Curriculum Vitae

TAREK MOKHTAR EL ASWED

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EDUCATION

- Jan 2005- June 2009, PhD: - Geography department, School of Social Sciences, Dundee University, UK.
  Project Title: "Remote sensing the impact of Groundwater changes on Agricultural activities in the north-western Libya".
- Oct 1997 – July 1999, MSc in Remote Sensing, Image Processing and Applications, Department of Applied Physics and Electronic and Manufacturing Engineering, Dundee University, UK.
  Dissertation Title: - "Urban Change Detection based on a Supervised Classification Approach using Spot XS and Landsat TM Images".
- Sep 1986 – Oct 1989, B.Sc. Water Engineering department, Agriculture college, Al-Fatah University, Tripoli, Libya.
  Project Title: - Irrigation System designing

WORK EXPERIENCE

- Jan 2011- Current, Full-time job, Geography Department, Art college, Zawia University, Dec 2022 full professor.

- Oct 2017- July 2020, Head of International Cooperation Department, college of Arta, University of Zawia.

- Dec 2014- Nov 2017, Chairman of the society of Libyan Remote Sensing and Geographic Information System (LRSGIS).

- Sep 2012- Present, part time Cooperation with the Libyan Academy of postgraduate studies, as will as supervising postgraduate researches.

- Aug 2010- Dec 2010, **Head of aerial photography and mapping department** in Biruni Remote Sensing Center, Libya.

- Jan 2010- Jan 2011, Part time as a lecturer, Earth sources Department, Agriculture college, Al-Fatah university, Tripoli-Libya.

- Oct 2009- Dec 2010, Part time as a lecturer, Geography Department, Almrgbe University, Tarhona-Libya.

- Oct 2009- Aug 2010, **Head of marketing department** in Libyan Remote Sensing Center and Space Science, Scientific Research Authority-Libya.

- June 2008- June 2009, Part time job as a researcher assistant with a research group of Remote Sensing/Image Analysis, Environmental Science Division of Plant Sciences College of Life Sciences, University of Dundee.

- Mar 2005- May 2008, PhD student in Dundee university and lecturer assistant a demonstrating and teaching Level 1 Environmental Science (IT induction), and Level 2 Environmental Science (image processing using ERDAS).

- Oct 2006- Dec 2007 Demonstrator and teaching assistant as required in Hydrology Workshops in Level 1 Environmental Science.

- Oct 2006- Dec 2007, Demonstrator and teaching assistant as required in GIS module in Level 3 Environmental Science.

- Nov 1995– Jan 2005 Biruni Remote Sensing Center (BRSC), Tripoli, Libya. Tasks included image processing and remote sensing applications analyst. During these posts I have developed my skills in remote sensing, as well as the following computer skills: Microsoft Office facilities, CorelDraw Graphics, Paint Shop Pro Photo, Image processing packages (including ERDAS Imagine, ENVI and ER Mapper) and GIS (including Arc GIS) packages. From Oct 2002- Nov 2004 a director of Application remote sensing department.

- Feb 1992 - Sep 1995, Engineer with Agriculture Ministry, El Zawia –Libya. Task: Member of management staff. E.g., provide advises to farmers and run agriculture activities programs.

- Jan 1990- July 1991 Voluntary work "military service".

Consulting and projects

- May 2016 – May 2017 Collaborator consultant in the project implemented by the Libyan Water Public Authority entitled "Geological Assessment of water fountains in northwest Libya using remote sensing and geographic information systems."

- January 2002, Member of the Committee charged with the Libyan Party in the project of natural resource mapping for agricultural use and planning (Lib 00/004) under the supervision of FAO.

- June 2002, supervising the project on the study of vegetation and land classification in the Central Region / Sirte using remote sensing techniques (BRSC).

Training

- The 1st First International Researcher Development Week (Erasmus+ Partner Countries) organized by the university of Granada from 23rd to 27th July, 2018.

