
Ferid DHAHRI

HDR & PhD

Tectonics, Structural and Applied Geology



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- Professor: Department Earth Sciences, Faculty of Sciences of Gafsa, Tunisia.
- Director of the Research Unit of Shared Services, Faculty of Sciences of Gafsa
- Lab Member: Geodynamics, Geo-digital and Geomaterials, Tunis-El Manar University.
- Member of The American Association of Petroleum Geologists Research Committee.
- Academic Expert in Methodology, Programming and Audit of vocational degree Training programs.
- Member of the national sectoral commissions (Tunisia) for engineering and vocational degrees.
- Head of the Earth Sciences Department 2017-2019 (Faculty of Sciences of Gafsa).



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Areas of Expertise & Qualification

- Structural geology and tectonics;
- Geodynamics: Surface and deep earth processes.
- Mining and Geo-Resources Engineering;
- Petroleum geology; Hydrogeology; Geohazards
- Earth and Environmental Sciences (general).
- Reviewer for many prestigious journals edited by: Springer, Elsevier, Taylor & Francis Group and others...
- Editorial Board Member for Advanced Geosciences Journal ISSN:2520-5978to and International Journal of Geosciences ISSN: 2156-8359

Employment Background

2021 –	Professor, Department of Earth Sciences, Faculty of Sciences of Gafsa
2019-2021	Professor, The Polytechnic High School of Nouakchott, Mauritania
2018-2019	Head of Department & Associate Professor: Department of Earth Sciences, Faculty of Sciences of Gafsa
2013-2016	Academic expert and Methodologists Training in vocational degree programming
2010-2016	Assistant Professor Department of Earth Sciences, Faculty of Sciences of Gafsa
2007-2010	Assistant of Higher Education Department of Earth Sciences, Faculty of Sciences of Gafsa.
2001-2006	Trainer, Courses and application of Digital Pedagogy, New Communications Technologies, PAO and DAO. The Regional Center of Continuing Education, El Omrane, Tunis. Ministry of Education, Tunisia.
2000-2007	Scientific Education Teacher Ministry of Education, Tunisia.

