

## **MANUEL BARTOLOMÉ DÍAZ**

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**MANUEL BARTOLOMÉ** is a PhD student in the department of Analytical Chemistry and Food Technology at the University of Castilla-La Mancha (Spain) since October 2020.

He received his **Bachelor of Chemical Sciences** from the University of Castilla-La Mancha (2015-2019). He got his **Master's degree** in Chemistry Research (2019-2020).

In October 2020, he began his PhD, supported by a **predoctoral grant** (Contratos del Plan Propio de Investigación, cofinanciados por el Fondo de Desarrollo Regional (Feder)). The research topic was "ANALYTICAL NANOMETROLOGY APPLIED TO THE RESOLUTION OF PROBLEMS IN THE FOOD FIELD".

Since 2018 he has been working at **Analytical Chemistry and Food Technology Department** due to the obtention of **four research grants** supported by different organizations (IRICA, Spanish Ministry of Education and University of Castilla La-Mancha).

He is co-author of the **scientific poster** called "Metal nanoparticles as plasmonic sensors" presented in the "**VIII PhD conferences**" (University of Castilla La-Mancha, 2018).

He presented his work entitled "Plasmonic nanosensing based on AuNPs for UV-Vis/ colorimetric assessment of global aminoacids amount in food supplements" in **the Young Science Symposium** (University of Castilla La-Mancha, 2020).

In the last years, he has been working in the development of a colorimetric sensor based on LSPR band exhibit by AuNPs for the determination of aminoacids global amount in nutritional supplements.

Actually, he is working in the development of a voltametric sensor based on SPCE electrodes modified with  $\gamma$ -Cyclodextrin functionalized Graphene Quantum Dots (GQDs-  $\gamma$ CDs) for the determination of fluoroquinolones global amount in food matrixes.