



### **Carolina Fernández Saiz**

Graduated in Chemistry from Universitat Jaume I (Castellón) in 2020.

Master's degree of Applied and Pharmacological Chemistry, specialist on Advanced Materials, from Universitat Jaume I in 2021.

Predoctoral Grant Holder at the Applied Physics Department of the University of Valencia (SPAIN) since 2021.

Her first work was focused on the pyrochlore luminescent nano-pigments, but during her master she specialized in the sensitization of perovskite quantum dots with lanthanides for optoelectronic applications.

Currently she is Predoctoral Grant Holder, pursuing his PhD in material science as a member of the Crystal Growth and Characterization Group (CreCYCSem) at Applied Physics Department of the University of Valencia since 2021, under the research program PROMETEO/2021/066. His current work is focused on the growth and characterization of II-VI oxides thin films ( $\text{Ga}_2\text{O}_3$  and  $\text{In}_2\text{O}_3$ ) by using different growth techniques like spray pyrolysis and mist-CVD for thin films growth and the different techniques necessary for its basic characterization SEM, TEM, HRXRD and optical measurements.

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