

# BASHAR F. MAAROOF

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## PERSONAL SUMMARY:

- Ph.D., Associate Professor, Geomorphologist and Digital Terrain Analyst, Babylon Center for Civilization and Historical Studies, University of Babylon, Hillah, Babil 51001, Iraq.

## EDUCATION:

- Ph.D., University of Kufa, Faculty of Education, Department of Geography, 2015, Physical Geography, (Geomorphology and Digital Terrain Analysis). **Thesis:** *(Land Forms of Wadi Abu -Hadair Basin in Al -Salman Desert Southwest of Iraq)*. <http://dx.doi.org/10.13140/RG.2.2.23265.15200>
- M.Sc., University of Babylon, Faculty of Education, Department of Geography, 2009, Geography and Environmental Studies. **Thesis:** *(The Influence of Human Activity in the Temporal and Local Variation of AL -Hillah River Water Pollution)*. <http://dx.doi.org/10.13140/RG.2.2.29451.75049>
- B.A., University of Babylon, Faculty of Education, Department of Geography, 2004, Geography.

## FACULTY POSITIONS:

- 2021 – Present, Associate Professor, University of Babylon, Babylon Center for Civilization and Historical Studies.
- 2010 – 2021, Assistant Professor, University of Misan, Department of Geography.

## Major Research Interests:

- Fluvial Geomorphology, Geomorphometry, Fluvial Processes, Rivers, Water Erosion, Watershed Modeling, Geomorphological Mapping, Geoecology, Digital Terrain Analysis, Geoinformatics (GIS).

## Courses Taught:

- Geomorphology.
- Climatology.
- Oceanography.
- Biogeography.
- Geography of Soil.
- Geography of Arid Zones.

- Geography of Natural Resources.
- Geography of Environment and Pollution.
- Geography of Iraq.
- Geographical Information Systems (GIS).
- Cartography.

