



Walaeddine Maaoui

Experience

May 2022: Article: Soil Moisture Retrieval Model Based on Dielectric Measurements and Artificial Neural Network.

February 2019 – December 2019:

Research Master internship at the Research Laboratory "Processes, Energetics, Environment & Electrical Systems (PEESE)" National Engineering School of Gabes ENIG «Theoretical and experimental study of an inverse problem for the estimation of a heat exchange coefficient: case of an industrial heat exchanger».

Education

➤ 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

- 2011-2012: Mathematical Baccalaureate (Average 13.88)

Contact

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📍 Gabes Tunisie

Skills

- **MATLAB language:** Development of an inverse method algorithm (Levenberg Marquardt) applied on the model of Kern and Seaton.
- **MATLAB Neural Network Toolbox:** Used to model the evolution of fouling in heat exchangers.

Language

Arab	●	●	●	●	●
French	●	●	●	●	●
English	●	●	●	●	●