

# **CURRICULUM VITAE**

## **Nagib Mohammed Froja**

Assistant Professor at soil and water department

Agriculture Faculty- Tripoli University- Tripoli-Libya

Email: N.froja@uot.edu.ly

## **Education**

Bachelor in soil and water specialized in water Sciences in 1987.

Master of Science in the same field of expertise in 2001, both from Tripoli University in Libya.

Ph.D. from Heriot Watt University. School of the Built Environment. Water resources department, Edinburgh UK.

## **Training courses in the last two years**

1. Training on Mobile Data Collection using KoBoToolBox, hosted by the Food and Agriculture Organization (FAO), 10-15 Sep 2022, Tripoli-Libya.
2. Training on Satellite Remote Sensing for Estimating Actual Evapotranspiration using FAO Water Productivity Open-access Portal (WaPOR), hosted by (FAO), 30.1.2023 to 2.2.2023, Tunis.
3. Land cover and crop-type mapping to support Crop Water Productivity in Libya, hosted by (FAO), 14-16 March 2023, Tripoli- Libya.

## **Research and publications**

1. GIS-based fuzzy logic assessment of land suitability for crop production in Libya. International Conference on Sustainable Water Resources Management and Climate Change Adaptation. India, 17.2.2011- 19.2.2011.
2. Climate Variability and Crop Production in Libya - North West Region. International conference on Geospatial Technologies – Libya 2, 6.12.2016- 9.12.2016.
3. Assessment of drinking water quality in Nalut city–Libya, Journal of Pure & Applied Sciences [www.Suj.sebhau.edu.ly](http://www.Suj.sebhau.edu.ly) ISSN 2521-9200. Published online 14/12/2018.
4. Temporal and spatial Analysis of Evapotranspiration in Libya, THE LIBYAN JOURNAL OF AGRICULTURE Volume (24), No. (2), 2019: 15 - 26.
5. Statistical and Spatial Analysis of Extreme Temperatures in Libya (1961- 2020). Sebha Univiresity Journal of Pure Applied Sciences, Vol.22. No 2, 2023.
6. A study of the general trend of rainfall in Nalut station, First Conference on Digital Agriculture in Libya, 5-7 March 2023. University of Tripoli, Libya.

7. The Impact of Climate Change on Rain-fed Agricultural Production in the Northwest of Libya. Food security symposium 4. 14- 15 October 2023. University of Tripoli, Libya.

**Scientific and research activities:**

1. Project of raising the efficiency of irrigation In Arab countries, Agricultural Ministry In cooperation with the Arab Center for the Studies of Arid Zones and Dry lands (ACSAD), 2015. (Ref. Dr. Ali Shaki, project coordinator. Email: [a.shaki@wau.edu.ly](mailto:a.shaki@wau.edu.ly)).
2. Holding a training course about the principles of using geographic information systems for engineers from various sectors of Nalut municipality, 5-8 Sep 2016.
3. Submit a proposal to the municipality of Nalut regarding the creation of a geographic information systems office in the municipality within the work of the committee for preparing the local development strategy for the municipality of Nalut, which was formed by the decision of the municipality's dean No. 24 of 2016.
4. Working with team in a project of survey all water sites in Nalut area, and these sites include: (private and public water wells, including very old wells, springs, ground and upper reservoirs, pumping stations, and desalination stations), and creating a map of these sites using Geographic information system, 2020.

5. Review the strategy of Agriculture faculty and develop its academic program at university of Tripoli, 16 Feb 2021.
6. Working with team in a project of Monitoring, evaluation and rationalization of water use for agriculture sector in Libya (MerWat), 2022-2023. (Ref: Dr. Bashir Nwer (FAO Expert). Email: [bashir.nwer@fao.org](mailto:bashir.nwer@fao.org)).
7. Member in Libyan Experts Consultations Organization (LECO) in department of climate change and environment.

### **Courses Taught**

Climate science, Principles of water science, Principles of soil science, Hydrology, Irrigation science, and Evapotranspiration for postgraduate students.

### **RESEARCH INTERESTS**

The impact of Climate change on agriculture and water resources, crop water requirements, Application of geographic information system on agriculture.