



# SENIOR GEOLOGIST: MAHMOUD ABUFATIMA

## Contact information:

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**Address:** Sudan Republic \_Red Sea State province \_Port Sudan City.

**Citizenship:** Sudan, **Military Service:** Finished

**Date of birth:** 21 January 1986.

## Career Summary and Objectives:

I'm holds a 2011 BSc.Hons. Degree in Geology from Red Sea University and is currently In the process of completing an MSc at Al Neelain University in Khartoum, focused on the Application Of Remote Sensing & GIS in Geology. I started my professional career in 2011 as geologist at the Water & Environmental Sanitation (WES) project in the Red Sea State. I joined Ariab Mining Company in 2013 as Exploration Geologist, where I was involved in La Mancha Resources' second round of Hadal Awatib VMS resource drilling and modelling, supervising RC and diamond drilling in the field, logging core, and assisting in the 3D geological and resource modelling. I also participated in various Hassai nearmine Exploration and resource drilling programs, as well as exploration of Shulai Project and block 18 in Red Sea Durdaib area I left Ariab at the end of 2016 and joined the DAL MINING INVESTMENT team in February 2017 as Field Geologist and has been involved in the prospecting efforts in the NS21 licence and a potential of industrial minerals in the red sea state (manganese, graphite, kyanite, wollastonite)

My skills include the expert use of GIS & remote sensing software and 3D resource modelling Packages, such as Surpac.

Aiming to developing my beloved country SUDAN through Mineral Exploration & Mining Domain.

## Work Experience:

### 1\_DAL MINING COMPANY \_ Khartoum, Sudan

Feb 2017 up to date\_ Field Geologist;

- Involvement in the prospecting of NS21 Exploration Licence (Halfa Terrane Northern state)
- Curried-out a number of prospecting field trips for gold and industrial minerals mainly at Nakasaib shear zone, Oko sear zone and Tokar & Haiya and Gabgaba terranes and kairaf sear zone.
- Kyanite Project management and drilling supervision, Red Sea state.

### 2\_ARIAB MINING COMPANY\_ Red Sea State (BLOCK 11& 18)

March 2013 to December 2016\_ Exploration Geologist;

- Supervision of RC & Diamond drill rigs operations for VMS and oxide SBR/Quartz deposits.
- Mapping , prospecting and target generation, Performing and planning drilling and geotechnical core logging
- Participated in Geochemical survey of Block18 and development of Shulai project for regional minerals exploration and geophysical-hydrogeological studies

### 3-Water and Environmental Sanitation (WES) Project, Red Sea State Port Sudan

- Geologist from February 2011 Up to August 2011.

## Education and qualifications:

### 1\_ MSc. In Application of Remote Sensing and GIS in Geology (2016\_2019):

- Alneelain University, Faculty of Petroleum and minerals, Department of Geology
- Dissertation submitted to the department of geology in partial fulfillment of requirement for the Master of Science degree in application of remote sensing and GIS in geology with the following subject: **Integrated remote sensing and GIS study of geological setting and gold mineralization potential of block NS21\_ Halfa Terrane, Northern state, Sudan.**(Note; required discussion and final approval)

### 2\_ Degree: B.Sc. honor Red sea University:

- Faculty of Earth Sciences (Geology), Grade: Very Good, Graduation year; January -2011

### **3\_ Diploma of English Language:**

- Teaching English as Foreign Language \_TEFL 2012, Sudan English Language institute \_ SELTI\_ Khartoum
- The International English Language Testing System (IELTS), British Council, December 2016.

### **4\_Training Programme:**

- Mineral Exploration and Practical Mineral Resource Estimation in Dar el salaam , Tanzania , at African Minerals and Geo-sciences Centre (AMGC) November 2018
- Surpac 6.4.1 Geo\_ database software (ARETHUSE geology In HASSAI mine) 3D\_ Model and best practices of drilling November 2014
- Geological mapping by ArcGIS \_ Petroleum center \_Ministry of petroleum \_Khartoum, May2014
- Diploma of Computer& Microsoft Office Programs (UNESCO) Institute \_Khartoum \_2012.

### **5\_Languages:**

English: Good; as a second a foreign language Arabic: Excellent; Mother Tongue

Bedawiet: Native; Local BEJA Language

### **Work skills:**

- Day-to-day management of exploration site, staff, and work programme
- Design and implementation and supervision of drilling, exploration plan, geotechnical core logging and cutting with monitoring sample preparation with QA/QC and assay.
- Target generations and daily to monthly and annual reporting
- Resource estimation, 3D geological modelling, validation, and classification for all stages of projects.
- Detailed to regional- scale GIS mapping, assist in decision-making process of getting new exploration licence or minerals exploration property.
- Satellite imagery & interpretation for mapping of regional structures, alteration zones and regolith with GIS products.
- Competent with exploration software; ( GEMCOM\_ Surpac 6.5.1, ArcMap 10.2, ENVI 5.3...etc)
- Familiar with NI-43-101 standards, CRISCO and SAMCODES.

### **Achievements:**

- Participated in discovery of more than ten exploration targets for development drilling programs in different\_ Geological facies mostly in Au\_ quartz deposits and Silica\_ barite rock associated with oxidation zone. And some occurrences of shallow copper deposits and other base metal occurrences, Detail geological mapping of DIM6 shear zone.
- Geological exploration of HAMASHRIBAB ophiolite complex (SW\_ extension of OSHIB complexes)

### **Interesting:**

- Safety and environment management system
- Social development responsibility

### **References:**

- Dr: Mohammed Abufatima; General Manager of the Geological Research Authority of Sudan (GRAS, Khartoum). E-mail: mabufatima@hotmail.com. Tel: 0912317032.
- Andre' TAHON; Exploration Manager, DAL MINING INVESTMENT, E-mail: andre.tahon@dalgroupp.com. Tel: 0912151449