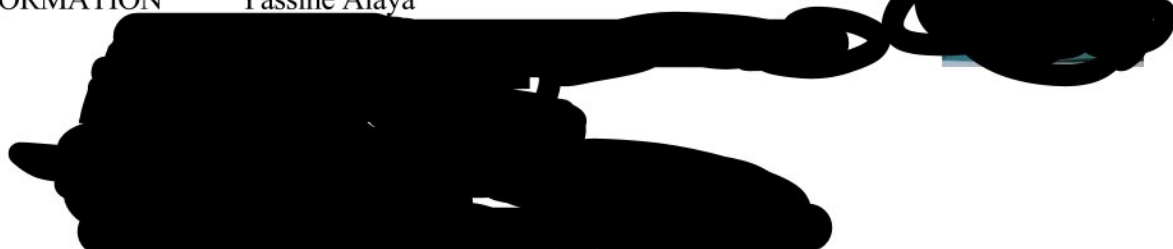




PERSONAL INFORMATION Yassine Alaya



EDUCATION AND TRAINING

2020–2024 PhD: Physics of Material and Nanomaterial
Faculty of Science of Gabes, Gabes (Tunisia)

2018–2020 Master of Research in Physics of Materials and Nanomaterials
Faculty of Sciences of Gabes, Gabes (Tunisia)

2014–2018 Bachelor's degree in Physics
Faculty of Sciences, Gabes (Tunisia)

Jun 2014–Present Baccalaureate
Ghannouch High School, Gabes (Tunisia)

Conference

- Symposium on Energetic Systems and Materials (SESM) "Photoconductive application of sprayed TiO₂ thin films"
- Y. Alaya, R. Souissi, M. Toumi, M. Madani, N. Bouguila, L. El Mir, S. Alaya
- International Conference on Smart Materials and Spectroscopy (SMS'2022) "Influence of annealing temperature on the properties of TiO₂ films deposited by spray pyrolysis"
- Y. Alaya, N. Bouguila, L. El Mir, S. Alaya
- 3rd International Congress on Energetic and Environmental Systems (IEES-2023) "Photoconductive application of sprayed TiS₂ thin films"
- Y. Alaya, N. Bouguila, L. El Mir, S. Alaya

Publications

1/ Y. Alaya, R. Souissi, M. Toumi, M. Madani, L. El Mir, N. Bouguila and S. Alaya, Annealing effect on the physical properties of TiO₂ thin films deposited by spray pyrolysis, RSC Adv.,2023,13,21852; "DOI:10.1039/D3RA02387G"

2/ Y. Alaya, B. Chouchene, G. Medjahdi, L. Balan, N. Bouguila, and R. Schneider, Heterostructured S-TiO₂/g-C₃N₄ Photocatalysts with High Visible Light Photocatalytic Activity, Catalysts 2024, 14, 226 "doi.org/10.3390/catal14040226".

3/ ·Alaya, Y.; Madani, M.; Bouguila, N.; El Mir, L.; Fazio, E.; Corsaro, C.; Neri, G. Conductometric H₂S Sensors Based on TiO₂ Nanoparticles. Materials 2024 "doi.org/10.3390/ma17133283".

Job-related skills

- Physics education..
- Training: Writing an article, English.
- Elaboration of nanoporous by the sol-gel method.
- Elaboration of thin layers by spray pyrolysis, Dip-Coating and Spin-Coating...
- Use the Autoclave machine.
- Use the UV-Vis-NIR spectroscopy machine.
- Use the impedance spectroscopy machine.
- Use the gas sensor machine.

Internship 2 months in:

- Laboratoire Réactions et Génie des Procédés (LRGP) (UMR 7274), Nancy, France
- Université de Messine, Département d'ingénierie, SensorLab, Italie

Digital skills

- Word
- Excel
- PowerPoint
- Origin
- Matlab
- HighScore
- FullProf.
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Other skills

- Creative writing (Arab), reading.
- Sport activity: Swimming, walking sport.
- Shopping.