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Ali Douabul, Ph.D. University of Liverpool, England

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Education

Jun 1973 – Feb 1979 **University of Liverpool**
Ph.D., Chemical Oceanography
Liverpool, United Kingdom

Thesis

Research Experience

Mar 2010 – present **Professor (Full)**
University of Basrah, Marine Science Center
Basra, Iraq
Research, supervising, teaching, training & management

May 2005 – Mar 2010 **Project Manager**
University of Waterloo, Department of Earth and Environmental Sciences
Waterloo, Canada
Research & Development, Wetland Restoration, Supervision, Capacity Building

Sep 1996 – Apr 1998 **Cheif Technical Advisor (CTA)**
United Nations Development Programme, Project Manager
Canberra, Australian Capital Territory, Australia
Project Manger, Research & Development, Training

Feb 1979 – Mar 1993 **Senior Researcher**
Marine Science Centre, Marine Environmental Chemistry
Basrah, Iraq
Research, Supervision, Teaching, Training & Management

Statistics

RG Score 28.12

Publications 76

Reads 5,028

Citations 773

Awards & Grants

- May 2014* Award: Expert Opinion on Drilling Cuttings Disposal within the West Qurna-2 (WQ-2) field in southern Iraq - Lukoil Mideast Limited
- Apr 2014* Award: Environmental Baseline Study (EBS) and Environmental Impact Assessment (EIA) in Block-9, Southern Iraq - Kuwait Energy Company
- Mar 2014* Award: Water Intake Options from the Third River MOD and Study of the Selection Option - Lukoil Mideast Limited
- Jul 2013* Award: SOMER Report 2012 - Iraq Contribution - ROPME
- Jul 2013* Award: The Development of Green Zones Design West Qurna 2 - Lukoil Mideast Limited
- May 2013* Award: Reduce Environmental Impact - West Qurna 2 Canals Blockages - Lukoil Mideast Limited
- Apr 2013* Award: Hydrological Study of the Euphrates River and the Main Outfall Drain - Lukoil Mideast Limited
- Mar 2012* Award: Hydrological Study - Shatt al-Basra Canal - METKA
- May 2011* Award: Environmental Baseline Study and Management Plan for Baker Hughes Blending Plant, Rumaila Field, Iraq - Baker Hughes Asia Pacific Ltd
- Oct 2008* Award: Canada-Iraq Marshland Initiative (CIMI) Phase II - CIDA
- Jun 2006* Award: Canada-Iraq Marshland Initiative (CIMI) Phase I - CIDA
- Apr 2005* Award: Water Quality Monitoring Program in the Iraqi marshlands - UNEP
- Dec 1996* Award: Beach pollution study Gulf of Aden / Arabian Sea - Environmental Protection Council - Yemen
- Oct 1996* Award: Marine conservation survey - southern coast of Yemen - Royal Netherlands Embassy
- Jun 1996* Award: Interim report on the status of oil pollution in the Red Sea coast of Yemen - Environmental Protection Council - Yemen
- Dec 1995* Award: Investigation following a fish kill in Bab el-Mandeb , Red Sea during November 1995 - Environmental Protection Council - Yemen
- Oct 1993* Award: Environmental impact assessment of Gulf War oil spill - Green-Peace International
- Nov 1989* Award: 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

- Oct 1989* Award: Fate of spilled oil into inland waters of Iraq - Iraqi Ministry of Oil
- Sep 1988* Award: Baseline studies on oil and non-oil pollutants in the Gulf region - Phase II - ROPME
- Nov 1986* Award: Toxic substances in some commercial fishes of Iraq and Kuwait - KISR
- Oct 1985* Award: Baseline studies on oil and non-oil pollutants in the Gulf region - Phase I - ROPME