Publications in Referred Journals

1. **Dhahri F.**, Alashkham E., Sofe M. (2023): Opportunities and challenges for the Libyan geological resource's development: an overview. *Mineral Economics – Springer*.
 2. **Dhahri F.**, Boukadi N. (2017): Triassic salt sheets of Mezzouna, Central Tunisia: New comments on Late Cretaceous halokinesis and geodynamic evolution of the northern African margin. *Journal of African Earth Sciences – Elsevier*.
 3. **Dhahri F.**, Tanfous D., Gabtni H., Boukadi N. (2015): Structural and geodynamic study in central Tunisia using field and geophysical data: new structural interpretation of the N–S axis and associated Atlasic structures. *International Journal of Earth Sciences – Springer*.
 4. **Dhahri F.**, Benassi R., Mhamdi A., Zeyeni K., Boukad N. (2015): Structural and geomorphological controls of the present-day deformations in the Moulares phosphate mines (western-central Tunisia). *Bulletin of Engineering Geology and the Environment – Springer*.
 5. **Dhahri F.**, Boukadi N. (2010): The evolution of pre-existing structures during the tectonic inversion process of the Atlas chain of Tunisia. *Journal of African Earth Sciences – Elsevier*.
 6. **Dhahri F.**, Boukadi N. (2007): Differential thrusting and strike-slip faults in the Atlasic chain of Tunisia: Example of the Ousselet, Bou Dabbous, and Bou Hajar jebels. *C. R. Geoscience – Elsevier*.
 7. Gouasmia M., **Dhahri F.**, Azaiez H., Zidi M.K., Soussi M. (2023). Hydrogeological, geophysical, geochemical and statistical integrated techniques to assess a multilayered groundwater aquifer system in an arid region: the case of the Sbeitla aquifers in Central Tunisia. *Environmental Earth Sciences – Springer*.
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1. Tanfous D, **Dhahri F.**, Gabtni H., Saidi M., Soussi M. (2022). Modeling of the burial and thermal histories of Jurassic-Cretaceous total petroleum system, Southeastern Tunisia. *Journal of Iberian Geology*– Springer.
2. Gouasmia M., **Dhahri F.**, Mhamdi A., Salhi I., Gabtni H., Soussi M., (2021). Integrated hydrogeological study of a tectonically controlled aquifer system: The Rohia-Sbiba graben, Central Tunisia. *Journal of Earth System Science* – Springer.
3. Sebai N, Vendeville B, Boukadi N, **Dhahri F.** (2021): The Perched Synclines of Central Tunisia: An Example of Diapir Rise – Fall – Rise Illustrated by Field, Geophysical, and Experimental Data. *Journal of Structural Geology*–Elsevier.
4. **Dhahri F.**, (2017). From geology to Advanced Geosciences: specific strategies for critical challenges. *Adv Geo Sci* 2017, ISSN: 2520-5978.
5. Dhraief W., **Dhahri F.**, Chalwati I., Boukadi N., (2017): The structure and deposition delineation of the Gulf of Tunis area using subsurface data: Implication for petroleum exploration in northeastern Tunisia. *Geologica Carpathica*.
6. Tanfous D., **Dhahri F.**, Soussi M., Gabtni H., Azaiez H., Bedir M., (2017): The role of E-W basement faults in the Mesozoic geodynamic evolution of the Gafsa and Chotts intracratonic basin, south-central Tunisia. *Journal of Earth System Science* – Springer.
7. Amami Hamdi A, **Dhahri F.**, Ben Ismail–Lattrache K., (2016): Quantative analysis and paleoecology of Middle to Upper Eocene Ostracodes from Jebel Jebil, central Tunisia. *Revue de Micropaléontologie*.
8. Mhamdi A., **Dhahri F.**, Gouasmia M., Moumni L., Soussi M., (2015): Groundwater salinization survey of the Upper Cretaceous-Miocene Complexe Terminal aquifer in the Sabaa Biar area of southwestern Tunisia. *Journal of African Earth Sciences* – Elsevier.
9. Marco I., **Dhahri F.**, Hajji T., Boukadi N (2014): The Aptian-Albian transition in Central Tunisia: Tectonosedimentary and paleogeographic controls. *Journal of Earth Sciences* - Springer
10. Hajji T., **Dhahri F.**, Marco I., Boukadi N (2014): New insights on the tectonic and paleogeographic evolution of the central Atlasic domain of Tunisia. *Arabian Journal of Geosciences* – Springer
11. Hamed Y., **Dhahri F** (2013): Geochemical and isotopic composition of groundwater and meteoric water, with emphasis on sources of salinity, in the aquifer system in Northwest Tunisia. *Journal of African Earth Sciences* – Elsevier
12. Mhamdi A., **Dhahri F.**, Gouasmia M., Inoubli N., Soussi M., Ben Dhia H. (2011): Groundwater investigation in the southern part of Gabes using resistivity sounding, southern Tunisia. *Arabian Journal of Geosciences* - Springer
13. Amami Hamdi A, Ben Ismail–Lattrache K., **Dhahri F.**, Saïd–Benzarti R (2013): Middle to Upper Eocene ostracofauna of central Tunisia and Pelagian Shelf: examples of Jebel Bargou and the Gabes Gulf. *Arabian Journal of Geosciences* - Springer
14. Jomaa Salmouna D., Chaabani F., **Dhahri F.**, Mzoughi M, Bessaies H. (2014): New comments on the sedimentology, biostratigraphy and paleoenvironnement settings of Turonian–Coniacian series in Gafsa basin, central-southern Tunisia: The example of Berda and Chemsijebels. *Journal of African Earth Sciences* – Elsevier
15. Jomaa Salmouna D., Chaabani F., Aida Hamdi Amami, **Dhahri F.**, Mzoughi M, (2017): The Turonian and Coniacian Ostracods from Gafsa basin (central-southern Atlas of Tunisia) and the Gulf of Gabes (eastern coast of Tunisia): Biostratigraphy, systematics, palaeoecology and palaeobiogeography. *Revue de Micropaléontologie*–Elsevier.

