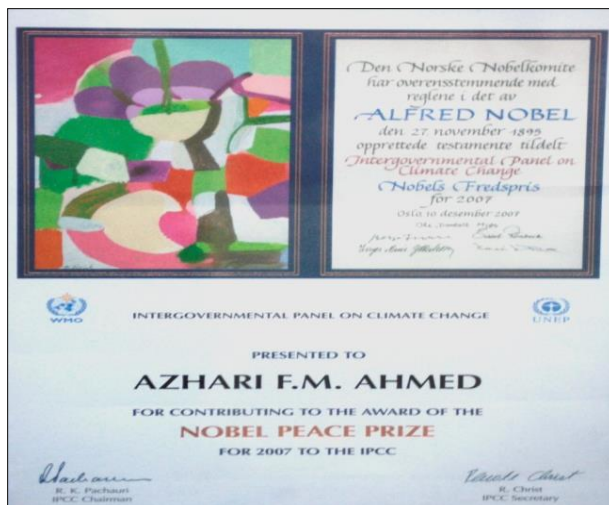


Brief Resume

DR. Azhari F.M. Ahmed
Ph.D., M.S., B.Sc. (hon)
Cofounder, Lead Consultant &
Executive Director, Eco-Qatar
Advisor in Climate Change, Ministry
Of Municipality & Environment,
Qatar



SYNOPSIS

Dr Ahmed has a PhD degree in Atmospheric Chemistry from Brunel University, England; M.S. degree in Chemical Oceanography from the University of Rhode Island, USA, and B.Sc. degree with honours in Chemistry and the University Prize, from the University of Khartoum.

Prior to the establishing Eco Qatar, Dr. Ahmed held a number of key positions in academia, regulatory institutions and the oil and gas industry. These include tenures as Associate Research Scientist (Professor) at the Research Institute, King Fahd University of Petroleum and Minerals in Saudi Arabia and as a Senior Consultant and Advisor in Air Pollution Science and Air Quality at the Meteorology and Environmental Protection Administration (MEPA), Saudi Arabia. Between 2000 and 2012, Dr. Ahmed was a Lead Environmental Engineer (Policy & Regulations) in the Department of Environment and Sustainable Development, Corporate HSE, Qatar Petroleum. Moreover, he served as senior advisor to the national team on climate change & sustainable development. Dr. Ahmed's interest in the field of environmental science is extensive. It includes atmospheric chemistry and air pollution science (air quality, air pollution emissions, transport, transformation, dispersion, deposition & modelling). He is also an expert in energy policy & environmental regulations, eco-toxicology, climate change & sustainable development. In the latter area, Dr. Ahmed has made significant contributions as a coordinating author and one of the two members of the Technical Working Group entrusted with preparation of Qatar's initial national communication under the UN Framework Convention on Climate change. He was also the co-project manager and lead author of a research investigation spanning 4 years, on "Photochemical modelling of ambient air ozone in the Western Arabian Gulf coast".

Dr. Ahmed has published extensively in the field of atmospheric chemistry, air pollution emissions, ambient air quality, toxicology and climate change. His scientific contribution includes a significant number of published papers in refereed international journals and classified technical reports. He made significant contribution to Qatar National Development Strategy (2011-2016) and was a lead author in the Energy Volume of the IPCC 2006 Greenhouse Gas Emission Inventory Guidelines.

1. HONORS AND AWARDS

During his academic career Dr. Ahmed received a number of honors and awards that include: Khartoum University Prize; U.S. Department of States Scholarship for best accomplished graduates and U.K. overseas Dep. Scholarship for top scholars (PhD Scholarship). He was a member of the Global Emissions Inventory Activity Committee, commissioned by I.U.P.A.C. (American Chemical Society (1990 – 1993) and Lead Author with the IPCC Working Group selected to prepare the 2006 IPCC Guidelines for Greenhouse Gas Emission Factors. Dr. Ahmed was also a member of the Editorial Board of the International Panel on Climate Change (IPCC) Greenhouse Gas Emission Factor Database (2002-2008) and member of Qatar National Climate Change Negotiation team to the UNFCCC COP & Subsidiary Bodies Meetings (2003, 2004, 2005, 2006, 2007, and 2008). Of significance Dr. Ahmed has been presented by the UN with the “Noble Peace Prize for 2007” in recognition of his distinguished contribution to the work conducted by the IPCC.

