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## Zr-based metal-organic frameworks for biomass valorization

### Researchers:

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Language Undefined

### Description:

Proyecto asignado a través de la [Red Española de Supercomputación](#) [2].

While fossil fuels deplete, the use of biomass as renewable resources of carbon atoms becomes a promising solution to develop a sustainable industry. Bridging the gap between homogeneous and heterogeneous catalysis, this project will study metal-organic frameworks based on zirconia nodes to catalyze the valorization of biomass-derived feedstocks into high-value chemicals and fuels. Understanding the reaction mechanisms at atomic level of detail will help to guide future experiments.

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**Source URL:** <https://web.computaex.es/en/proyectos/zr-based-metal-organic-frameworks-biomass-valorization>

### Links

[1] <http://www.iciq.org/> [2] <https://www.res.es/>