Skills & Activities

Skills Environment, Water Quality, Rivers, Ecology, Freshwater Ecology, Environmental Impact Assessment, Water Analysis, Water Chemistry, Environmental Pollution, Environmental Analysis, Water Resources Management, Environmental Monitoring, Heavy Metals, Water Quality Analysis, Water Quality Monitoring, Water Quality Assessment, Aquatic Pollution, Water Quality Modeling, Water Sampling, Sediment Pollution, Aquatic Chemistry, Environmental Analytical Chemistry, Heavy Metal Pollution, Heavy Metal Accumulation, Marine Pollution, EIA, Analytical Environmental Chemistry, Oil Pollution, Water Pollution, Aquatic Ecology, Wetland Ecology, Environmental Science, Sediments, Petroleum Hydrocarbons, Crude Oil, Soil, Wetlands, Petroleum, Natural Resource Management, Bioremediation, Environmental Research, Environmental Management, Monitoring, Zooplankton, Hydrology, Water Resources, Hydrocarbon, Ecosystems, Lakes, Solubility, Plankton, Phytoplankton, Water and Sanitation, Sulfur Dioxide, Gas Chromatography, Polycyclic Aromatic Hydrocarbons, Water Pollution Control, Nitrate, Granulometry

Languages English

Scientific Memberships American Society for Limnology & Oceanography (ASLO)
Society of Wetland Scientists (SWS)
The Oceanography Society (TOS)
Coastal & Estuarine Research Federation (CERF)
British Ecological Society (BES)

Interests Wetland Restoration
Environmental Impact Assessment
Coastal Management

Publication Highlights

[authors]: [title]. [details]

Books

Ali Douabul: *A Bibliography of Oceanographic and Marine Environmental Research*. 1st 01/1999; PERSGA UNESCO.

Ali Douabul: *Ecosystems of the Red Sea coast of Yemen. Protection of Marine Ecosystems of the Red Sea Coast of Yemen..* 1st edited by Douabul, A.; Roupahel, A. & Merchant, S., 01/1999; AMSAT and UNOPS Hassell and Assoc.

Ali Douabul: *Fate of Oil Spilled at the Inland Waters of Iraq*. 01/1989;

Book Chapters

Ali Douabul: *RESTORATION OF THE MARSHES OF SOUTHERN IRAQ: PROSPECTS AND CHALLENGES*. The Iraqi Marshlands and the Marsh Arabs, 1st edited by Sam Kubba, 12/2010: chapter 10: pages 210-230; ITHACA., ISBN: 9780863723339

Ali Douabul: *The Red Sea and Yemen's Red Sea Environments*. Protection of Marine Ecosystems of the Red Sea Coast of Yemen., 1st edited by Douabul; Roupahel & Merchant, 01/1999: pages 1-39; Hassell, UNOPS, AMSAT.

Journal Publications

Ahmed I. Rushdi, Ali A.Z. DouAbul, Sama S. Al-Maarofi, Bernd R.T. Simoneit: *Impacts of Mesopotamian wetland re-flooding on the lipid biomarker distributions in sediments*. Journal of Hydrology 01/2018;, DOI:10.1016/j.jhydrol.2018.01.030

Ali Douabul: *INDEX AND STATISTICAL METHODS IN WATER MANAGEMENT: A CASE STUDY-FROM MESOPOTAMIAN MARSHES, IRAQ*. Environment Protection Engineering 09/2017; 3/2017.

Jasim m. Salman, Fikrat M. Hassan, Ali A. Dou Abul: *Polycyclic Aromatic Hydrocarbon (PAHs) Concentrations in Some Aquatic Macrophytes in Hilla River, Iraq*. Journal of Environmental Protection 02/2016; 7(-):198-211.

Fikrat M. Hassan, Jasim M. Salman, Ali A. Dou Abul, Atheer S. Naji: *Polycyclic Aromatic Hydrocarbon (PAHs) Concentrations in Some Aquatic Macrophytes in Hilla River, Iraq*. Journal of Environmental Protection 02/2016; 7(02):198-211., DOI:10.4236/jep.2016.72018

Ali Douabul: *Polynuclear Aromatic Hydrocarbons (PAHs) concentrations in some Mycrophytes from Hilla River, Iraq*.

