

CURRICULUM VITAE

Proposed Position: Hydrogeologist and *GIS Mapping Specialist*

- 1 **Family name:** DJELLOULI
- 2 **First names:** Mohammed
- 3 **Date of birth:** 24/08/1978
- 4 **Nationality:** Algerian
- 5 **Civil Status :** Married
- 6 **Education:**

Institution (Date from - Date to)	Degree(s) or Diploma(s) obtained:
Saad Dahleb University Algeria (2006)	Master degree second year : (Hydrology, Hydrogeology and Water Quality)
Saad Dahleb University Algeria (2004)	Engineer Degree: (Geology and Hydrogeology)

7 **Language skills:** Indicate competence on a scale of 1 to 5 (1 - excellent; 5 - basic)

Language	Reading	Speaking	Writing
Arabic	Mother tongue		
English	1	1	1
French	1	1	1

8 **Membership of professional bodies:**

- **The International Association of Hydrogeologists - IAH / AIH**

9 **Other skills:**

- **Microsoft office desktop:** Excel, Word, PPT and Access
- **Groundwater Software:** AquiferTest Pro, HydroGeoanalyst HGA, FEFLOW F3, Visual MODFLOW, Pro, Aquachem, Surfer, Rockware Rockworks, Diver Office.
- **Groundwater Monitoring Software:** Diver-Office Premium, Diver-Office and Diver-Pocket.
- **Mapping and Cartography Software:** ArcGis Desktop including (ArcMap10, ArcInfo and ArcGis Server), MapInfo professional and vertical Mapper, Global Mapper.
- **Data Base:** HydroManager, Decision Point and Oracle.
- **Reservoir Engineer:** Petrel, Eclipse

10 **Present position:**

- **Expert Hydrogeologist and GIS specialist , GIZ/BGR - Federal Institute for Geosciences and Natural Resources, North Africa (Algeria, Tunisia and Morocco)**

11 **Years within the firm**

- 3 year

12 **Key Qualifications:**

- Excellent experiences with several clients in the kingdom of Saudi Arabia, Libya, Algeria, Tunisia and Qatar on geological field operations, logging interpretation and data Management
- Ground field surveys, drilling supervision, borehole logging, modeling and interpretation of all kinds of geological and hydrogeological data related to geological reservoirs
- Developed Web based GIS Application using ArcGIS Server and ESRI Silverlight API
- Developed Desktop based GIS Application using ArcGIS Engine Runtime and .Net
- GIS technical support: GIS Analysis (Spatial Analyst & Geostatistical Analyst), GIS Development using ArcObjects (.NET), GIS Scripting (Python)
- Developing Web based GIS Interface for Water Resources Data
- Developed Mapping Interface in HydroManager integrated with ArcGIS Server 9.3.
- Designed and Developed Data Entry & Browsing Interfaces.
- Designed and Developed printout Reports .
- His university background as geologist and Hydrogeologist and his technical experiences as field Geologist he can play a very important role to handle several technical issues, client's needs understanding all aspects of projects and a local technical support and training.
- Monitor all kinds of well site operations i.e. geological, drilling, Coring & wire line Logging operations
- Prepare mud logs, daily reports i.e. geological Morning, evening, weekly and FWR completion during drilling operations.
- Key player during the field operations in the monitoring of groundwater quality and levels and improves the management of this precious resource.

13 **Specific experience in the region:**

Country	Date from - Date to
Algeria	05/2003 – 11/2006
Tunisia	01/2013 – Present;
Libya	01/2007 – 03/2009;
Morocco	01/2013 – Present;
Kingdom of Saudi Arabia	04/2009 – 12/2012
Qatar and UAE	2010 – 2011