2. EDUCATION

1985	PhD in Atmospheric Chemistry, Brunel University, U.K.
1977	M.S. in Chemical Oceanography Graduate School of Oceanography University of Rhode Island, USA
1971	B.Sc. Honours in Chemistry (Upper Class, University Prize for best result) University of Khartoum

3. EMPLOYMENT HISTORY

2020-Now	Senior Advisor in Climate Change Ministry of Municipality & Environment, Qatar
2012-2020	Cofounder & Executive Manager: Eco Qatar Environmental Engineering Consulting Office; specialized in industrial technical services in environmental protection science & engineering.
2000 – 2012	Lead Environmental Engineer & Advisor/Negotiator with Qatar National Team on Climate Change: Environment & Sustainable Development, Corporate HSE, Qatar Petroleum.
1992 – 2000	Senior Advisor/Consultant in Air Pollution Control & Environmental Protection: Presidency of Meteorology & Environmental Protection, Ministry of Defence, Kingdom of Saudi Arabia.
1986 – 1992	Associate Research Scientist/Professor; Water Resources & Environment Division, Research Institute, King Fahd University of Petroleum & Minerals (KFUPM), Dhahran, Saudi Arabia.
1978 – 1986	Lecturer in Environmental Analytical Chemistry: Department of Chemistry, Faculty of Science, University of Khartoum.
1971 – 1978	Research Assistant, later Researcher: Institute of Oceanography, National Research Council, Port Sudan.

4. Key Honors & Awards

- Khartoum University Prize for best honor degree in Chemistry;
- U. S. Department of States Scholarship for best accomplished graduates (M.S. Scholarship);
- U.K. overseas Dep. Scholarship for top scholars (PhD Scholarship for Khartoum University);
- Member of the Global Emissions Inventory Activity Committee, commissioned by I.U.P.A.C. (American Chemical Society (1990 – 1993);
- Invited guest speaker at the International Symposium of Emission Inventory, Tsukuba Japan, 1992;
- Lead Author with the IPCC Working Group selected to prepare the “Energy Volume” of the 2006 IPCC Guidelines for Greenhouse Gas Emission Factors.

- Member of the Editorial Board of the International Panel on Climate Change (IPCC) Greenhouse Gas Emission Factor Database (2002-2008);
- Member of the Referring Committee for Arab Cities Environmental Prize (2006);
- Member of the Referring Committee for the GCC Environmental Prize (2007, 2008);
- 2007 Noble Peace Laureate in recognition of distinguished contribution to the work conducted by the IPCC.
- Member of Qatar National Climate Change Negotiation team to the UNFCCC COP & Subsidiary Bodies Meetings (2003, 2004, 2005, 2006, 2007, 2008);
- Member of the Energy & Climate Task Team, Qatar National Development Strategy 2011-2016;
- External Reviewer for the GCC Gulf Organization for Industrial Consulting (2016-2019)

5. KEY REFEREED REPORTS

- Ministry of Environment-National Communication Technical Working Group-(2011) State of Qatar Initial National Communication to the UN Framework Convention on Climate Change, http://unfccc.int/national_reports/non-annex_1
- QP Guideline for Monitoring and Reporting of Greenhouse Gas & Air Quality Criteria Pollutant Emissions (GMRE), Document No. QP-GDL-V-009, Corporate Environment & Sustainable Development Department (2011).
- QP Draft Guidelines for Management of Ambient Air Quality Monitoring Network, Document No. QP-GDL-V-010 (under revision) Corporate Environment & Sustainable Development Department (2011).
- Climate Change and Human Development in Qatar: Issues, Challenges and Opportunities, Co-author Background Paper for GSDP and UNDP, Qatar's Second Human Development Report, *Advancing Sustainable Development*, GSDP, Doha (2009), www.gsdp.gov.qa.
- Ahmed, A.F.M., Lecoer, D., Sadois, C (2009) Qatar Air Quality Modelling Project Final Report: Report Synopsis, Appendix A, Evaluation of QAQM Platform, Appendix B, Sensitivity Studies, Appendix C, Emission Inventory Compilation, Appendix D, MM 5 Meteorological Model, Appendix E Chimere Eulerian Model, Appendix F, Chimere User Guide, Environment and Sustainable Development, Corporate HSE, QP.
- Ahmed, A.F.M., Gjerald, E, Nordrum, S. and Yesserkepova, I. (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories, Volume 2: Energy, Chapter 4: Fugitive Emissions, Published by Institute for Global Environmental Strategies (IGES), Hayama, Japan.
- Greenhouse gas emission inventory for Saudi Arabia, KFUPM-RI Project No.24127, *King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia (1990)*.
- Saudi Arabian Greenhouse gas emission inventory (1970 -1995). Draft Country Report to the United Nations Framework Convention on Climate Change (co-authored with Tawfiq, Al-Fawaz, and others), *Meteorology and Environmental Protection Administration (MEPA) P. O. box 1358, Jeddah 21431 (1998)*.
- Ahmed, A.F.M. (1996) Assessment of the Impact of Air Pollution Emissions on Ambient Air Quality in the City of Jeddah, Classified Document No. 31-18-96, Pollution Control Directorate, Environmental Protection General Directorate, Meteorology & Environmental Protection Administration (MEPA), Kingdom of Saudi Arabia.

