

**PERSONAL DATA:**

<b>Family Name:</b>	Chikhali
<b>First Name:</b>	Mwaffak
<b>Nationality:</b>	Syrian
<b>Date of birth:</b>	07/02/1967
<b>Place of birth:</b>	Damascus, Syria
<b>Civil Status:</b>	Married
<b>Years of Experience in UAE</b>	3

**KEY QUALIFICATIONS & EXPERTISE**

Dr. Chikhali has over 20 years of professional and academic experience in the fields of natural resources management, water and ecology, and agricultural science. Dr. Chikhali is a principal water resources, Mr. Chikhali has directed extensive water resources and led comprehensive range of projects' activities in Syria and the region.

Key Strengths:

- Integrated Water Resources Management
- Training and Workshop
- Project Management

**EXPERIENCE RECORD (FROM RECENT TO OLDEST)**

**1. Earth Link & Advanced Resources Development (ELARD Syria) (2006 - Present)**

*Title: General Manager, Projects Director, Lead Ecologist*

Leading and managing ecological baseline surveys as part of environmental and social impact assessment studies, strategic environmental assessment projects involving client interface and team management. Delivering high-quality analytical reports, and field data analysis. Developing proposals. Corporate management and business development.

Selected Projects:

- Technical Review for the Terms of Reference (TOR) for Strategic Environmental Assessment (SEA) for the Al Ain and Al Dhafra Master Plans, (Abu Dhabi Department of Municipalities and Transport (DMT), 2019 – ongoing
- Technical Review for the Al Sheleila Detailed Master Plan (DMP) Ecological Survey (Abu Dhabi Department of Municipalities and Transport (DMT), 2019 – 2020
- Defining Pollution Sources and Impact Assessment on Biodiversity at Al Sen Spring and surrounding environment, Latakia, Syria ( 2016 – 2017)
- Detailed Ecology Assessment and biodiversity impact assessment as part of EIA for Iraq Export Pipeline Infrastructure Project (Oil Projects Company – SCOP, 2013 - 2015)

- Detailed Ecology Assessment and biodiversity impact assessment as part of Environmental and Social Impact Assessment (ESIA) for the 42" Missan Crude Oil Export Pipeline (MOEP) (Petrochina Company Limited, Iraq Branch) (2013)
- Natural resources management and assessment for Lafarge cement manufacturing activities in Karbala, Iraq. (June 2013 - April 2014)
- Green Belt Design and Construction Supervision in Lafarge site, Karbala, Iraq. (2014)
- Environmental Baseline Survey for ESIA for Crude Oil Pipeline in Missan Oil Fields in the Republic of Iraq (Bureau Veritas, (2013)
- Detailed Ecology Assessment and biodiversity impact assessment as part of EIA for the Abu Dhabi Airport Free Zone Master Plan, ADAC (2013-2014)
- Detailed Ecology Assessment and biodiversity impact assessment as part of Environmental and Social Impact Assessment for the New Nassiriya Refinery – Iraq, (State Company for Oil Projects) (2011 – 2012)
- Development of the water management policy in Tigris and Khabour Basin. Ministry of water resources, Syria (2011 - 2015)
- National Team Leader: the 4<sup>th</sup> National report on CBD; UNDP, Syria (2009)
- Detailed Ecology Assessment and biodiversity impact assessment as part of EIA for the Exploration and Production Activities of Petro Canada in Ash Shaer and Cherrife Development Areas, Palmyra, Syria (2008-2009)
- Detailed Ecology Assessment and biodiversity impact assessment as part of EIA for Jihar 11 well Drilling, Hayan Petroleum Company, Homs, Syria (2011 - 2012)
- Environmental Supervision for Al Bashaer-1 well drilling activities in Itheria field and Due Diligence Study, Loon Latakia Limited, Aleppo, Syria (2011)
- Detailed Ecology Assessment and biodiversity impact assessment as part of EIA for Al Bashaer-1 well drilling, Loon Energy Petroleum Company, Aleppo, Syria (2011)
- Environmental Supervision for Itheria-1 well drilling activities in Itheria field and Due Diligence Study, Loon Latakia Limited, Aleppo, Syria (2011)
- Detailed Ecology Assessment and biodiversity impact assessment as part of EIA for Itheria-1 well drilling, Loon Energy Petroleum Company, Aleppo, Syria (2009 - 2011)
- Environmental Management Summary for Itheria-1 well drilling activities in Itheria field, Loon Latakia Limited, Aleppo, Syria (2010-2011)
- Environmental Management Plan for the Al Ain Wild Life Park and Resort in UAE, AWPR (2009-2010)
- National Consultant on UN Global Compact Principles, (2010 - 2011).
- Detailed Ecology Assessment and biodiversity impact assessment as part of EIA for Grassroots Oil Refinery Karbala, Iraq (2010)
- Detailed Ecology Assessment and biodiversity impact assessment as part of EIA for Manda-1 well Drilling and all Petro-Canada previous activities in Block II, Al Hasakah, Syria (2010)
- Environmental Supervision for 3D seismic activities in Itheria field and Due Diligence Study, Loon Latakia Limited, Aleppo, Syria (2010)

