

CURRICULUM VITAE

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Educational Profile:

- 2017-2020: PhD in Matière, Molécules, Matériaux – Chimie Organique, Synthèse de matériaux moléculaires pour la conception de cellules solaires Photoélectrocatalytiques , Université de Nantes, France.
- 2016-2017: Master in Chimie Organique, Bourse d'Excellence LabEx CHARMMMAT, Université Paris-Saclay, France.
- October 2016 : Admitted to Concours de Doctorat, Chimie Organique : Synthèse et évaluation biologique de nouvelles molécules, Université Mentouri1, Constantine, Algeria (But withdrawal in favor of Master and PhD in France).
- 2014-2016: Master in Chimie Organique – Molécules Bioactives, Université Mentouri1, Constantine, Algeria.
- 2011-2014: License in Chimie Organique, Université Mentouri1, Constantine, Algeria.

List of Journal Publications

1. **Yousra Bentounsi**, Konstantinos Seintis, Stéphane Diring, Eric Vauthey, Fabrice Odobel. "Click chemistry on NiO photocathode to postfunctionalize a diketopyrrolopyrrole sensitizer by Naphthalene diimide electron acceptor", ACS Applied Energy Materials, 3 Mar 2021, 4 (3), p. 2629-2636. DOI : 10.1021/acsaem.0c03200
2. **Yousra Bentounsi**, Konstantinos Seintis, Dorine Ameline, Stéphane Diring, David Provost, Errol Blart, Yann Pellegrin, Damien Cossement, Eric Vauthey, Fabrice Odobel. "Chemistry on the electrodes: postfunctionalization and stability enhancement of anchored dyes on mesoporous metal oxide photoelectrode micellar cells with copper-free Huisgen cycloaddition reaction", J. Mater. Chem. A, 2020, 8 (25), p. 12633-12640. DOI : 10.1039/D0TA04982D

List of Conference Papers

1. **Yousra Bentounsi**, Konstantinos Seintis, Stéphane Diring, Eric Vauthey, Fabrice Odobel. "Click Chemistry Post-functionalization of Mesoporous Diketopyrrolopyrrole Dye-Sensitized TiO₂/NiO Electrode: Toward New Hybrid Multicomponent Materials for Highly Efficient Photoelectrochemical Solar Cells". Proceedings of the 1st International

Conference on Advanced Renewable Energy Systems (ICARES'22), 18-20 Dec 2022, CDER- UDES Tipaza, Algeria, Springer Nature Singapore, 2024, p.595-602. ISBN: 9789819927777.

2. Fabrice Odobel, **Yusra Bentounsi**, Ruwen Wang, Stéphane Diring, Marc Robert, "Development of photoelectrochemical devices for photovoltaic and artificial photosynthesis", Troisième congrès national Sciences et Technologies des systèmes pi-conjugués (SPIC), 7-11 Oct 2019, Arras, France.
3. **Yusra Bentounsi**, Errol Blart, Yann Pellegrin, Stéphane Diring, Fabrice Odobel, "Stability enhancement of anchored dyes on mesoporous metal oxide electrodes upon crosslinking for photoelectrochemical devices", The 47th IUPAC World Chemistry Congress, under the theme: Frontiers in Chemistry: Let's create our future! 100 years with IUPAC, July-2019, Paris, France.
4. **Yusra Bentounsi**, Errol Blart, Yann Pellegrin, Stéphane Diring, Fabrice Odobel, "Post functionalization of the surface of mesoporous metal oxides by click chemistry for the design of photoelectrochemical solar cells", JED3M 2019 – Au cœur de la matière, June-2019, Nantes, France.
5. **Yusra Bentounsi**, Errol Blart, Yann Pellegrin, Stéphane Diring, Fabrice Odobel, "Click chemistry functionalization of mesoporous metal oxide surfaces: New hybrid multicomponent systems for active photoelectrochemical catalytic devices", Journée scientifique du RFI LUMOMAT, Oct-2018, Angers, France.
6. **Yusra Bentounsi**, Chloée Bournaud, Martial Toffano, Giang Vo-Thanh. "Direct Activation of Morita Baylis Hillman adduct for access to complex structures by relay multicatalysis", La 5^{ème} journée scientifique CHARMMAT, June-2017, Ecole Polytechnique, Paris, France.