- Training course in the field of international project management (Project Cycle Management) (PCM) 2017 at the International Cooperation Office at Al-Zawia University.

- Problem analysis and decision making, 29th Jun 2003- 3th of July 2003. Tripoli-Libya.

- ▪ Space cartography course, by GDTA professional training in satellite imagery applications, 8th – 19th of April 2002. Ramonville St-Agne Cedex, France

- ▪ ER Mapper advanced training course, by the Earth Resource Mapping, 9th – 17th of December 2002. London, UK
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Memberships

- ▪ Member of the Scientific Committee of the Fifth Arab Ministerial Forum on Housing and Urban Development
- ▪ 2023 Member of the Libyan Permanent Committee for Risk Reduction
- ▪ 2021 Member of the UNIMED SubNetwork on Food&Water
- ▪ 2014 Chairman of the Management Committee of the Libyan Association for Remote Sensing and Geographic Information Systems.
- ▪ 2014 Member of the Council of Scientific in International Congress Geo Tunis.
- ▪ 2012 A member in Libya Geographic society.
- ▪ 2005 A member in United Kingdom Remote Sensing and Photgrammatry society.

Selected publications

1. Elaswed, M. T. (2023). The impact of climate changes on the external environment of buildings and architectural design in Libya. Journal of Libya for Geographical studies, ISSN 2789-4843 (4). www.lfgs.ly.
2. Elaswed, M. T. (2022). Accuracy Assessment of The Classified Landsat TM Satellite Imagery Data for Aried and Semiarid Areas. Journal of Libya for Geographical studies, ISSN 2789-4843 (3). www.lfgs.ly .
3. Ali Jarad1, Almokhtar Attwairi, Tarek Elaswed, Elhadi Elmghirbi (2022). The Role of The Southern Libyan Saharan Cities in Building Their Relations with Neighbouring Countires. Bulletin of the Serbian Geographical Society 2022, 102(1) 141-156, https://glasniksgd.rs/index.php/home/article/view/1313/pdf.

4. Elaswed, M. T. and Ameer Al-Makhnoush (2017). Study of Urban Expansion of Sabratha City using Remote Sensing Techniques from 1989 to 2015. International Conference on Geophysical Technologies - LibyaGeotech 3, Tripoli, Libya, 19-21 December 2017.

5. Elaswed, M. T. and Oune O. Analysis of the negative effects of the use of abandoned quarries as landfill on the coastal area from Almaya to Joddoium in Libya using remote sensing and geographic information systems. International Conference on Geospatial Technologies, (Libyageotec 2), 6-8 December 2016.

6. Elaswed, M. T. (2015). Comparison of Maximum Likelihood (ML) to Artificial Neural Network (ANN) for supervised Landcovr classification in arid and semiarid area. International Conference on Geospatial Technologies – Libya1, (Libyageotec 1), 6-9 December 2015.

7. Elaswed, M. T. (2013). The relationship between changes in the irrigated agriculture and the groundwater changes using remote sensing techniques in the north-west Libya. The 7th Edition of the International Congress Geo Tunis, 8-12 April 2013 Hammamet.

8. Elaswed, M. T. (2013). Geographic Information System application in Tourism Planning. *Geographer magazine, Libyan Geographic Society Journal, Tripoli – Libya*, pp. 172-194.

9. Elaswed, M. T. (2013). Landcover change detection using digital data of satellite images. Accepted *Geographer magazine, Libyan Geographic Society Journal, Tripoli – Libya*.

LANGUAGE / IT SKILLS

Language   Arabic   (Native)
                     English   (Fluent)

IT skills

Excellent knowledge with software computer such as: GIS packages & processing tools (Arc GIS and MapInfo), RS packages (ERDAS Imagine, ENVI and ER Mapper, PCI), others (Microsoft office facilities, CorelDraw Graphics, PaintShopPro, Photoshop).

REFERENCES AVAILABLE UPON REQUEST.