



**GARBA Mahaman**  
**Mining/Petroleum Geologist Engineer**

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**Date and place of birth:** 24/05/1976 Maradi **Nationality:** Nigerien

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**Marital Status:** Married father of one child

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## **ACADEMIC BACKGROUND**

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### **1. M.SC degree** (Master in Petroleum Geology):

**Name of University:** Université de Tunis El Manar (Faculté des Sciences de Tunis)

**Town:** Tunis; **Country:** Tunisia

**Field of study:** Petroleum Geology; **Language of study:** French; **Length of study:** 2 years

**Main courses:** geology, geophysics; Well-loggings; geostatistics; basin modelling

**Degree obtained:** Master of Science; **Date of graduation:** July 2006

Aspects developed in the thesis:

- Analyzing and verification of the raw data collected from the site, and input these data in "Basin2" and "Petromod 1D" programming softwares.
- Reconstruction of the Hammamet Gulf Basin cross section; subsidence; pressure and compaction; thermal; source rock maturation and hydrocarbon genesis models.

Basin modeling is used by the world wide petroleum companies because this technique helps the management to make an important economy during the exploration and production campaign.

### **2. B.Eng degree** (Bachelor of Petroleum Engineering):

**Name of University:** Federal University of Technology (School of Engineering Technology)

**Town:** Owerri (Imo State) **Country:** Nigeria

**Field of study:** Petroleum Engineering; **Language of study:** English; **Length of study:** 5 years

**Main courses:** drilling, reservoir, production, well-logging, petroleum economy and management;

**Degree obtained:** Bachelor of Engineering **Date of graduation:** January 2003.

Aspects developed in the thesis:

- Collection of data from Shell Petroleum Company Nigeria Limited "Agbada" flow station Port-Harcourt (Nigeria).
- Estimations of petroleum reserve using: "declined curve analysis"; "volumetric" and "material balance" methods of reserve estimations.

These techniques help the management to take the decision whether it is necessary or not to continuous producing from this field.

### **3. Baccalaureat degree:**

**Name of school:** Lycee Issa Korombé de Niamey

**Town:** Niamey; **Country:** Niger; **Field of study:** high secondary school degree; **Language of study:** French; **Length of study:** 3 years; **Main courses:** Maths, Physics, chemistry, statistics; **Degree obtained:** Baccalaureat C; **Date of graduation:** July 1997.

### **4. Certificate in English language:**

**Name of school:** British Council Tunisia

**Town:** Tunis; **Country:** Tunisia; **Field of study:** International English Language Testing System (I.E.L.T.S); **Main courses:** listening, reading, writing and speaking; **Degree obtained:** Certificate; **Date:** December 2005.

### **5. Certificate in English language:**

**Name of school:** International Centre for English Studies

**Town:** Owerri; **Country:** Nigeria; **Field of study:** English Language; **Main courses:** vocabulary, grammar, phonetics, listening, reading, writing and speaking; **Degree obtained:** Certificate; **Date:** September 1998.

### **6. Language Proficiency:**

	Reading	Writing	Speaking
English	Good	Good	Good
French	Excellent	Excellent	Excellent

### **7. Certificate in Computer science:**

**Name of school:** Citi Computer College

**Town:** Owerri; **Country:** Nigeria; **Field of study:** Computer science; **Main courses:** MS office, BASIC programming language; **Degree obtained:** Certificate; **Date:** June 2002.

I'm very literates in computer applications, many advanced software and programming language: BASIN MOD; PETROMOD; SURFER, GEOVISTA; WELLCAD; SERMINE; MAPINFO ... which I learned during my professional activities (part of the professional background).

## **PROFESSIONAL BACKGROUND**

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- August 2008 to now: Chief Geologist Engineer at Goviex Niger S.A (Madaouela Zone-Arlit). I'm mainly in charge of the data base, cross sections interpretations, reserve estimations and report... Uranium exploration field.

- February 2007 to July 2008: Chief Geologist Engineer AREVA NC Niger (Imouraren Zone). I'm in charge of Well-logging, cuttings, cores, cross section, interpretations, data base, and report. .. Uranium exploration field.
- December 2006 to January 2007: Petroleum Engineer, Ministry of Mining and energy (Hydrocarbon Direction); "Agadem" petroleum field.
- October 2005 to November 2006: Research at School of Engineering of Tunis (ENIT) and Tunisian society of Petroleum Activities (ETAP) subject: Basins modelling and simulation applied to petroleum research; application with BASIN MOD and PETROMOD software, zone of interest Gulf of Hammamet (Tunisia).
- June 2005: Excursion on the tunisian petroleum geology; fractured reservoirs; sources rocks; sedimentology; sequences of strata.
- Janvier 2003 to Janvier 2004: Ministry of mining and energy; Hydrocarbon direction; petroleum exploration; geology; geophysics.
- July 2002: Training at Shell Petroleum Company Nigeria Limited: drilling; production; well-logging, geophysics...
- November – December 1999: Training at Ministry of mining and energy; Hydrocarbon direction; petroleum exploration; geology; geophysics.

