

**MARWA LOULEB KMALI**

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**MARWA LOULEB KMALI** is a PhD student in the department of Analytical Chemistry and Food Technology at the University of Castilla-La Mancha (Spain) and Department of Chemistry at University of Tunis El Manar (Tunisia) since 2018, the year that she was signed a thesis co-supervised between Tunisia and Spain.

She received her **Degree in Applied License in Chemistry** from the University of Tunis in 2014 and her **Master's Degree** in Chemical Research in 2016 and 2017 respectively.

She did three internships in Tunisia within the **ADWYA** pharmaceutical industry (Marsa), at the **blood bank at Habib Bourguiba Hospital** (Medenine) and at the **Institute of Arid Regions** (Medenine).

Her thesis is focused on the innovation in analytical methodologies using nanomaterials in the bio-analytical field.

In 2020, she published an article named **“An Experimental and Density Functional Theory Study of the Interaction of Dopamine with N-Doped Carbon Dots: Application to its Detection in Human Fluids”**

Her second research work is about the detection and separation of biological markers of oxidative stress in bird plasma and blood cells samples from owl by capillary electrophoresis (**CE**) and their extraction with the solid phase (**SPE**) and her latest work is about the detection of porphyrins in owl feathers using **LC-MS**.

She participated with an oral communication at an international conference **"Tunisia Chemistry Conference"** (Hammamet, Tunisia) and an oral communication and poster presentation at **"Young Science Simposium"** (Ciudad Real, Spain).