### Publications:

- Bashar F. MaarooF, (2011), Spatial variation of water pollution in AL - Hillah River, *Misan Journal of Academic Studies*, (special issue).
- Bashar F. MaarooF, (2012), Spatial Analysis of Groundwater Pollution in Hillah City, *Misan Journal of Academic Studies*, Volume 11, No. (21).
- Bashar F. MaarooF, Raheem H. AL-Abdan, (2015), Tectonic Land Forms of Wadi - Abu Hadair basin in Al-Salman Desert, southern Iraq, *Journal of the Faculty of Education for Girls*, No. (17).
- Bashar F. MaarooF, Raheem H. AL-Abdan, (2015), Morphometric Analysis of the Characteristics of the River Network of Abu - Hadair Basin in Al-Salman Desert, Southwest Iraq, *Journal of Geographical Research*, No. (22).
- Bashar F. MaarooF, (2017), Slopes Morphology of Wadi Hasab Basin in Southern Desert of Iraq, *Misan Journal of Academic Studies*, Vol. 16, No. (32).
- Bashar F. MaarooF, (2017), Geomorphological Characteristics of the Eastern Region of the Tigris between Al-Shehabi and Hawayzah Marsh in southeastern Iraq, *Misan Research Journal*, Vol. (13), No. (26).
- Bashar F. MaarooF, (2017), Morphometric Analysis of the Characteristics of the Water Discharge Network of Wadi Al-Sharhani Basin, *Journal of Geographical Research*, No. (26).
- Bashar F. MaarooF, 2018, Shape Properties and Geomorphological Depths of the Shakak Valley, Eastern of Misan Province, Iraq, *Journal of Adab Al-Kufa*, Volume (2), Issue (35).
- Bashar F. MaarooF, Mohammed Arab Almusawi (2019), Geographical analysis of the ecotourism components of Al-Hammar marsh in southern Iraq, *Misan Journal of Academic Studies*, 18(37).
- Bashar F. MaarooF, Hashim H. Kareem (2020), Water erosion of the slopes of the Tayyar drainage basin in Muthanna desert, southern Iraq, *Indian Journal of Ecology*, 47(3).
- Bashar F. MaarooF, Raheem H. Al-Abdan, Hashim H. Kareem (2021), Geographical Assessment of Natural Resources at Abu – Hadair Drainage Basin in Al-Salman Desert, Southern Iraq, *Indian Journal of Ecology*, 48(3).
- Bashar F. MaarooF, (2022), GEOMORPHOMETRIC ASSESSMENT OF THE RIVER DRAINAGE NETWORK AT AL-SHAKAK BASIN (IRAQ), *Journal of the Geographical Institute "Jovan Cvijić" SASA*, 72(1). <http://dx.doi.org/10.2298/IJGI2201001M>
- Bashar F. MaarooF, (2022), Geomorphological Assessment Using Geoinformatics Applications of the Sloping System of Al-Ashaali Drainage Basin at Iraqi Southern Desert, *Iraqi National Journal of Earth Science*, 22(1). <http://dx.doi.org/10.33899/earth.2022.133146.1009>
- Bashar F. MaarooF, Hashim H. Kareem (2022), Geomorphometric Analysis of Al -Teeb River Meanders Between Al-Sharhani Basin and Al-Sanaf Marsh, Eastern of Misan Governorate, Iraq, *Misan Journal of Academic Studies*, 21(42). <http://dx.doi.org/10.54633/2333-021-042-033>
- Bashar F. MaarooF, (2022), Geomorphometric Assessment of the Terrain Characteristics of Al-Sharhani Drainage Basin, Eastern of Misan Governorate, Iraq, *Journal of Babylon Center for Humanities Studies*, 12(3), 39 – 62. [Iraqi Academic Scientific Journals - IASJ](http://dx.doi.org/10.33899/earth.2022.133146.1009)
- MaarooF, B. F., Omran, M. H., Al-Qaim, F. F., Salman, J. M., Hussain, B. N., Abdellatif, M., Carnacina, I., Al-Hasani, B., Jawad, M. R., & Hussein, W. A. (2023). ENVIRONMENTAL ASSESSMENT OF AL-

HILLAH RIVER POLLUTION AT BABIL GOVERNORATE (IRAQ). *Journal of the Geographical Institute "Jovan Cvijić" SASA*, 73(1), 1–16. <https://doi.org/10.2298/IJGI2301001M>

- Bashar F. Maarooof, Hashim H. Kareem, (2023), Geomorphological Analysis of Chemical Weathering Features in Al-Band Hills Area, Eastern of Misan Governorate, Iraq, *Iraqi National Journal of Earth Science*, 23(1). [Geomorphological Analysis of Chemical Weathering Features in Al-Band Hills Area, Eastern of Misan Governorate, Iraq \(mosuljournals.com\)](#)

### Articles in Progress:

- Bashar F. Maarooof, Mohammed A. Al-Musawi, Hashim H. Kareem, Raheem H. Al-Abdan, Hanan S. Obaid (2023), [Geographical Assessment of the Natural Environment at Al-Huwaizah Marsh, Eastern of Misan Governorate \(Iraq\), Misan Journal of Academic Studies.](#)
- Bashar F. Maarooof, [Quantitative Analysis Using Geospatial Modeling of Al-Rahimawi Watershed's Shape Properties in the Iraqi Southern Desert.](#)
- Bashar F. Maarooof, Hashim H. Kareem, Nadhir Al-Ansari, Raheem H. Al-Abdan, Jaffar H. Al-Zubaydi, Jaafar Jotheri, Varoujan K. Sissakian, Mohammed A. Al-Musawi, Mawada Abdellatif, Iacopo Carnacina, Ban AL- Hasani, Rayan G. Thannoun, Hussain M. Hussain, Manal Sh. Al-Kubaisi, [Geomorphological Perspective of Geodiversity: A Case Study of AL–Zubaidat Area, Eastern of Misan Governorate, Iraq.](#)