During my professional careers (especially at AREVA NC and now at GOVIEX SA), I have developed some skills about the management:

- Responsible of the entire exploration site (workers and materials)
- Taking decision about many particulars problems which happens daily
- Check, approved and sign many receipt about the work done by ours drilling contractors so that they will be paid by the head accountancy office.
- Report on of all the above items weekly, monthly and yearly.

## **PUBLICATIONS**

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### Uranium:

I wrote many operation modes in the uranium exploration based on the following software: WELLCAD; MAPINFO; SERMINE.

- Operation mode in geological log creation with Well CAD; September 2007; 20 pages.
- Operation mode in geological cross section creation (multiple well) with Well CAD; November 2007; 8 pages.
- Operation mode in radiometric accumulation computed via Sermine; December 2007; 7 pages.
- Operation mode in variable computation via Sermine software;
- Operation mode in logging via geovista software; February 2008; 10 pages.
- Operation mode in "Passage WellCAD vers Sermine"; April 2009; 48 pages.

### Petroleum:

- Genesis and migration of hydrocarbons modelling: organic matter sedimentation; source rock; primary and secondary migration; January 2006; 59p.
- Palaeozoic's basin in Tunisia: sedimentary cycle and orogenesis; tectonic cycle; structural events and petroleum implications, April 2005; 15p.

- Petroleum system: hydrocarbon origin; deposit of environmental conditions and source rocks genesis of petroleum; maturation; genesis and hydrocarbon expulsion; Petroleum in Tunisia; March 2005; 88p.
- News methods of petroleum reserves estimations the volumetric, material balance, decline curve analysis and reservoir limit test; February 2005; 18p.

## **CONFERENCE ATTENDED**

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- “Exploring Deep Target & New Areas for More Reserves”; Entreprise Tunisienne d’Activités Pétrolières; “The tenth Tunisian Petroleum Exploration and Production Conference” (ETAP-EPC’ 2006) 30 October-3 November 2006. Paper presented: Basin modelling and simulation the case study of Hammamet Gulf Basin. Tunisia (North-western).
- “Carbonate Platforms Facies Models and Reservoirs” Faculty of sciences Tunisia. 2-3 May 2005.

## **OTHERS SKILLS**

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### **Some Candidate’s Strengths and Weaknesses:**

- Contribution for the development of the Agadem petroleum project (NIGER).
- Contribution for the development of the giant Imouraren uranium project AREVA NC (NIGER).
- Contribution for the development of the Madaoula uranium project GOVIEX URANIUM (NIGER).
- Very good skills in computer application.
- Good language skills: French and English.
  - Organise and conduct the training of trainers workshops at various levels (Engineers and Technicians).
- Winner of many awards: Areva NC Niger; Goviex Niger SA ; IDB’s EPA’2009....
- Highly motivated, organised, analytical skills
- Project management skills
- Finances skills
- Excellent presentational and written skills.
- Capacity of articulate written and oral communication skills with the ability to write quickly within deadlines.
- Good problem-solving skills
- Good understanding of the science and technology area.
- Active member (Executive Secretary) of “Association Nigerienne des Ingénieurs Pétroliers” (ANIP). (Arrêté n°0581/MI/SP/D/DGAPJ/DLP du 16 Décembre 2008 du Ministère de l’Intérieur, NIGER).
- Member of “Anciens étudiants du lycée Technique de Maradi, NIGER”.
- President of IDB Graduate Association (IGA), NIGER.

**REFREES**

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Name	Address	phone/e-mail
Dr. HENRI SANGUINETTI	FAusIMM, CP, Principal Melabar Geoconsulting 183 avenue du général leclerc 78220 viroflay France	33130240861 33607281205 0022796088790 sanguinetti.henri@orange.fr; hs@goviex.com
Pr. BOUHLILA RACHIDA	Ecole Nationale d'Ingénieurs Tunis (ENIT) Bp 37 Tunisie	0021698344119 bouhlila.rachida@enit.rnu.tn
Pr. HABIB BELAYOUNI	Faculté des sciences de Tunis, Univ. El Manar Bp 2092, Tunis Tunisie.	0021697891326 hbelayouni@planet.tn
Dr. JEDIDI AOUICHA	Université du sud à SFAX. Tunisie.	0021698934114 aouichalimayem@yahoo.fr