14 Professional experience:

Dates	Location	Company & ref. person (name & contact details)	Position	Description
From 06/2014 to 07/2015	Algeria, Tunisia and Morocco	Federal Institute for Geosciences and Natural Resources, North Africa (Mme Susanne Wahl T +213 (0)21 92 09 88/89 F +213 (0)21 92 09 90)	Expert Hydrogeologist and GIS specialist, GIZ/BGR	Working as an expert Hydrogeologist and GIS specialist for the regional corporation of water management in North Africa project, during this project I'm in charge of technical review previous hydrogeological and data collection, build a complete data application for water management in several sectors (domestic, Agricultures and Industrials using WEAP-Modflow software. Responsibilities: <ul style="list-style-type: none"> • Data Collection from different authorities • Data Collection from GPS & Importing into the central database after Data QA/QC • Designing the central database structure • Importing and combine Groundwater data for multiple databases in a Central Database • Customization of software (WEAP-Modflow) Data Management Software) • Generation of Thematic Maps for Groundwater Level & Chemical Parameters. • Programming in SQL Server to address different requirements of the Client's Staff. • GIS Analysis - generation of different Thematic GIS Maps • Generation of different Charts & Reports • Preparing GIS Maps and vector data (Shapfiles, DEM, Data location and re-projection operations, Preparing Isopach and hydrochemical maps.....) for the Groundwater surface water modeling of Mellègue basin using WEAP-Modflow.
From 03/2011 to 03/2013	Kingdom of Saudi Arabia	Schlumberger water services (Mr. Alpha Baro Head of Business Development Global Oil & Gas and Water Solutions ATOS Email : alphadbaro@yahoo.com)	Hydrogeologist and GIS specialist	<ul style="list-style-type: none"> ▪ Project geologist; in charge of geological and Hydrogeological field assessment, field geologist during drilling operation (cutting analysis and logging interpretations, online data acquisition and Monitor different drilling parameters. ▪ Installation and calibration of different Sensors ▪ Prepare Coring and packed them systematically. ▪ Prepare daily progress report. ▪ Lithological borehole logging and interpretation of drill cuttings and geophysical logs. ▪ Field supervision of aquifer tests and acquisition of data including the interpretation of aquifer tests using Aquifer Test Pro. ▪ Supervision well completion and installation. ▪ Installation of automatic data loggers (Divers) for real-time data acquisitions. ▪ GIS and cartography including digitizing of geological outcrops and structures, Geological maps Georeferencing, prepare Isopach Shapfiles for geological modeling, setup and printout all kind of geological maps (scale from A4 to A0). ▪ Contribution in technical report writing regarding groundwater resources.
From 04/2009 to 02/2011	Kingdom of Saudi Arabia	Schlumberger water services (Mr.Alpha Baro Head of Business Development	Hydrogeologist /GIS	<ul style="list-style-type: none"> ▪ Work as geologist with a team of 10 experts to setup a database application for integrated water resource management HydroManager my responsibility is reviewing geological, geophysical and hydrogeological data, with collaboration of Ministry of water and electricity (MOWE). it's a complete package for water resource data management including decision Point, ArcGis Server and ArcSDE.

		Global Oil & Gas and Water Solutions ATOS Email : alphadbaro@yahoo.com)		<ul style="list-style-type: none"> GIS mapping and cartography for monitoring project, Supervise several drilling operations and logging in Riyadh region (Wassia, Wajid and Salboukh wellfield), Makkah and Madinah.
From 12/2006 to 03/2009	Libya, Tunisia and Algeria	Schlumberger water services (Mr. Alpha Baro Head of Business Development Global Oil & Gas and Water Solutions ATOS Email : alphadbaro@yahoo.com)	Hydrogeologist Project Engineer	<ul style="list-style-type: none"> Build a data base application for integrated water resource management HydroManager for general water authority Libya, Ground water modeling of Sarir Aquifer (MODFLOW and MT3D) and Murzuk Aquifer (Groundwater Flow Finite Element using FEFLOW Software) Libya. Groundwater Monitoring Project Diver Pilot Project Tunisia Groundwater Monitoring Project: preparing the technical proposal, divers logger installation in Mitidja plain and installing 34 Divers (TD and CTD) in Mitidja Plain North Algeria with complete course sessions for client.
From 05/2003 to 11/2006	Algeria	National Agency for dams and water transfer (ANBT) Tel: +21321297745 or +21321297530 Fax: +21321299471	Hydrogeologist GIS specialist & cartography	<p>Duties:</p> <ul style="list-style-type: none"> Data Checking and Validation Dam bathymetry. Supervised elementary GIS work (Georeferencing, Digitizing etc) Working with planners, engineers, senior managers etc on their GIS needs like mapping & analysis. Using tools to join together different GIS datasets and create new information or investigate patterns. Utilizing standard GIS software, particularly ArcGIS and MapInfo. Working within a team and on customer sites as required. Developing and maintaining the structures necessary for GIS data storage. Interpreting and communicate technical data to non-technical colleagues and clients. Designing maps "Creating maps Template" Delivery of GIS data and printed maps as Required Supervising GIS work of Algerian Water Resource Atlas

15 Other relevant information

REFEREED PUBLICATIONS

- Mohammed Djellouli, *Hydrogeological study for saltwater source identification in Oued Nouamane Aquifer system*; The first seminar international of water resources University of Blida Algeria , Mai 2006.