Walaeddine Maaoui

Contact

✉ Walaeddine.web.dev@gmail.com

📞 +21621308916

📍 Gabes Tunisia

Skills

Matlab, Artificial Intelligence, Artificial Neural Network, Inverse problem.

Language

Arabic ● ● ● ● ●

French ● ● ● ● ○

English ● ● ● ○ ○

Experience:

Publications:

May 2022: *Article:*
Walaeddine Maaoui, Ramzi Lazhar and Mustapha Najjari, Soil moisture retrieval model based on dielectric measurements and artificial neural network; Journal of Porous Media; Volume 25, Issue 8, 2022, pp. 19-33. DOI:10.1615/JPorMedia.2022041438.

2022: *Chapter:*
Ramzi Lazhar, Walaeddine Maaoui, Mustapha Najjari. Salt crystallization and desalination by combining wicking and evaporation of a NaCl solution in fired clay brick". accepted for publication as "book chapter" in the Proceedings of 3rd Conference of the Arabian Journal of Geosciences (CAJG-3) 2020 Springer, Germany. indexed in Scopus: Advances in Science, Technology & Innovation (ASTI)

Conferences:

December 2021: Walaeddine MAAOUI, Mustapha NAJJARI; Prediction of soil moisture content based on dielectric measurements and artificial neural network; RSEGP, DJERBA-Tunisia 17-19 DECEMBER 2021.

December 2021: Walaeddine Maaoui, Mustapha Najjari; Application of artificial neural network in the detection of soil moisture from dielectric measurements; M@RES21, Gabes Tunisia 10-11 December 2021

November 2020: Walaeddine Maaoui, Ramzi Lazhar, Mustapha Najjari; Dissolution and efflorescence of salts in porous media. 3RD CONFERENCE OF THE ARABIAN JOURNAL OF GEOSCIENCES (CAJG); ONLINE 2–5 NOVEMBER 2020.

November 2020: Ramzi LAZHAR, Walaeddine MAAOUI, Mustapha NAJJARI; Salt crystallization and desalination by combining wicking and evaporation of a NaCl solution in fired clay brick. 3RD CONFERENCE OF THE ARABIAN JOURNAL OF GEOSCIENCES (CAJG); ONLINE 2–5 NOVEMBER 2020.

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Academic Background

➢ **Faculty of Sciences Gabes, Physics Department:**

- 2021-2022: 3rd year PhD in Physics
- 2020-2021: 2nd year PhD in Physics
- 2019-2020: 1st year PhD in Physics

✓ **Master of Science Degree in Physics of Materials and Nanomaterials**

- 2018-2019: M2 in Physics of materials and nanomaterials (S1 Average: 12.26 Research Memory Average: 16.5)
- 2017-2018: M1 in Physics of materials and nanomaterials. (Average 10.57)

✓ **Bachelor of Science Degree in Physics**
✓

- 2016-2017: L3 in Physics (Average 10.51)
- 2015-2016: L2 in Physics (Average 11.06))

➢ **ISSAT Gabes, preparatory cycle for engineering studies**

- 2013-2015: Entrance exam to engineering schools (Failed)
- 2012-2013: 1st year math-physics (Average 11.61)

➢ **Baccalaureate**

✓ **High-School Diploma in Mathematics**

- 2011-2012: Mathematical Baccalaureate (Average 13.88)