# Internship Offer: Extraction of natural components - Polysaccharides and bioactive compounds.

**Duration:**
**Location:** Green Team - UMR SQPOV - Avignon Université, Avignon, France
**Level:** Master’s degree (M2)
**Field:** Chemistry, Biochemistry, Biotechnology, Food Science, or related disciplines

**Project:**

We are seeking a motivated intern to join an ongoing PhD project focused on **optimizing the extraction of natural components from a plant cultivated in North Africa**. This plant shows a rich and unique composition (proteins, lipids, polysaccharides, and phytochemicals) that could serve as a valuable resource for the **food, cosmetic, and pharmaceutical industries**.

The goal of this internship is to extract and characterize natural **polysaccharides** for their texturizing and rheological properties, and **bioactive compounds** for their potential health benefits. The work will contribute to the sustainable exploitation of plant-based materials and the development of new natural ingredients.

**Key Responsibilities:**

* Participate in the preparation and extraction of natural components from plant materials using conventional and green extraction methods.
* Optimize extraction parameters and evaluate yield and purity.
* Conduct analytical characterization of extracts ( mostly rheology).
* Record, interpret, and present experimental data: draft regular progress reports.
* Maintain good laboratory practices, including safety and waste management.

**Skills:**

* Master’s student in Chemistry, Biochemistry, Biotechnology, Food Science, or a related field.
* Knowledge of extraction techniques.
* Experience in laboratory work and data analysis.
* Good organizational, writing, and teamwork skills.
* Motivation to learn and contribute to an interdisciplinary research environment.
* English reading and writing skills (French is a plus but not mandatory).

This internship offers a unique opportunity to develop technical and scientific skills while contributing to a project of industrial significance. Please contact us by sending a CV and cover letter.

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We look forward to receiving your applications!