



## Dr. BASHIR NWER

### Personal information

Name : Bashir Ahmad M Nwer  
 Date of Birth : 1<sup>st</sup> August 1971  
 Place of Birth : ALbiar – Benghazi  
 Marital Status : Married

### Personal Profile

I am an energetic, ambitious expert who has developed a professional and responsible approach to any task that I undertake, or situation that I am presented with. Participated in a range of soil survey studies and consultancy for FAO projects in Libya with interest in Food security issues. I am excellent in working with others to achieve a certain objective on time and with excellence.



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### Education

#### **Cranfield University, Bedford, England, U.K**

- PhD in Land Evaluation and Application of GIS and R.S in Land Use Planning.

#### **University of Tripoli, Tripoli, Libya**

- MSc in Soil Survey, classification and Land Evaluation.

#### **University of Omar Al-Mokhtar , Al-Beda, Libya**

- BSc in Soil and Water Sciences.

### Professional experience

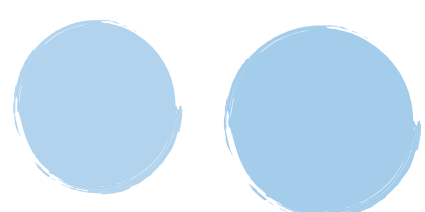
- **Associated Professor (December 2019–Up to Date)**
  - ✓ Teaching undergraduate and postgraduate (Soil Science, GIS, R.S)
  - ✓ Supervisor of a number of MSC candidate.
  - ✓ External and Internal Examiner for MSC candidates
  - ✓ Faculty of Agriculture (University of Tripoli)
- **Assistant Professor (March 2015 - December 2019)**
  - ✓ Teaching undergraduate and postgraduate (Soil Science, GIS, R.S)
  - ✓ Supervisor of a number of MSC candidate.
  - ✓ External and Internal Examiner for MSC candidates



- **Deputy Minister (March 2013 –March 2015)**  
Ministry of Agriculture, Animal production, and Marine Wealth
- **Lecturer (2011-2013)** Teaching undergraduate (Soil Science, GIS, R.S)
- **Vice Chairperson CRIC - UNCCD (2009 - 2011)** Bureau for The Committee for the Review of the Implementation (CRIC) of United Nation Convention to Combat Desertification
- Vice Chairperson and Rapporteur of CRIC 9, 12-21 February 2011 Bonn, Germany.
- Vice Chairperson and Rapporteur of CRIC 10, 16, -25 October 2011, Gyeongnam, South Korea.
- **Chairman (2007-2009) National Committee to Combat Desertification , Libya**
  - ✓ Overall Management of The National Committee to Combat Desertification.
  - ✓ Focal point of Libya in United Nation Convention to Combat Desertification (UNCCD);
  - ✓ Contribution to the Planning and implementations of National Action Plan to Combat Desertification.
  - ✓ Overall responsibility of monitoring land degradation in Libya.
- **Lecturer (1998-2000)**
  - Teaching undergraduate courses ( Soil Science, Soil Survey and GIS)
  - Soil and Water Dept. Faculty of Agriculture (University of Tripoli).

### Professional Activities

- Participation in a training workshop on the application of drone technologies in agriculture and water resources management, Addis Ababa - Ethiopia, November 26-30, 2023.
- Chairman of the First Conference on Digital Agriculture (2023), Faculty of Agriculture - University of Tripoli - Ministry of Higher Education.
- Member of the Scientific Committee for the Food Security Symposium (4), College of Agriculture - University of Tripoli - Ministry of Higher Education.
- Head of the Office of International Cooperation and Cultural Relations 2022 - history - Faculty of Agriculture - University of Tripoli - Ministry of Higher Education.
- Reviewer for several local and international Journals related to Agriculture and food security.
- Participation in the training workshop on the climate readiness





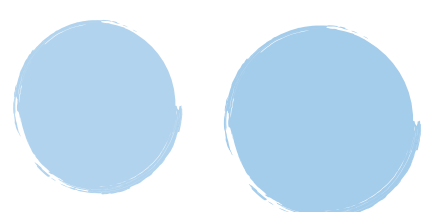
project in Libya under the title: Awareness and Mobilization of Actors on Climate Finance. (Tunisia 6/20-22/2019).