6. REFEREED PUBLICATIONS & CONFERENCE PAPERS

- Ahmed, A.F.M. and Al-Maslamani, M.J. (2004). Anticipated Economic Costs and Benefits of Ratification of the Kyoto Protocol by the State of Qatar. *Climate Policy, Vol. 4. Issue 1, 75-80.*
- Al-Jar Allah, A.M. and Ahmed A.F.M. (1989) Impact of lead phase down on the environment with special reference to Saudi Arabia. *J. Environ. Sci. Health, A24 (5), 515-533.*
- Ahmed, A.F.M. and El-Mubarak, A.H. (1990) Lead and cadmium in human hair: A comparison among four countries *Bull. Environ. Contamination Toxicol.45, 139-148.*
- Ahmed, A.F.M. (1990). Atmospheric emissions of sulphur and nitrogen oxides due to fossil fuel combustion in Saudi Arabia. *First Saudi Symposium on Energy, utilization and Conservation, March 4-7, King Abdul-Aziz University, Jeddah, Saudi Arabia, p309.*
- Ahmed, A.F.M. (1990) SO₂ and NO_x emission in Saudi Arabia: An inventory. *Atmosph.Environ.24A (12), 2917-2926.*
- Ahmed, A.F.M. Singh, R.P and El-Mubarak, A.H. (1990) Chemistry of atmospheric precipitation at the Western Arabian Gulf Coast. *Atmosph.Environ.24A (12), 2926-2934.*
- Ahmed, A.F.M. and El-Mubarak, A.H. (1991) Assessment of trace elements in hair of a Saudi Arabia suburban adult male population. *Environmental Technology, 12,387-392.*
- Ahmed, A.F.M. (1991). Composition and sources of the background atmospheric aerosol at the Western Arabian Gulf coast. *IUPAC CHEMRAWN-VII World Conference on the chemistry of the atmosphere: Its impact on global change, December 2-6, Baltimore, Maryland.*
- Ahmed, A.F.M. (1992) Anthropogenic SO₂ and NO_x Emissions from the States of the Gulf Cooperation Council. *ITIT International Conference on emission inventory, March 24-25, Tsukuba Japan.*
- Ahmed, A.F.M. (1993) Assessment of air pollution from stationary sources in Saudi Arabia: status quo and the future, *Symposium on Air Pollution from Industry, Faculty of Engineering, King Saud University, Riyadh, Saudi Arabia (in Arabic).*
- Al-Gain and A. F.M. Ahmed (1997), The State of environmental management and pollution load in the Kingdom of Saudi, *Symposium on Environmental Management and Experience of Saudi Arabia, Institute of Public Administration, Riyadh, Saudi Arabia (in Arabic).*
- Ahmed, A.F.M and Al-Hari, K (2002). Major Environmental, Economic and Methodological Considerations to promote Natural gas as a Cleaner Fuel for the twenty-First century. *SBSTA Workshop on Cleaner or Less Greenhouse Emitting Energy, Whistler, Canada, FCCC/SBSTA/2002/MISC.3.*
- Ahmed, A.F.M. and Hussona A.H. (2003) Profile of Qatar's Macro-economy with Emphasis on Efforts to Diversify the Oil and Gas Industrial Sector, *UNFCCC Workshop on Economic Diversification, Tehran, Islamic Republic of Iran 18 – 19 October, 2003.*
- Ahmed, A.F.M. (2006) Fundamental Considerations in Air Quality Monitoring, *Supreme Council for the Environment and Natural Reserves Workshop on Environmental Monitoring, Merwap Hotel 16-19 April.*
- Ahmed, A.F.M. (2006) Natural Gas at the Heart of the Kyoto Protocol and WTO Trade and Environment Negotiations, *6th Doha Natural Gas Conference, October 29 – November 1, Sheraton Hotel Doha.*
- Al-Mulla, A.H., Ahmed, A.F.M., Lecoeur, D. (2007) Photochemical Modelling of Ambient Air Ozone in the Western Arabian Gulf Coast: A new Application in Qatar, *SPE Middle East HSSE Conference and Exhibition, Four Season Hotel, Doha, Qatar 20-22 October.*

