

CV

Personal Information

Name: Khaled Hazaymeh

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Current Occupation: Assistant professor - Department of Geography, Yarmouk University, Jordan

Current Research: - Remote Sensing (RS) and Geographical Information Systems (GIS),
- Environmental Modeling and Mapping, and
- Civil Applications of RS & GIS.

Education

- Doctor of Philosophy – Earth Observation - Department of Geomatics Engineering - University of Calgary - Canada – **2016**.
- Master of Remote Sensing and Geographic Information Systems – RS and GIS Unit- Faculty of Engineering, University Putra Malaysia – Malaysia – **2009**.
- Bachelor in Geography / Spatial Planning - Yarmouk University – Jordan - **2004**.

Research Experiences

Publications:

1. **Hazaymeh, K.**, Mosleh, M., Al-Rawabdeh, A., A combined PCA-SIs Classification Approach for Delineating Built-up Area from Remote Sensing Imagery. *Journal of Photogrammetry, Remote Sensing and Geoinformation Science*. **In Press**.
2. Almagbile, A., Zeitoun, M., **Hazaymeh, K.**, Sammour, H., Sababha, N., Statistical Analysis of Estimated and Observed Soil Moisture in Sub-humid Climate in Northwestern Jordan. *Environmental Monitoring and Assessment*. 191.2 (2019): 96.
3. Sababhah N., and Hazaymeh K., GIS and Remote Sensing-based Evaluation of Vegetation Diversity due to Topography in Semi-arid Environment. *Dirasat: Human and Social Sciences*. **In Press**.
4. **Hazaymeh, K.**, Zeitoun M. A., Al-Rawabdeh, A. and Sababha, N., A Regional Scale Photovoltaic Site Selection Based on Geospatial Techniques, *Jordan Journal of Environment and Earth Sciences*, 9(1), 47-65.
5. Alkharouf, R., **Hazaymeh, K.**, and Momani, M., Evaluating Current Situation of Civil Defense Services Using Geographical Information System Ajloun Governorate/Jordan –

- Case Study, Al-Manara for Research and Studies. *In Press* (Arabic Edition).
6. **Hazaymeh, K.**, and Hassan, Q.K. **2017**. Development of a remote sensing-based agricultural drought indicator and its implementation over semi-arid region, Jordan. *Journal of Arid Land*, 9, 319-330.
 7. **Hazaymeh, K.**, and Hassan, Q.K., **2016**. Remote sensing of agricultural drought monitoring: A state of art review. *Aims Environmental Science*, 3, pp. 604-630
 8. **Hazaymeh, K.**, and Hassan, Q.K. **2015**. Fusion of MODIS and Landsat-8 surface temperature images: A new approach. *Plos One*, 10, e0117755:1-e0117755:13.
 9. **Hazaymeh, K.**, and Hassan, Q.K. **2015**. Spatio-temporal image fusion model for enhancing temporal resolution of Landsat-8 surface reflectance images using MODIS images. *Journal of Applied Remote Sensing*, 9, 1-14.
 10. Mansor H., and **Hazaymeh, K.**, Spatial Analysis of the Civil Defense Centers in the City of Irbid Using GIS, *Yarmouk University Research Journal*, Jordan, (2011, Arabic Edition).
 11. **Hazaymeh, K.**, GIS for Public Transportation Planning, Published Master's Thesis, VDM Publishing House, **2010**.
 12. **Hazaymeh, K.**, GIS Based Safety Bus Stops – Serdang and Seri Kembangan Case Study, *Journal of Public Transportation*, 12, 2, **2009**.

Funded Projects:

- Geodesy and Geoinformatics for Sustainable Development in Jordan (GEO4D), funded by European Union's Erasmus+ Programme (on-going). <https://gidec.abe.kth.se/GEO4D/>
- Toward an Integrated E-government: Building Geographic Information System for Mo'ath Bin Jabal Municipality – Jordan, funded by Yarmouk University.

Conference Papers:

1. **Hazaymeh, K.** and Ali Almagble **2018**. A Comparative Analysis of Spatiotemporal Data Fusion Models for Landsat And MODIS Data. *Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci.*, XLII-3, 491-495.
2. **Hazaymeh, K.** **2017**. Spatial analysis of road accidents in Irbid city. The 8th Traffic Safety Conference, Amman, Jordan.
3. **Hazaymeh, K.** **2017**. The Role of Remote Sensing and GIS in Evaluating Renewable Energy Recourses, 8th Jordanian Scientific Research, Amman, Jordan.
4. **Hazaymeh, K.**, Hassan, Q.K., and Rahman, K.R. **2015**. Satellite-based Spatio-temporal

Data Fusion: Current Status and its Implications, Spatial Knowledge and Information –
Banff AB, Canada.

Membership and other Academic Activities:

- ***Reviewer for:***
 - *Journal of Applied Remote Sensing.*
 - *Plos One.*
 - *Renewable Energy*
 - *Remote Sensing*
- ***Membership***
 - International Society of Photogrammetry and Remote Sensing (Individual Member)
 - World Space Week Organization (National Coordinator for Jordan)
<http://www.worldspaceweek.org>