

## PERSONAL DATA:

**Family Name:** Chikhali  
**First Name:** Mwaffak  
**Nationality:** Syrian  
**Date of birth:** February 7, 1967  
**Place of birth:** Damascus, Syria  
**Civil Status:** Married

## KEY QUALIFICATIONS & EXPERTISE:

- Leading experience in project development:, preparation of project proposal/action plan, budgeting, project monitoring and evaluation;
- Leading experience in water quality and water resources management.
- Leading experience in supervising on diagnostic and rehabilitation feasibility studies.
- Managing and supervising of the development and successful execution of surveying and field evaluation studies projects including, but not limited to developing and administering instruments, overseeing data collection efforts and data management, and analyzing and synthesizing quantitative and qualitative data.
- Ensuring the high quality of all survey outputs through constant review of survey building processes and methodologies
- Leading evaluations Projects to ensure the delivery of high quality deliverables
- Working with Project team leader to design, execute, and manage evaluation activities.
- Utilizing a participatory approach to evaluation and reporting and disseminating findings to diverse community stakeholders.
- Coordinating with multiple team members, monitoring the progress and performance of the assigned projects.
- Ensuring performance measure reporting requirements are met in accordance with projects timelines.
- Principal knowledge in analysis and assessment of country development issues and public management policies in areas of human development and environment;
- Good skills in development and allocation of human resources and training;
- National Expert of Biodiversity.
- Extensive experience in formulating policies and strategies of evaluating biodiversity conservation and natural resources management projects.
- Proficiency in providing technical leadership in planning, management, and implementation of biodiversity conservation and management activities.
- Member of Arab Scientists Association (NGO), (Syria).
- Principal knowledge in analysis and assessment of country development issues and public management policies in areas of human development and environment;
- Good skills in development and allocation of human resources and training;
- Associate Member of the Syrian Information Society, (Syria)
- Member of Arab Scientists Association (NGO), (Syria)
- National trainer of trainees on EIA (legislation and procedures) in Syria: GTZ project to improve the Environmental policy and legislations.

## EDUCATION

- **Ph.D. Agr. Sc. Specialize in Natural Resources Management- Hohenheim University, Stuttgart, Germany (1997 - 2000),**
- **M.Sc. Specialized in Ecology - Damascus University, Damascus, Syria (1991- 1994).**

**EXPERIENCE RECORD:**

- 1. Freelance Consultant, Natural Resources Management, National Agenda For Syria (NAFS program, ESCWA), 2020-2023.**
- 2. Team Leader, End of project evaluation “Humanitarian Local Water Supply For Frontier Communities”, Agha Khan Agency For Habitat; 2022; Syria**

**3. ELARD (2006 - Present)**

***Title: General Manager, Projects Director, & Water Resources Management Expert***

***Selected Projects:***

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- Field-based Review of ICRC's Program of General Assistance to Cereal Farmers in Syria, Client: ICRC, Syria (2022- ongoing).
- Forest Fire Assessment and Development Short and Medium Action Plans. Client: UNDP – Syria (2021)
- Local Economy and Labour Market Survey in Salamieh District, Client: The Aga Khan Foundation -Syria, (2017- 2018)
- Evaluation of the ROSS emergency program (2006-2008), Client: Development Researcher' Networks, Lebanon (2009).
- Livelihood Approaches To Sustainable Land Management: A Pilot Intervention in Sahl El Daw Syria, Client: UNCCP, Syria (2005- 2006).
- Knowledge, Attitude and Practice (KAP) Baseline Survey for WASH components in Damascus primary schools, Oxfam, Syria, (2017)
- Consultancy Services for Assessing and Managing the Use of Groundwater Resources and Developing a Strategy and Policy for Sustainable Development and Management of Groundwater Resources in Uganda, Client: Ministry of Water and Environment, Uganda (2021- ongoing).
- Development of Water Resources Management and policy within Dejlé and Khabour water Basin, North Eastern Syria, Client: IFAD (Fund), Ministry of Water Resources, Syria (2012- 2014).
- Integrated Water Resources Management Plan Orontes basin - Syria, Client: DHV Netherlands, (2008)
- Water Resources Assessment for Aman Cement Company in Abu Shamat Area, Syria, Client: Aman Cement Company, (2020)
- Water Resources Assessment for Central Cement Industry Company in Abu Shamat Area, Syria, Client: Central Cement Industry Company, (2019)
- Assessing the National Groundwater Resources through Data Collection and Field Assessment Campaign of Groundwater resources across Lebanon, Client: UNDP, (2011 - 2014)
- Feasibility Study for Providing Water to Lafarge Cement Factory in Aleppo from the Euphrates River, 2009.