- Ahmed, A.F.M., Al-Mulla, A.H. (2010) Mitigating Anthropogenic Air Emissions in Qatar: Sustainable Development Opportunities for the Oil and Gas Industry, Sultan Qaboos University-Japan Cooperation Centre (CCP) Third Joint Symposium 19th- 21st December 2010, Muscat, Sultanate of Oman.

7. Eco-Qatar: Profile & Recent Projects

HOME

Eco Qatar Environmental Protection Science & Technology Consultants was established in 2012 to serve as a leading-edge consulting centre in support of the private sector, governments and the industry. It is specialized in the area of environmental protection science and technology, climate change and sustainable development.

VISION

To Be the Private Sector's Centre of Excellence for Consultation On Environmental Protection Science & Technology Solutions

MISSION

To provide Environmental Science & Engineering Management Services that are quality assured including sustainable development technical solutions to the government & private sector by employing and partnering with highly specialized team members.

ENVIRONMENTAL MANAGEMENT SERVICES

Environmental Permitting, Environmental Impact Assessment & Strategic Environmental Assessment, Environmental Auditing, Noise & Air Quality Pollution monitoring, EMP Reporting for Consent-to-Operate permits, Waste water & Energy Management Audits and services, Corporate Social Responsibility Assessment.

8. SELECTION OF TECHNICAL PROPOSALS & STUDY PROJECTS IMPLEMENTED BY ECO QATAR CONSULTANTS

No.	Project Title	Year
1	Overview of Qatar Elemental Sulphur Trade: Production, Export, Import and Market Prospects (technical study, University of Aberdeen, UK,)	January 2014
2	Relative Accuracy Test Auditing (RATA) of SEEF's CEM System	2013
3	Climate Change Mitigation & CSR in Qatar and the GCC States: A Framework for Enhanced Actions Using Market Based Carbon Trading (Report published in the White Book on CSR Best Practices in Qatar, Dar Al-Sharq PP 118-121)	2013
4	Design of A New Market-Based Carbon Trust Scheme for Qatar (Study proposal for GORD)	2013
5	MID Term Review of Climate Change Sector Outcome on Reducing GHG Emissions (Technical Study – Ministry of Planning Development & Statistics)	2014
6	Fast-Track Scheme to Consolidate HIA Initial Environmental Monitoring Report pursuant to CTO requirements (Hamad International Airport)	2014
7	Environmental Impact Assessment Scope of Work for Sand Wash Plant, Commissioned for Qatar Primary Materials Company (QPMC)	2015
8	Environmental Impact Assessment Scope of Work for an Organic Fertilizer Factory (QOFF) a new development, submitted to MME	2016

9	Environmental Impact Assessment Report for an Organic Fertilizer Factory (QOFF) a new development	2016
10	Assessment of Indoor Air Quality & Comfort at Vodafone QDC & ILS Data Centres, Final Report Prepared for Vodafone, Qatar	2017
11	EIA Scope of Work: Mouna Food Industrial Development, MME	2018
12	Final EIA Study Report; Mouna Food Industrial Development: An Integrated Extension of Athba Poultry Farm Aligned with Sustainable Development, Ministry of Municipality & Environment	2018
13	EIA Scope of Work & Final EIA Study Report for Balady Poultry Farm Development, Approved by MME	2018
14	EMP & Reporting pursuant to MME CTO Permitting Approval for a Number of Small/medium Scale Industries: Aldar Printing Press, Aluglass, Ocean Fish	2018
15	EMP & Reporting pursuant to MME CTO Permitting Approval for Milaha Ship Repair Facility, MIC (approved by MME)	2019
16	External Review of Final Reports on Recycling (KSA, Kuwait & Industrial Wastewater treatment in Kuwait) commissioned by Gulf Organization for Industrial Consulting (GOIC)	2018, 2019