- Participation in the training workshop on the first climate preparedness project in Libya: training and building the capabilities of the national authority designated for financing the Green Fund for Climate Change. (Tunisia 12/24-26/2018).
- Participation in the meeting on the Codex and global food safety. (Norway - 2014)
- Vice Chairperson of The Committee for the Review of the Implementation Bureau (CRIC10) of United Nation Convention to Combat Desertification (UNCCD), Bureau meeting 16-25 October 2011, Gyeongnam, South Korea.
- Vice Chairperson of The Committee for the Review of the Implementation Bureau (CRIC9) of United Nation Convention to Combat Desertification (UNCCD), Bureau meeting 16- 25 February 2011, Bonn, Germany.
- Participation UNCCD regional meeting of affected country Parties of Africa in preparation for the ninth session of the Conference of the Parties (COP 9) 27 -31 June 2009, Tunis, Tunisia.
- Heading Libyan Delegate on the Seventh Session of Committee for The Review of The Implementation of The United Nation Convention to Combat Desertification (CRIC7), UNCCD, 3-14 November 2008, Istanbul, Turkey.
- Participation on Expert Consolation of Global Mechanism (UNCCD) "Land degradation, poverty, food security and Migration" 26-28 November 2007 Tripoli, Libya;
- Participation on the Eight Session of Conference of Parties (COP 8) and Sixth Session of The Implementation of The United Nation Convention to Combat Desertification, 3-12 September 2007, Madrid, Spain.
- Heading Libyan Delegate on Committee for The Review of The Implementation of The Convention, (CRIC 6) Sixth Session, 12-21 March 2007, Bones Aries Argentina.

## Publications

### Books

- Nwer, B., Dadhich, G., Mushtaq, F., Di Gregorio, A., Alkasi, A., Aboelsoud, H., Chenini, F., Mak, A., Henry, M. 2023. Libyan Land Cover Reference System. Rome, FAO. <https://doi.org/10.4060/cc7411en> (PDF) Libyan Land Cover Reference System. Available from: [https://www.researchgate.net/publication/374921786\\_Libyan\\_Land](https://www.researchgate.net/publication/374921786_Libyan_Land)



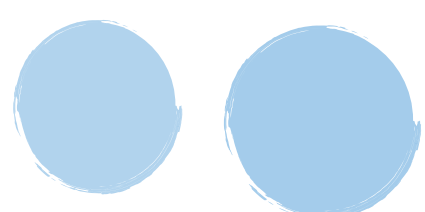


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- Elhwaj and Nwer (2015) Soil Survey and Land Evaluation, (Arabic Lang), Dar AL Moktar, Cairo, Egypt.
- JRC (2013) Soil Resources of Mediterranean and Caucasus Countries, Extension of the European Soil Database ( Chapter X) (Soil Resources in Libya). Joint Research Centre , Ispra, Milan,Italy.
- JRC (2013) Soil Atlas of Africa, ( Bashir Nwer Principal Author),European Soil Portal, European Union Commission, Ispra, Milan, Italy.
- Bashir Nwer (2011) The Application of Land Evaluation Technique in the north – of Libya LAP Academic Publication , Berlin ,

### Papers

- Gautam Dadhich; Hesham Aboelsoud; Matieu Henry; **Bashir Nwer**, Faycel Chenini. "2022 Land cover map of Fezzan, Libya" Monitoring, evaluation and rationalization of water use for Agriculture Sector in Libya (OSRO/LIB/002/ITA), Food and Agriculture Organization of United Nations, Rome, Italy. (PDF) 2022 Land cover map of Fezzan, Libya. Available from: [https://www.researchgate.net/publication/374921915\\_2022\\_Land\\_cover\\_map\\_of\\_Fezzan\\_Libya](https://www.researchgate.net/publication/374921915_2022_Land_cover_map_of_Fezzan_Libya) .
- **Nwer, B.A.**, Zurqani, H.A., Ali, A.S. (2021). Land Degradation and Desertification. In: Zurqani, H.A. (eds) The Soils of Libya. World Soils Book Series. Springer, Cham. [https://doi.org/10.1007/978-3-030-66368-1\\_8](https://doi.org/10.1007/978-3-030-66368-1_8)
- **Nwer, B.A.**, Ben Mahmoud, K.R., Zurqani, H.A., Elaalem, M.M. (2021). Major Limiting Factor Affecting Agricultural Use and Production. In: Zurqani, H.A. (eds) The Soils of Libya. World Soils Book Series. Springer, Cham. [https://doi.org/10.1007/978-3-030-66368-1\\_5](https://doi.org/10.1007/978-3-030-66368-1_5).
- **Nwer, B.A** (2020).The Use of Geographic Information System Soil Erosion Assessment in the North-East of Libya. The Libyan Journal of Agriculture Vol 25, No 1-2.
- **Nwer, B.A** (2014) " Techniques to Control Wind Erosion in Libya". Revue des Arides - Numéro Spécial- n° 36 (1/2015).
- **Nwer, B.A**; Zurqani, H , Rhoma, E (2013) "The Use of Remote Sensing and Geographic Information System for Soil Salinity Monitoring in Libya". GSTF JGES Vol.1 No.1.
- **Nwer, B.A**, Hamdi Zurgni and Khaled Jador (2013) "Soil Productivity Rating Index Model Using Geographic Information System in Libya" GeoTunis 2013, Tunis Tunisia.
- **Nwer, B.A** (2013) "Soil Salinity Mapping Model Developed Using RS and GIS in Libya" GeoTunis 2013, Tunis Tunisia.





