marsh, Iraq. *E-Journal of Chemistry* 01/2010; 7.
- ▶ Rushdi, A. I, Khalid, F. Al-Mutlaq, Bernd R. T. Simoneit, Adnan Al-Azri, Ali A. Z. DouAbul, Sheikha Al-Zarban, Faiza Al-Yamani: Characteristics of lipid tracers to the Arabian Gulf by runoff from rivers and atmospheric dust transport. *Arabian Journal of Geosciences* 01/2010;
- ▶ Ali A Z DouAbul, Sama S Mohammed, Barry G Warner, Taro Asada: Persistent DDE in the Mesopotamian wetlands of southern Iraq.. *Bulletin of Environmental Contamination and Toxicology* 07/2009; 82(6):690-3.
- ▶ Ahmed I. Rushdi, Ali A. DouAbul, Sama Samir Mohammed, Bernd R. T. Simoneit: Compositions and sources of extractable organic matter in Mesopotamian marshland surface sediments of Iraq; II. Polar compounds. *Environmental Geology* 01/2006; 50:1171–1181.
- ▶ Ahmed I. Rushdi, Ali A. DouAbul, Sama AlMaarofi (S. Mohammed, R. T. Simoneit: Compositions and sources of extractable organic matter in Mesopotamian marshland surface sediments of Iraq. I: aliphatic lipids. *Environmental Geology* 01/2006; 50:857–866.
- ▶ Ali Douabul: Concentration of petroleum hydrocarbons in Fish, Mussels and sediment samples from the Red Sea-Coast of Yemen. *Egyptian Journal of Aquatic Research.* 01/2000; 26(1):283-296.
- ▶ Ali Douabul: Source and distribution of sedimentary hydrocarbons in the Red Sea and Gulf of Aden coastal environment. *Journal of Environmental Research.* 01/1999; 1(1):16-37.
- ▶ Ali A.-Z. Douabul, Nabeel A. Al-Shiwafi: Dissolved/dispersed hydrocarbons in the Arabian region. *Marine Pollution Bulletin* 01/1998; 36(10):844-850.
- ▶ Ali A-Z DouAbul, Hassan M. A. Heba, Khalid H. Fareed: Polynuclear Aromatic Hydrocarbons (PAHs) in fish from the Red Sea Coast of Yemen. *Hydrobiologia* 08/1997; 352(1):251-262.
- ▶ Manfred Ehrhardt, Ali Douabul: Dissolved petroleum residues and alkylbenzene photo-oxidation products in the upper arabian gulf. *Marine Chemistry* 01/1989; 26:363-370.

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- ▶ A A DouAbul, H T Al-Saad, A A Al-Timari, H N Al-Rekabi: Tigris-Euphrates Delta: a major source of pesticides to the Shatt al-Arab River (Iraq).. Archives of Environmental Contamination and Toxicology 06/1988; 17(3):405-18.
- ▶ Jamal K. Abaychi, Solak A. Darmoian, Ali A. Z. DouAbul: The Shatt al-Arab River: A nutrient salt and organic matter source to the Arabian Gulf. Hydrobiologia 01/1988; 166(3):217-224.
- ▶ Ali A. Z. Douabul, Hamid T. Al-Saad, Selma Z. Al-Obaidy, Hussain N. Al-Rekabi: Residues of organochlorine pesticides in fish from the Arabian Gulf. Water Air and Soil Pollution 08/1987; 35(1):187-194.
- ▶ A A DouAbul, M Al-Omar, S Al-Obaidy, N Al-Ogaily: Organochlorine pesticide residues in fish from the Shatt al-Arab River, Iraq.. Bulletin of Environmental Contamination and Toxicology 05/1987; 38(4):674-80.
- ▶ A A DouAbdul, J K Abaychi, T E Al-Edanee, A A Ghani, H T Al-Saad: Polynuclear aromatic hydrocarbons (PAHs) in fish from the Arabian Gulf.. Bulletin of Environmental Contamination and Toxicology 04/1987; 38(3):546-52.
- ▶ A A DouAbul, H T Al-Saad, H N Al-Rekabi: Residues of organochlorine pesticides in environmental samples from the Shatt al-Arab River, Iraq.. Environmental Pollution 02/1987; 43(3):175-87.
- ▶ A DOUABUL, J ABAYCHI, M ALASADI, H ALAWADI: Restoration of heavily polluted branches of the Shatt Al-Arab river, Iraq. Water Research 01/1987; 21(8):955-960.
- ▶ J ABAYCHI, A DOUABUL: Trace element geochemical associations in the Arabian Gulf. Marine Pollution Bulletin 01/1986; 17(8):353-356.
- ▶ Ali A. Z. Douabul, Hamid T. Al-Saad: Seasonal variations of oil residues in water of Shatt al-Arab river, Iraq. Water Air and Soil Pollution 02/1985; 24(3):237-246.
- ▶ Ali Douabul: n-Alkanes distribution in the surface sediment from the Arabian Gulf.. Naturwissenschaften 01/1985; 72.
- ▶ Jamal K. Abaychi, Ali A.Z. DouAbul: Trace metals in Shatt al-Arab River, Iraq. Water Research 01/1985; 19(4):457-462.
- ▶ J. Grimalt, J. Albaigés, H. T. Al-Saad, A. A. Z. Douabul: n-Alkane distributions in surface sediments from the Arabian Gulf. Naturwissenschaften 12/1984; 72(1):35-37.

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- ▶ A DOUABUL, H ALSAAD, S DARMOIAN: Distribution of petroleum residues in surficial sediments from Shatt al-Arab river and the north-west region of the Arabian Gulf. Marine Pollution Bulletin 01/1984; 15(5):198-200.
- ▶ A DouAbul: Petroleum residues in the waters of the Shatt al-Arab River and the northwest region of the Arabian Gulf. Environment International 01/1984; 10(3):265-267.
- ▶ A. Douabul, J. Riley: Solubility of sulfur dioxide in distilled water and decarbonated sea water. Journal of Chemical & Engineering Data 03/1979; 24(4).
- ▶ A.A. Douabul, J.P. Riley: The solubility of gases in distilled water and seawater—V. hydrogen sulphide. Deep Sea Research Part I Oceanographic Research Papers 01/1979; 26A(3):259-268.
- ▶ Ali Douabul: Fate and fluxes of petroleum hydrocarbons in the marine environment with special reference to the Arabian Gulf region. Fate and fluxes of petroleum hydrocarbons in the marine environment with special reference to the Arabian Gulf region, Basra; 01/1984