- Detailed Ecology Assessment and biodiversity impact assessment as part of EIA for the Activities of Hayyan Petroleum Company Hayan Block Palmyra, Syria (2010)
- Detailed Ecology Assessment and biodiversity impact assessment as part of EIA for 3D seismic activities in Itheria field, Loon Energy Petroleum Company, Aleppo, Syria (2009)
- Environmental Impact Assessment for the baselt quarry of Lafarge Cement Syria Company Raqqa, Syria (2009)
- Environmental Impact Assessment and Environmental Baseline Study of Hayan Petroleum Company Homs, Syria (2009)
- Environmental Impact Assessment for 3D seismic activities. Petro-Canada Palmyra Homs, Syria (2009)
- Environmental Impact Assessment- Arab Gas Pipeline Phase II - IPA Energy Homs, Hama & Aleppo, Syria (2008)
- Water Resource Management for Bena properties residential development, Dimas, Syria (2009)
- Detailed Ecology Assessment and biodiversity impact assessment as part of ESIA study for the three components of Lafarge - the cement factory, the power plant and the quarries (2009)
- Coastal Modelling and Hydraulic Studies for Bena Properties including marine and coastal ecology impact assessment for the Amrit Resort, Amrit, Syria (2009)
- Environmental Impact Assessment, EBS and Soil sampling of SOYUZNEFTEGAZ E&P 12 IN. – Syria (2008-2009)
- Environmental Impact Assessment of Al Rajhy for cement. Homs – Syria (2008-2009)
- Environmental Impact Assessment of Assayal oil well" TatNeff Syria (2008)
- Environmental Impact Assessment of AlBadieah for Cement. Rural Damascus – Syria (2008)
- Integrated water resources management plan of Orontes Basin in Syria. DHV Netherlands, (2007 - 2008)
- Support to the adoption and implementation of the National Action Programme for Combating Desertification in Syria" is a UNDP/DDC fund Syria (2005-2006)

## **2. Envirotech – Syria (2003-2004)**

*Title: Project Coordinator/ Senior Consultant*

- Environmental Impact Assessment for Tanak Oil Fields of AFPC in Deir Ez Zor, Syria (2004)
- Integrated Coastal Management Plan for Syria and Lebanon. SMAP/MEDA (2003-2004)
- Coastal Water Resource Management Project. DHV- Ministry of Irrigation/ Syria (2003-2004).