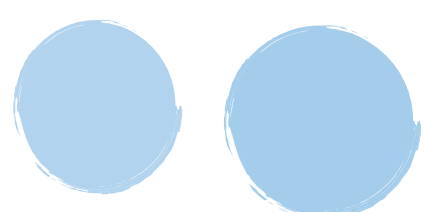
- H, Zurgani , **B, Nwer** and Rhoma, E; (2012) “Assessment of Spatial and Temporal Variations of Soil Salinity using Remote Sensing and Geographic Information System in Libya” GEOS 2012,. 3 - 4 December 2012, Singapore.
- **Nwer, B.A** (2012) “Land Suitability Model using Geographic Information Systems (GIS) for **Maize** and **Sorghum** in North East of Libya” GeoTunis 2012, Tunis Tunisia.
- **Nwer, B.A** and A Ali (2008) “Land Suitability Model using Geographic Information Systems (GIS) for **Wheat** in North East of Libya”. The First International Conference and Exhibition on Geofomation Technologies to Support Sustainable Development in Africa( GISDA 2008), Tripoli , Libya 5-7 April 2008.
- A Ali and **B, Nwer** (2008) “The use of Remote Sensing in Natural Resource Management in Libya”. The First International Conference and Exhibition on GeoInformation Technologies to Support Sustainable Development in Africa( GISDA 2008), Tripoli , Libya 5-7 April 2008.

### Technical Consultancy

- FAO National Consultant for FAO (2021) MarWat Project “Evaluation of irrigation, infrastructure crop mapping and estimation of agricultural water use in Libya”. (IagWat)OSRO/LIB/100/AFB;
- FAO National Consultant for FAO (2021) MarWat Project ““Monitoring, evaluation and rationalization of water use for agriculture sector in Libya” OSRO/LIB/002/ITA;
- FAO National Consultant for FAO (2010) (LIB/ 00/04: Mapping of Natural Resources for Agriculture Use and Planning in Libya: Land Utilization Types Survey Module within LRIMS, Libya).
- Feasibility Study for agriculture development to achieve food security in Sebha region (2008) for Sebha local Authority (Sebha, Libya).
- Soil Survey Study of Grarat Gtheof region, Libya (2007) for Great Manmade River Authority (GMMRA).
- Soil Survey Study of Jandopa region, Libya (1998) for Great Manmade River Authority (GMMRA).
- Soil Survey Study of Gthama region (1998) for Great Manmade River Authority (GMMRA).

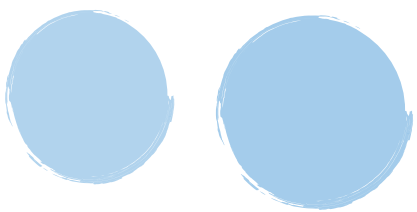
### Conferences and workshops

- Paper entitled: Libya’s efforts to achieve the sixth goal of the Sustainable Development Goals (2030) regarding water and sanitation - workshop “Water Security between Use and Production” workshop. National Council for Economic and Social Development - Tripoli - Libya December 28, 2023.





- Presentation entitled: MarWat-Libya Geospatial Platform for Monitoring Water Consumption and Productivity through Remote Sensing - Cairo Water Week Workshop on “Harnessing Open Access Data and Earth Observation Technologies to Address Water Scarcity: A Data-Driven Approach.” Food and Agriculture Organization (FAO), Cairo - Egypt, October 30, 2023.
- Presentation entitled: Presentation of the results of the two FAO projects in Libya and food security. National workshop on national policies regarding the final results of the MerWat and lagWat projects in Libya - Food and Agriculture Organization (FAO) Libya - Tripoli - Libya 16-18 October 2023.
- Presentation entitled: Climate financing and available alternatives to support mitigation and adaptation projects for climate change and food security in Libya. Food Security Symposium 4 under the slogan “Food Security in Light of Climate Change”, Faculty of Agriculture - University of Tripoli - Tripoli - Libya, October 14 - 15, 2023.
- Paper entitled: A proposal to develop the national reference system for land cover in Libya. National workshop on land cover and crop type mapping to support crop water productivity in Libya - Food and Agriculture Organization (FAO) Libya - Tripoli - Libya March 13, 2023.
- Presentation entitled: The developed methodology for assessing damage to irrigation infrastructure in Libya using remote sensing techniques and field surveys. The First Digital Agricultural Conference: “The Role of Soil, Water and Informatics Sciences in Achieving Sustainable Agriculture”, College of Agriculture - University of Tripoli - Tripoli - Libya 5 - 7 March 2023.
- Presentation entitled: The implementation approach for the project to monitor, evaluate and rationalize water consumption in agriculture and food security in Libya. National workshop on water resources management and the role of remote sensing in estimating agricultural water use in Libya - Tripoli - Libya January 25, 2023.
- Presentation entitled: Field work plans to implement two Food and Agriculture Organization (FAO) projects on estimating water consumption in Libya. National workshop on water resources management and the role of remote sensing in estimating agricultural water use in Libya - Tripoli - Libya 01 February 2022.
- A presentation entitled: (Climate financing and private sector opportunities to contribute to food security in Libya), Climate Readiness Workshop in Libya - under the Sahel and Sahara Observatory - 6/20/2019.





## References

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