
Personal Details

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Key Qualifications

Specialises in:

- **Integrated water resources assessment and management:** Expert in assessing river basin water resources, water use, reserves and water quality, and then using these data to develop integrated water resource management plans with the aid of GIS and groundwater models.
- **Data organisation:** Excellent computer skills including advanced use of industry-standard software packages such as MS Office, ArcGIS, Manifold, Global Mapper, Modflow, Landsim, Consim and AquiferTest. Expert in collating and processing satellite, DTEM, base data and water resources information into databases then utilising these data to create maps for assessment, management, reporting and presentation purposes. Used to working with few or unreliable data and skilled at obtaining missing and representative resources from stakeholders, the internet, field inventories and pilot projects.
- **Environmental Assessment:** Skilled in identifying sources of groundwater contamination and environmental and human receptors via inventories, sampling, monitoring and aquifer tests. Risk analyses of groundwater vulnerability using a variety of techniques (UK Level 1 to 4 procedures, numerical groundwater models or ArcGIS overlay and index methods).
- **Field work:** Expert in locating water sources, drilling and pumping test supervision.

He is a Freelance Consultant. He has also been a Manager, Principal Consultant, Team Leader and Technical Advisor for a number of companies and projects and has experience in Afghanistan, Albania, Botswana, Canada, Kenya, Kosovo, Nigeria, Oman, Pakistan, Sudan, the UK and the USA.

Education and Professional Status

M.Sc., Hydrogeology, University of London, 1982.
Diploma Hydrogeology, University College London, 1982.
B.Sc. (2:1 Hons.), Environmental Science, Plymouth Polytechnic, 1980.
Fellow of the Geological Society.
Member of the International Association of Hydrogeologists.

Career Summary

- 2016-2017, Consultant Hydrogeologist, Geo Resources Consultancy (GRC), Oman.
- 2013-2016, Principal Consultant & Manager, GRC, Sultanate of Oman.
- 2013-2013, Consultant Hydrogeologist, GRC, Sultanate of Oman
- 2011, Consultant Hydrogeologist, COWI AS, Albania.
- 2011-2012, Team Leader, Lahmeyer International, Pakistan.
- 2010-2011, Consultant Hydrogeologist, Egis-BCEOM International, Kenya.
- 2010, Consultant Hydrogeologist, Lahmeyer International, Sudan.
- 2009-2010, Consultant Hydrogeologist (KE3), GFA, Kosovo.
- 2007-2008, Consultant Hydrogeologist, GRC, Oman.
- 2006-2007, Consultant Hydrogeologist, BCEOM, Sultanate of Oman.

- 2005-2006, Consultant Hydrogeologist, GRC, Oman.
- 2005, Consultant Hydrogeologist, PCI Asia, Afghanistan.
- 2003-2005, Consultant Hydrogeologist, GRC, Oman.
- 2001-2003, Team Leader, Water Resources Consultants, Botswana.
- 2000-2001, Consultant Hydrogeologist, Komex International Ltd, Alberta, Canada.
- 2000, Consultant Hydrogeologist, Komex H2O Science, California, USA.
- 1999-2000, Team Leader, Resources Services, Botswana.
- 1991-1999, Expert Hydrogeologist, Ministry of Water Resources, Oman.
- 1991, Senior Hydrogeologist, M J Carter Associates, UK.
- 1984-1990, Hydrogeologist, Sir M. MacDonald & Partners (now called Mott MacDonald International), UK, Pakistan & Nigeria.
- 1984, Hydrogeologist, Wimpey Laboratory, UK.
- 1982-1983, Hydrogeologist, Isles of Scilly Council, Isles of Scilly, UK.

Key Assignments

- Inception report, groundwater model and feasibility study for A' Namaa Poultry Company SAOC [GRC, Oman].
- Soil and groundwater risk assessment for PDO [GRC, Oman].
- Inception report for O'Sool Poultry Company SAOC [GRC, Oman].
- Manager/ Principal Consultant responsible for GRC's Water Resources, Geology and Surveying Department [Oman].
- Investigation of groundwater resources to one million date palms [GRC & Diwan, Oman].
- Feasibility study for a water supply to Durres [COWI & World Bank, Albania].
- Feasibility study and new water supplies for Nairobi [BCEOM, World Bank & AFD, Kenya].
- Roseires Dam heightening project, Blue Nile [GFA, Sudan].
- Institutional support to the Ministry of Environment and Spatial Planning [GFA, EU, Kosovo].
- Groundwater evaluation of Dhofar Governorate [GRC & MRMEWR, Oman].
- Extension of Sur desalination plant [BCEOM & Veolia Water, Oman].
- Exploration drilling and aquifer testing in Northern Oman [GRC & MRMWR, Oman].
- Emergency infrastructure, rehabilitation and reconstruction project [PCI & ADB, Afghanistan].
- Western Al Wusta desert project [MRMEWR & GRC, Oman].
- Maun groundwater development project [WRA & PAWR, Botswana].
- Extraction of bitumen from oil-sands, EIA of oils activities [Komex, Canada and USA].
- Hydrogeological Expert – various assignments [MWR, Oman].
- EIA of mineral extraction and landfills [Carter Associates, UK].
- Investigations of groundwater recharge schemes [MMP, Oman].
- Scavenger well investigations [MMP, Pakistan].
- Rural water supplies for 1100 villages [Work Bank, MMP, Nigeria].
- Dewatering requirements for a nuclear power station [Wimpey Laboratory, UK].
- Water resources investigation [St Mary's Council & EU, Isles of Scilly].