- Water sector in Syria gap analysis. National Agenda For Syria (NAFS, ESCWA, 2019)
- Water resources management and assessment for Lafarge activities in Karball, Iraq. (June 2013 - April 2014)
- Water Resource Management for Bena properties, Dimas, Syria (2009)
 

Bena properties construct a distinguished residential area in Dimas, which requires providing water resources during the phases of construction and investment. ELARD responsibilities included hydrogeological and geophysical investigations of the project area to determine the best locations for drilling wells.
- Coastal Modelling and Hydraulic Studies for Bena Properties - Amrit Resort, Amrit, Syria (2009)
 

Bena Properties has plans for the development of Amrit Resort, just 5 km south of Tartus, Syria. Amrit is located amid an archaeological city dating back to the period of the Amorites, 3rd century BC. The planned resort area occupies a site area of approximately 35 ha and is expected to have a total built up area of around 300,000 sqm comprising a hotel, apartments, villas, commercial facilities as well as a marina.
- Hydrogeological study to Locate groundwater Resources for the Area of Tripoli, Client: North Lebanon Water Establishment (NLWE), (2017 - 2019)
- Assessment of Pollution Resources and Eutrophication Problem in Al Sin Lake and its Springs System, Client: Water Resources Directorate in Lattakia Governorate - Syria, (2017)
- Water Resource Assessment for the Eighth Gate Development - Sabboura, Syria, Client: EMAAR-IGO, (2010 - 2011)
- Well Diagnosis and Testing at Sabboura Development, Client: MAFSID, Syria (2009)
- Hydrogeophysical Study within Farqles Area to Select a Location for Water Well, Client: Petro Canada, Syria (2009)
- Feasibility Study on the protection of Figeih Spring System, Client: KFW Damascus Water Supply and Sewage Authority (DAWSSA), Syria (2009)
- MoWR Training Program 2021, Conducting Professional Trainings for Local Water Boards' Staff, Syria. Client: ICRC, Syria (2021-ongoing).
- Providing 12 technical training courses in the fields of water supply and sewage networks in Damascus and Aleppo, Client: UNDP, Syria (2019-2020).
- Water Hammer & WATERCAD Software training for Homs Water board Engineers in Homs City, Client: ICRC, Syria (2018)
- Conducting Professional Trainings for Local Water Boards' Staff – Borehole Camera Training, Client: ICRC, Syria (2019)
- Providing Theoretical and Practical Training Sessions for Solid Waste Management (SWM) in Post-Crises Syria, Client: UNDP, Syria, (2020).
- Environmental and Social Impact Assessment (ESIA) for the Expansion of the Existing Al Douh Cement Plant in Iraq, to be financed by IFC, (2022-ongoing).
- Preparation of Construction Environmental and Social Management Plan (CESMP) for the Basra Multipurpose Terminal in Iraq, to be financed by IFC, (2022).

- Forest Fire Damage Assessment, Recovery, and Management (Short and Medium Terms Action Plans) in Syria, UNDP. (2021).
- Environmental, Social and Health Impact Assessment for the activities of Aman Cement Company in Syria, (2020).
- Environmental, Social and Health Impact Assessment for the activities of Central Cement Company in Syria, (2019).
- Health, Safety and Environment (HSE) gap analysis and action plan study for the offshore petroleum sector in Lebanon client: UNDP, (2015).
- Strategic Environmental Assessment (SEA) for Exploration and Production Activities Offshore Lebanon. Client: Lebanese Petroleum Administration, 2018.
- Development of guidelines on mainstreaming biodiversity conservation in the EIA process for development projects affecting marine and coastal ecosystems, IUCN, MOE, Lebanon, (2019-2020)
- EIA for Iraq Export Pipeline Infrastructure Project (State Oil Projects Company – SCOP, Iraq) (August 2013 - 2015)
- Provision of Environmental and Social Impact Assessment for the 42 inch Missan Crude Oil Export Pipeline (MOEP) (Petrochina Company Limited, Iraq Branch)  
(Mar. '13 – June '13)
- Green Belt design and construction supervision in Lafarge site, Karbala, Iraq. (Feb. 2014 – June 2014).
- EBS for ESIA for Crude Oil Pipeline in Missan Oil Fields in the Republic of Iraq (Bureau Veritas)  
(Jan. '13 – May '13)
- Environmental and Social Impact Assessment for the New Nassiriya Refinery – Iraq, (State Company for Oil Projects)  
(August 11 – Nov' 12)
- Environmental Impact Assessment (EIA) for the Exploration and Production Activities of Petro Canada in Ash Shaer and Cherrife Development Areas, Palmyra, Syria
- Environmental Impact Assessment for Jihar 11 well Drilling, Hayan Petroleum Company, Homs, Syria  
(June 2011 – January 2012)
- Environmental Supervision for Al Bashaer-1 well drilling activities in Itheria field and Due Diligence Study, Loon Latakia Limited, Aleppo, Syria  
(April 2011 – October 2011)
- Environmental Impact Assessment for Al Bashaer-1 well drilling, Loon Energy Petroleum Company, Aleppo, Syria  
(January 2011 – May 2011)
- Environmental Supervision for Itheria-1 well drilling activities in Itheria field and Due Diligence Study, Loon Latakia Limited, Aleppo, Syria  
(January 2011 – May 2011)
- Environmental Impact Assessment for Itheria-1 well drilling, Loon Energy Petroleum Company, Aleppo, Syria  
(January 2009 – April 2011)