16. Gouasmia M., Mhamdi A., **Dhahri F.**, Moumni L., Soussi M., (2018): Hydrogeological characterization of a carbonate aquifer using geophysical and geochemical approach: case of the Krachoua Formation in Tataouine area, Southern Tunisia. *Arabian Journal of Geosciences – Springer*.
17. Sebei A., Chaabani A., Babbou-Abdelmalek C., Helali M-A., **Dhahri F.**, Chaabani F., (2020): Evaluation of pollution by heavy metals of an abandoned Pb-Zn mine in northern Tunisia using sequential extraction and geostatistical mapping. *Environmental Science and Pollution Research – Springer*
18. Mhamdi A., Gouasmia M., **Dhahri F.**, Moumni L., Soussi M., (2021): Integrated geoelectrical and hydrogeological study in Garaat Sened area, west-central Tunisia. *Arabian Journal of Geosciences – Springer*.
19. Sellami S., Zeghouan O., **Dhahri F.**, Mechi L., Moussaoui Y., Kebabi B., Jodeh S., (2022): Assessment of heavy metal pollution in the soils in the region of Setif (Algeria). *Environmental Monitoring and Assessment– Springer*.
20. Gouasmia M., **Dhahri F.**, Mhamdi A., Zidi M-K, Soussi M., (Submitted): Hydrogeological study of the Miocene aquifers in Sbeitla (Central Tunisia) using geoelectrical, geochemical and statistical techniques. *Journal of African Earth Sciences – Elsevier*. **Dhahri F.**, Rabhi M. and Boukadi N. (2007): A Method for analyzing fracture systems: case of the Ypresian limestones of Jebil and Ousselet structures (Central Tunisia). *Note du Service Géologique de Tunisie, n°75, pp.5-12*.
21. Moussaoui E., Mhamdi A., Gouasmia M., **Dhahri F.**, Soussi M (2019): Contribution of Hydrochemical and Geoelectrical (ERT and VES) Approaches to Investigate salinization Process of Phreatic Aquifer and Climate Change Adaptation Strategy in Arid Area: Example of Garaat Douza and Its Proximities (Mediterranean Basin). Springer Nature Switzerland AG 2019, H. I. Chaminé et al. (eds.), *Advances in Sustainable and Environmental Hydrology, Hydrogeology, Hydrochemistry and Water Resources, Advances in Science, Technology & Innovation*, https://doi.org/10.1007/978-3-030-01572-5_46.
22. Gouasmia M., Mhamdi **A.**, **Dhahri F.**, Lahmadi M., Soussi M. (2020): Geophysical and hydrogeological investigation to study the aquifer potential of northern Gafsa basin (Central Tunisia). *Advances in Science, Technology & Innovation (ASTI)*. Springer. **Dhahri F.** (2020) : Le Bassin de Gafsa Géologie et intérêt économique. *Les Journées de Recherche en Sciences et Technologie (JouRSeT2020)*, FS-Gafsa 25-26 December, 2020.
23. Sebai N, Vendeville BC, Boukabi N, **Dhahri F** (2020): The Perched Synclines of Central Tunisia: An Example of Diapir Rise – Fall – Rise Illustrated by Field, Seismic, and Experimental Data. *AAPG International Conference & Exhibition, Salzburg, Austria*.
24. Gouasmia M, Mhamdi A, **Dhahri F**, Mohamed Soussi M. (2019): Hydrogeological and Hydrochemical characterization of Mejel Bel Abbes aquifer (west-central Tunisia). *2nd Conference of the Arabian Journal of Geosciences (CAJG)*, p172. 25 – 28 November 2019, TUNISIA.
25. Gouasmia M, Mhamdi A, **Dhahri F**, Mohamed Soussi M. (2019): Geoelectrical study of the Mides dam site (Southern Tunisia). *Advances in Science, Technology & Innovation (ASTI)*. *Research Developments in Geotechnics, Geo-Informatics and Remote Sensing*. Springer, 2019.
26. Mhamdi A, Ghaeib M, Gouasmia M, Nakai K, **Dhahri F**, Soussi M. (2020): Geoelectric study of the Plio-Quaternary groundwater in the Tfal area (southern Gafsa, southwestern Tunisia). *3rd Conference of the Arabian Journal of Geosciences (CAJG)*. 02-05 Novembre 2020 Sousse-Tunisia.

27. Jomaa-Salmouna D., Chaabani F., Hamdi Amami A., **Dhahri F.** (2016): The Turonian and Coniacian in Gafsa basin (central-southern Atlas of Tunisia) and the gulf of Gabes (eastern coast of Tunisia): integrated ostracod biostratigraphy of the Aleg formation. The International Symposium on Georesources and the Environment ISYGE-2016, Hammamet, 23-25 September 2016, Nabeul, Tunisia.
 28. Jomaa-Salmouna D., Chaabani F., **Dhahri F.**, Salmouna A., Mzoughi M. (2015): Lithostratigraphic analysis of the Turonian–Coniacian Bireno and Douleb carbonate Members in Gafsa basin, central-southern Atlas of Tunisia. 11^{ème} Édition des Journées de la Géologie Tunisienne, Gafsa, 21-24 janvier 2016, Tunisie.
 29. **Dhahri F.**, Benassi R, Zayeni K., Boukadi N. (2015): The present-day landslide of the Moulares phosphates mines (west-central Tunisia): Origin and evolution. 16th African Regional Conference on Soil Mechanics and Geotechnical Engineering, Tunisia, 27-30 April 2015
 30. **Dhahri F.** and Boukadi N. (2004): An integrated statistical study of the Ypresian limestone fractures, Central Tunisia; Impact on the oil prospecting: Case of Jebil and Ousselet jebels. The 9th Tunisian Petroleum Exploration and Production Conference. EPC'2004, ETAP, Tunisia.
 31. Messai M., Bazzi M., Jomaa-Salmouna D., Jemmeli N., Sebeï A., Sghaier D., Borgi M.A, Arfaoui A., Kear B.P., **Dhahri F.** (2020). Dinosaurs' fossils from Gafsa Basin: Facts and paleo-biogeographical implications. Les Journées de Recherche en Sciences et Technologie (JouRSeT2020), FS-Gafsa 25-26 December, 2020.
 32. Jomaa-Salmouna D., Salmouna A., **Dhahri F.**, Ben Chaabane N. (2020). Inter-regional correlation of the Turonian-Coniacian deposits of Tunisia and paleogeographic reconstruction of the Bireno and Douleb platforms. Les Journées de Recherche en Sciences et Technologie (JouRSeT2020), FS-Gafsa 25-26 December, 2020.
 33. **Dhahri F.** (2021): Libyan geological resources development: Opportunities and challenges. The First Scientific Conference for the College of Oil and Gas, Zawia University, 15–16 march 2021, Libya.
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