Al-Timari A.Ak, Al-Saad H.T, Douabul A.A., Salah. M., Hantoosh A.A: *Distribution and Sources of Fatty Acids in Sediment Samples from Shatt Al-Arab Estuary and Northwest Arabian Gulf*.

Prof Dr Hamid, T Al-Saad, Imad H Al-Qarooni, Hassan M Bedair, Ali A Z Douabul, Abdulzahra Alhello: *ASSESSMENT OF HEAVY ELEMENTS IN THE FRESH PART AND SHELL OF THE SNAIL BELLAMYABENGALENSIS IN SHATT AL-ARAB RIVER, IRAQ*.

Prof Dr Hamid, T Al-Saad, Imad H Al-Qarooni, Hassan M Bedair, Ali A Z Douabul, Abdulzahra Alhello:
*ASSESSMENT OF HEAVY ELEMENTS IN THE FRESH PART AND SHELL OF THE SNAIL
BELLAMYABENGALENSIS IN SHATT AL-ARAB RIVER, IRAQ.*

Ali Douabul: *MSC Monthly Newsletter.*

Shaker G Ajeel, Ali AZ Douabul: *Seasonal Variations of Zooplankton in Al-Hammar Marsh-Southern Iraq.*
DOI:10.4172/2157-7625.1000173

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 08/2014; 721(1)., DOI:10.1007/s10750-
013-1657-8

Salman D. Salman a, Mohammed F. Abbas a, Abdul-Husein M. Ghazi a, Huda K. Ahmed a, Anfas N.
Akash a, Ali A.Z. Douabul, Barry G. Warner, Taro Asada: *Seasonal changes in zooplankton communities
in re-flooded Mesopotamian wetland, Iraq.* Journal of Freshwater Ecology 04/2014; 29(3):397-412.

Salman D. Salman, Mohammed F. Abbas, Abdul-Husein M. Ghazi, Huda K. Ahmed, Anfas N. Akash, Ali
A.Z. Douabul, Barry G. Warner, Taro Asada: *Seasonal changes in zooplankton communities in the re-
flooded Mesopotamian wetlands, Iraq.* Journal of Freshwater Ecology 04/2014; 29(3).,
DOI:10.1080/02705060.2014.907547

Amina Ak Al-Timari, Ali A Douabul, Abass A Hantoosh, Hamid T Al-Saad: *Distribution and sources of fatty
acids in sediment cores from Al-Hammar marsh, southern Iraq.*

Ali Douabul, Sama AlMaarofi: *Restoring the Garden of Eden: Negative Impacts.*

Amina Ak Al-Timari, Ali A Douabul, Abass A Hantoosh, Hamid T Al-Saad: *Distribution and sources of fatty
acids in sediment cores from Al-Hammar marsh, southern Iraq.*

Amina Ak Al-Timari, Ali A Douabul, Abass A Hantoosh, Hamid T Al-Saad: *Distribution and sources of fatty
acids in sediment cores from Al-Hammar marsh, southern Iraq.*

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.

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; 7(12).,
DOI:10.1007/s12517-013-1208-7

Ahmed I Rushdi, Bernd R.T. Simoneit, Ali A.Z. DouAbul, Khalid F Al-Mutlaq, Aarif H El-Mubarak,
Mohammed Qurban, Miguel A Goni: *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
10/2013; 470-471C:180-192., DOI:10.1016/j.scitotenv.2013.09.048

Sama Sameer Al-Maarofi, Abdul Zahra Abdul Rasul Alhello, Nadia Al-Mudaffar Fawzi, Ali Abdul Zahra
Douabul, Hamid Talib Al-Saad: *Desiccation versus Re-Flooding: Heavy Metals Mobilization – Part 1.*
Journal of Environmental Protection 08/2013; 4(08):27-36., DOI:10.4236/jep.2013.48A2004

Sama AlMaarofi, Ali Douabul: *Restoration Assessment: I-Phosphorus and Nitrogen dynamics versus
phytoplankton biomass in Al-Hawizeh marshland, Iraq.*