## **3. GEF – UNDP (2003-2004)**

*Title: Consultant*

- The Conservation and Sustainable use of Agrobiodiversity in dry areas project

#### **4. Faculty of Science – Damascus University**

*Title: Lecturer*

- Lectures for Students of Higher Studies Diploma in two subjects: Plant Ecology and Biotechnology in Syria (2003 - 2004)

#### **5. DHV Consultants, the Netherlands (Dutch Grant) (2003-2004)**

*Title: Local Project Coordinator*

- Coastal Water Resource Management Project. The project is led by DHV and in cooperation with the Ministry of Irrigation. It involves:
  - Actualization of the coastal basins water balance,
  - Optimization of groundwater development,
  - Linking to a National Databank,
  - Water pollution control,
  - Detailing options for reuse of wastewater Syria

#### **6. Envirotech Ltd. (EU Grant) (2002-2004)**

*Title: Senior Technical Manager*

- Project: "Integrated Coastal Management Plan for Syria and Lebanon" SMAP/MEDA project Syria and Lebanon. It involves:
  - Introducing GIS as a decision-making tool for coastal planning;
  - Promoting key elements of an integrated coastal management plan through designing and implementing Demonstrative Actions relating to solid the management of solid waste, wastewater treatment, eco-tourism and small-to-medium size industries.

#### **7. Ministry of Environment and GEF & UNDP (2003)**

*Title: National Expert of Biodiversity in Dry Areas*

- The National Strategy and action plan for Biodiversity is a project funded by GEF and implanted by UNDP and the Ministry of Environment in Syria

#### **8. The Arab Centre for the studies of Arid zones and Dry lands (ACSAD) - Syria and Arab countries (1991-2002)**

*Title: ACSAD's Principal Expert*

Responsibilities: Plant Taxonomy and Ecology

- The Arab Data Base of Plant Arid zones (ADAP)
- Rural development in Ba'albek-Hermel area (UNEP, Lebanon)
- The country study of Biodiversity in Syria (UNDP - The Ministry of Environment)
- Global Environment Outlook (GEO)
- Rural development of dry areas in Syria (Badieh)
- The conservation of Agrobiodiversity (UNDP - GEF project)

- The strategy and national work-plan of biodiversity in Syria (GEF -UNDP)
- The eco-geographical survey of Pistacia sp. in southern area of Syria (IPGRI - ACSAD)

## EDUCATION

- **Ph.D. Agr. Sc. Specialized in Ecology and Landscaping - Hohenheim University**, Stuttgart, Germany (1997 - 2000),
- **M.Sc. Specialized in Plant Ecology** - Damascus University, Damascus, Syria (1991- 1994).

## PROFESSIONAL PUBLICATIONS

- The national requirements to control the biodiversity in El-Badieh, National workshop of the project of Strategy and National work-plan of Biodiversity in Syria. (UNDP-GEF, SY/97/G31) Edleb, Syria, Nov. 2002.
- Assessment of national capacities for In-situ and Ex-site conservation of biodiversity in El-Badieh. National workshop of the project of Strategy and National work-plan of Biodiversity in Syria. (UNOP-GEF, 5Y/97/G31). Homs, Syria, May 2002.
- The threats of biodiversity in El-Badieh, National workshop of the project of Strategy and National Work Plan of Biodiversity in Syria. (UNDP-GEF, SY/97/G31) Aleppo, Syria, Apr. 2002.
- Checklist of plant biodiversity in Jabal El-Arab area (SE Syria), Report submitted to the natural reserves of biodiversity, (UNDP-GEF - Ministry of Environment). Dec. 2002.
- Applications of GIS in vegetation geographical distribution. Lecture presented in the regional training course, Agrobiodiversity (UNDP - GEF), ICARDA, Aleppo, Syria, Apr. 2001.
- Multipurpose tree species in dry area of Arab countries. Paper submitted to the regional workshop on the conservation of biodiversity and sustainable use (FAO - UNISCO). Damascus, Oct. 2001
- The Endemism in the natural vegetation of the Arab world. Paper submitted to the first meeting of the Arab experts in the biodiversity organized by The Arab league, ACSAD, IPGRI, ICARDA and AOAD. Cairo, Egypt, Oct.1995.
- The Biological Diversity in the dry areas. Paper presented in the Riyadh conservation forum (IUCN, CNWCD). Riyadh, Saudi Arabia, Oct.1995.

## LANGUAGE SKILLS

Proficiency is marked from 1 to 5, such that 1=basic & 5=fluent

Language	Reading	Speaking	Writing
English	4	4	4
French	2	3	2
German	3	3	3

<b>Arabic</b>	5	5	5
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