- Environmental Management Summary for Itheria-1 well drilling activities in Itheria field, Loon Latakia Limited, Aleppo, Syria  
(November 2010 – February 2011)
- Environmental Impact Assessment for Grassroots Oil Refinery Karbala, Iraq  
(February 2010 - March 2010)
- Environmental Impact Assessment for Manda-1 well Drilling and all Petro Canada previous activities in Block II, Al Hasakah, Syria  
(April 2010 – October 2010)
- Environmental Supervision for 3D seismic activities in Itheria field and Due Diligence Study, Loon Latakia Limited, Aleppo, Syria  
(January 2010 – October 2010)
- EIA for the Activities of Hayyan Petroleum Company Hayan Block Palmyra, Syria  
(April 2010 – December 2010)
- Environmental Impact Assessment for 3D seismic activities in Itheria field, Loon Energy Petroleum Company, Aleppo, Syria  
(January 2009 – October 2009)
- Environmental Impact Assessment for the basalt quarry of Lafarge Cement Syria Company Raqqa, Syria  
(April 2009 – November 2009)
- Environmental Impact Assessment and Environmental Baseline Study of Hayan Petroleum Company Homs, Syria  
(January 2009 – July 2009)
- Environmental Impact Assessment for 3D seismic activities. Petro-Canada Palmyra Homs, Syria  
(February 2009 – May 2009)
- Environmental Impact Assessment- Arab Gas Pipeline Phase II - IPA Energy Homs, Hama & Aleppo, Syria  
(April 2008 – May 2008)
- LAFARGE - ESIA study for the three components of the project: the cement factory, the power plant and the quarries  
(2009)  

The purpose of this project is to prepare an ESIA study for the three components of the project: the cement factory, the power plant and the quarries.
- Environmental Impact Assessment, EBS and soil sampling of SOYUZNEFTEGAZ E&P 12 IN. – Syria  
(July 2008 – Aug. 2009)
- Environmental Impact Assessment of Al Rajhy for cement. Homs – Syria  
(September 2008 – 2009)
- Environmental Impact Assessment of Assayal oil well" TatNeft Syria  
(June. 2008 – October. 2008)
- Environmental Impact Assessment of AlBadieah for Cement. Rural Damascus – Syria  
(June 2008 – October 2008)

- Project: Support to the adoption and implementation of the National Action Programme for Combating Desertification in Syria" is a UNDP/DDC fund Syria  
(December 2005 – February 2006)
- Project: Environmental Audit for A Tabayeh Gaz plant in Der Ezzour – Syria" Total& Conoco Syria For oil and Gaz Syria  
(September 2006 – October 2006)  
Responsibilities:
  - Coordinate and manage projects;
  - Review the quality of reports and other deliverables;
  - Provide technical assistance;
  - Communicate effectively with clients;

#### **4. Envirotech – Syria**

##### **Title: Project Coordinator/ Senior Consultant**

- Integrated Coastal Management Plan for Syria and Lebanon. SMAP/MEDA. (June 2003- Dec 2004)
- Coastal Water Resource Management Project. DHV- Ministry of Irrigation/ Syria. (May 2003- Oct. 2004)
- Environmental Impact Assessment for Tanak oil fields of AFPC in Dier Ezzor, Syria  
(June 2004 – Oct. 2004)

#### **5. GEF – UNDP**

##### **Title: Consultant**

- The Conservation and Sustainable use of Agrobiodiversity in dry areas project  
(Sep. 2003 – Apr. 2004)

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

##### **Title: Lecturer**

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

#### **7. DHV Consultants, the Netherlands (Dutch grant)**

##### **Title: Local Project Coordinator**

- **Coastal Water Resource Management Project**  
(June 2003 – Sep. 2004)

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

#### 8. Envirotech Ltd. (EU grant)

**Title: Senior Technical Manager**

- **Project: “Integrated Coastal Management Plan for Syria and Lebanon” SMAP/MEDA project Syria and Lebanon:**  
(2002 – 2004)

Integrated Coastal Management Plan for Syria and Lebanon SMAP/MEDA project:

- Introduce GIS as a decision-making tool for coastal planning;
- Promote 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.

#### 9. Ministry of Environmental and GEF & UNDP

**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 Syria  
(Apr. 2003 – Nov. 2003)

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

**Title: ACSAD's expert**

- **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 (Badiéh)
- 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)  
(1991 – 2002)

Responsibilities: Plant Taxonomy and Ecology

#### LANGUAGE SKILLS

	Reading	Speaking	Writing
English	4	4	4
French	2	3	2

<b>German</b>	3	3	3
<b>Arabic</b>	5	5	5

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

### **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 threatens of biodiversity in El-Badieh, National workshop of the project of Strategy and National workplan 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.

THERE ARE MORE THAN OTHER 20 LECTURES IN TRAINING COURSES, WORKSHOPS3 SEMINARS AND WEEKS OF SCIENCE ORGANIZED IN SYRIA, LEBANON, JORDAN, BAHRAIN AND MOROCCO.