- 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; 30(2)., DOI:10.1007/s13157-010-0035-9
- Sama Almaarofi, Ali Douabul, Hamid Al-Saad: *Mesopotamian Marshlands: Salinization Problem*. *Journal of Environmental Protection* 10/2012; 3(10):1295-1301., DOI:10.4236/jep.2012.310147
- Ali Douabul, Nadia Al-Mudhafar, Abdul Zahra Alhello, Hamid Al-Saad, Sama Almaarofi: *Restoration versus Re-flooding: Mesopotamia Marshes*. DOI:10.4172/2157-7587.1000140
- Ali Abdul, Al-Zahra Douabul, Wisam Abdul, Ameer Farid, Hamid Talib, Sama Sameer Almaarofi: *HYDROCARBONS IN SOIL FROM BASRA OIL-RICH GOVERNORATE*. *American journal of environmental sciences* 05/2012; 8563568(8)., DOI:10.3844/ajessp.2012.563.568
- Ali Abdul Zahra Douabul, S.S. Al Maarof, Hamid Talib Al-Saad, Shukri Al-Hassen: *Gaseous Pollutants in Basra City, Iraq*. *Air, Soil and Water Research* 01/2012; 6(6):15-21., DOI:10.4137/ASWR.S10835
- 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* 12/2010; 7(s1)., DOI:10.1155/2010/839178
- 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 tracers to the Arabian Gulf by runoff from rivers and atmospheric dust transport*. *Arabian Journal of Geosciences* 05/2010;, DOI:10.1007/s12517-009-0043-3
- H T Al-Saad, M A Al-Hello, S M Al-Taein, A A Z Douabul: *Water quality of the Iraqi southern marshes*.
Ali Douabul: *Water quality of the Iraqi southern marshes*.
- 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., DOI:10.1007/s00128-009-9677-9
- Majeed R. A. Al-Hilli, Barry G. Warner, Taro Asada, Ali Douabul: *An assessment of vegetation and environmental controls in the 1970s of the Mesopotamian wetlands of southern Iraq*. *Wetlands Ecology and Management* 06/2009; 17(3):207-223., DOI:10.1007/s11273-008-9099-1
- H T Al-Saad, S M Al-Taein, M A R Al-Hello, A A Z Douabul: *Hydrocarbons and trace elements in the waters and sediments of the marshland of southern Iraq*.
- Hamid T Al-Saad, Ali A Douabul, Ibrahim M Abd, Maha K Zukhai: *MARINA MESOPOTAMICA 23 (2): 237-255 2008 UPTAKE -RELEASE OF POLLUTANT BY HILSA SHAD Tenualosa ilisha (HAMILTON-BUCHANAN) FISH COLLECTED FROM SOUTHERN IRAQ*.
- 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 Earth Sciences* 09/2006; 50(8):1171-1181., DOI:10.1007/s00254-006-0289-y

