CURRICULUM VITAE

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1. PERSONAL INFORMATION

Name:	Dr. Yousif A. Mousa
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2. EDUCATION

Ph.D. in Geomatics Engineering (Photogrammetry and Remote Sensing)	2015 – 2020, Curtin University, Australia
Master's degree in surveying engineering	2007-2010, Baghdad University, Iraq
Bachelor's degree in surveying engineering	1996-2007, Baghdad University, Iraq.

3. ACADEMIC EXPERIENCES

- Lecturer in the College of Engineering, Al-Muthanna University, Iraq (2010- present)
- Casual academic/tutor at Curtin University, Australia (2016-2020)

4. NON-ACADEMIC EXPERIENCES

- Adjunct Research Fellow at Curtin University, Australia (2020-present)
- Head of Sawa Lake department, Al-Muthanna University, Iraq. (Feb/2022 to Feb/2023)
- Member of a research team (2021) specialized in studying Lake Sawa and monitoring the decline in its water level for the purpose of providing ways to protect it from drought.
- Research Assistant (2019-2020): The Curtin HIVE (Hub for the immersive visualization and eResearch). Curtin University, Bentley, WA
- Supervising GIS work of Urban planning of Muthanna Governorate. This work includes providing consultation for designing of the master urban expansion plan for the Muthanna/Samawah city (2010)

- Proficient with several software such as GIS, QGIG, Photo Scan, Context Capture and 3DM Analyst.
- Proficient programmer in MATLAB and Python.

5. SCIENTIFIC ACTIVITIES

Being a reviewer in the following journals:

- international journal of applied earth observation and geoinformation (Publisher: Elsevier BV, Netherlands)
- Remote Sensing of Environment (Publisher: Elsevier BV, Netherlands)
- Photogrammetric Engineering and Remote Sensing (American Society for Photogrammetry and Remote Sensing)

6. PUBLICATIONS

- Mousa, Y. A., Hasan, A. F., & Helmholz, P. (2022). Spatio-Temporal Analysis of Sawa Lake's Physical Parameters between (1985–2020) and Drought Investigations Using Landsat Imageries. Remote Sensing, 14(8), 1831.

- Mousa, Y. A., Bulatov, D., Abed, F. M., & Helmholz, P. (2021, October). DTM Extraction and building detection in DSMs having large holes. In Remote Sensing Technologies and Applications in Urban Environments VI (Vol. 11864, pp. 77-85). SPIE.

- Mousa, Y. A.-k. (2020). Building Footprint Extraction from LiDAR Data and Imagery Information, Curtin University. http://hdl.handle.net/20.500.11937/79920
- Helmholz, P., Mousa et al. (2020). "GEO-LOCATING HISTORICAL SURVEY DATA AND IMAGES – A CASE STUDY FOR THE CANNING RIVER, PERTH, WESTERN AUSTRALIA." Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci. **XLIII-B4-2020**: 575-582.
- Mousa, Y. A., Helmholz, P., Belton, D., & Bulatov, D. (2019). Building detection and regularisation using DSM and imagery information. The Photogrammetric Record, 34(165), 85-107. http://dx.doi.org/10.1111/phor.12275
- Mousa, Y. A., P. Helmholz, and D. Belton, "New dtm extraction approach from airborne images derived dsm," vol. 42, no. 1W1, 2017, pp. 75–82.