### Professional Development:

#### Conferences:

- The First Scientific Conference of the Faculty of Basic Education - University of Misan, 18-19 October 2010.
- The First International Scientific Conference of the Faculty of Education - University of Misan, 14-15 March 2018.
- The First International Conference of Creativity of the Faculty of Basic Education - University of Babylon, 28-29 November 2018.
- The Third International Scientific Conference of the Faculty of Basic Education - University of Misan, 29-30 April 2019.
- The Fourth International Scientific Conference of the Faculty of Basic Education - University of Misan, 15 April 2021.
- The second international conference, entitled (Heritage is an intellectual revolution and a cultural wealth), was held by the World Heritage Association, for the period 20-21 February 2022.

### Participation in scientific seminars:

- The scientific symposium entitled "Use of resources available in the development of the Iraqi environment", was held by the Department of Geographical Studies - Mustansiriya Center for Arab and International Studies, on 5/6/2015.
- The scientific symposium entitled (applications of terrestrial information systems in the Field of Pedological Studies), was established by the Center of Remote Sensing - University of Kufa, on 4/16/2018.
- The Scientific Symposium (Using Remote Sensing Techniques, RS and Geographic Information Systems GIS in Iraqi Soil Survey and Management), which was established by the Department of Soil Science and Water Resources at the Faculty of Agriculture, Baghdad University, on 4/17/2018.

- The symposium titled "Water Scarcity in Iraq and its Economic, Political and Environmental Dimensions and Ways of Addressing It", was established by the Department of Geography at the Faculty of Basic Education, University of Misan, on 3/25/2018.
- The scientific symposium entitled (Sustainable Human Development in Misan Governorate), was established by the Department of Geography in the Faculty of Basic Education - University of Misan, on 3/19/2019.
- Seminar on (Geographical Information Systems Applications in Urban Studies), held in the Department of Geography, Faculty of Basic Education, University of Misan, 3/26/2019.
- The scientific symposium tagged (effectiveness of remote evaluation in the applications of e-learning in light of the Corona pandemic), was held by the Department of Geography in the Faculty of Basic Education - University of Misan, on April 23/2020.
- The International Scientific Symposium on (Applications of Geomatics in Spatial Sciences), was held at the Faculty of Basic Education, University of Misan on June 25, 2021.
- The Scientific Symposium on (Geomatics Applications in Archaeological and Heritage Studies), was held at the Babylon Center for Civilization and Historical Studies, University of Babylon on November 9, 2021.
- The International Scientific Symposium on (Geoarchaeology of the Mesopotamian Plain), was held at the Babylon Center for Civilization and Historical Studies, University of Babylon on November 15, 2022.

#### **Participation in training courses:**

- Training course for teaching methods, which was established by the Faculty of Education - University of Misan on 1/22/2017.
- The training course (Use of Remote Sensing Techniques in Studying the Properties of Misan Marshes), which was established by the Faculty of Agriculture, University of Misan, on 2/28/2018.
- The training course (Environmental Pollution - Causes, Solutions, and Proposals), was established by the Faculty of Medicine - University of Misan, on 2/20/2018.
- The training course (Scientific Publishing Mechanisms in The International Journals), was held by the Faculty of Medicine - University of Misan, on 2/13/2018.
- Training Course (Using ArcGIS in Agricultural Mapping of Misan Governorate), held by the Faculty of Agriculture, University of Misan, 12/10/2018.
- Training course (How to send scientific research to a solid international journal), held by the Faculty of Science - University of Misan, on 3/5/2019.
- Training Course (Hydrological Applications of Geographic Information Systems - GIS), held by the Faculty of Basic Education - University of Misan, 5/21/2019.
- The training course tagged (Academic Writing and International Publishing), held by the Deanship of Scientific Research, King Khalid University, Saudi Arabia, on 10-11/6/2020.

***(Update: July 15, 2023)***