- 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 Earth Sciences 08/2006; 50(6):857-866., DOI:10.1007/s00254-006-0257-6
- Ali Douabul: *Concentration of petroleum hydrocarbons in Fish, Mussels and sediment samples from the Red Sea-Coast of Yemen*.
- Ali Douabul: *Source and distribution of sedimentary hydrocarbons in the Red Sea and Gulf of Aden coastal environment*.
- Ali A.-Z. Douabul, Nabeel A. Al-Shiwafi: *Dissolved/dispersed hydrocarbons in the Arabian region*. Marine Pollution Bulletin 10/1998; 36(10):844-850., DOI:10.1016/S0025-326X(98)00043-5
- 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 09/1997; 352(1):251-262., DOI:10.1023/A:1003048011029
- Manfred Ehrhardt, Ali Douabul: *Dissolved petroleum residues and alkylbenzene photo-oxidation products in the upper arabian gulf*. Marine Chemistry 07/1989; 26:363-370., DOI:10.1016/0304-4203(89)90041-8
- A A DouAbul, Hamid T. Al-Saad, Amina A. K. Al-Timari, Hussain 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., DOI:10.1007/BF01055178
- Jamal K. Abaychi, Solak A. Darmonoian, 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., DOI:10.1007/BF00008131
- A A DouAbul, Hamid T. Al-Saad, Amina A. K. Al-Timari, Hussain N. Al-Rekabi: *Tigris-Euphrates Delta: A Major Source of Pesticides to the Short abArab River (Iraq)*.
- 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 09/1987; 35(1):187-194., DOI:10.1007/BF00183853
- AAZ DOUABUL, JK ABAYCHI, MK ALASADI, H ALAWADI: *Restoration of heavily polluted branches of the Shatt Al-Arab river, Iraq*. Water Research 08/1987; 21(8):955-960., DOI:10.1016/S0043-1354(87)80013-1
- Ali A. Z. DouAbul, Muthanna Al-Omar, Selma Al-Obaidy, Nehla 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., DOI:10.1007/BF01608602
- Ali A Z Douabdul, Jamal K Abaychi, Tarik E Ai-Edanee, All A Ghani, Hamid T Ai-Saad: *Polynuclear Aromatic Hydrocarbons (PAHs) in Fish from the Arabian Gulf*. Bulletin of Environmental Contamination and Toxicology 04/1987; 38(38):546-552., DOI:10.1007/BF01606627
- Ali A Z Douabul, Hamid T A1-Saad, Hussain N A1-Rekabi, Hamid T Al-Saad, Hussain N Al-Rekabi: *Residues of Organochlorine Pesticides in Environmental Samples from the Shatt al-Arab River, Iraq*. Environmental Pollution 02/1987; 43(3):175-187., DOI:10.1016/0269-7491(87)90154-0
- Jamal K Abaychi, Ali A.Z Douabul: *Trace element geochemical associations in the Arabian Gulf*. Marine Pollution Bulletin 08/1986; 17(8):353-356., DOI:10.1016/0025-326X(86)90247-X

- Jamal K. Abaychi, Ali A.Z. DouAbul: *Trace metals in Shatt al-Arab River, Iraq*. Water Research 12/1985; 19(4):457-462., DOI:10.1016/0043-1354(85)90037-5
- 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 03/1985; 24(24):237-246., DOI:10.1007/BF00161784
- Ali Douabul: *n-Alkanes distribution in the surface sediment from the Arabian Gulf*.. The Science of Nature 01/1985; 72.
- J. Grimalt, J. Albaigés, H. T. Al-Saad, A. A. Z. Douabul: *n-Alkane distributions in surface sediments from the Arabian Gulf*. The Science of Nature 01/1985; 72(1):35-37., DOI:10.1007/BF00405327
- Ali A.Z. DouAbul: *Petroleum residues in the waters of the Shatt al-Arab River and the northwest region of the Arabian Gulf*. Environment International 12/1984; 10(3):265-267., DOI:10.1016/0160-4120(84)90244-7
- AZ DOUABUL, HT ALSAAD, SA 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 05/1984; 15(5):198-200., DOI:10.1016/0025-326X(84)90320-5
- A. Douabul, J. Riley: *Solubility of sulfur dioxide in distilled water and decarbonated sea water*. Journal of Chemical & Engineering Data 03/1979; 24(4)., DOI:10.1021/je60083a014
- 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 03/1979; 26A(3):259-268., DOI:10.1016/0198-0149(79)90023-2

Patents

Conference Proceedings

- Hamid T. Al-Saad, Amina AK. Al-Timari, Ali A. DouAbul Abass A. Hantoosh, Salah Mahdi, Ali M. Nasir: *Third Iraq oil and Gas conference (3rd IOGC) Hydrocarbons Wealth Assure a better Life Amara, October 28-29, 2015*. Third Iraq oil and Gas conference (3rd IOGC) Hydrocarbons Wealth Assure a better Life, Amara, October 28-29, 2015, Amara, Iraq; 10/2015
- Ali Douabul: *Basra Marine Conference*. Basra Marine Conference; 03/2015
- 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

Technical Reports

- Ali Douabul: *MSC Newsletter # 3*.