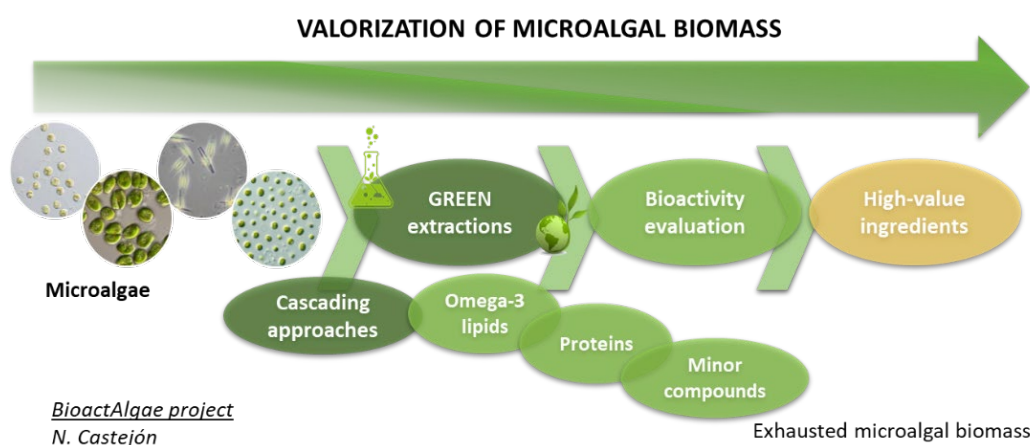


Master Thesis

Department of Food Chemistry and Toxicology

Eco-friendly extraction and identification of bioactive compounds from microalgae

Microalgae have recently gained interest as an alternative and sustainable source of bioactive compounds. To extract the broad spectrum of bioactives and to promote the complete valorization of microalgal biomass, novel methods based on sequential extractions are needed. In this sense, the BioactAlgae project is developing multi-step extraction approaches to produce numerous fractions from a unique raw material.



We are looking for a motivated student aiming to perform a MSc thesis working on the development of eco-friendly approaches to extract minor compounds (carotenoids and chlorophylls) and on the advanced characterization of the produced extracts.

Requirements:

- ✓ Bachelor in Chemistry or comparable
- ✓ Good oral and written communication skills in English
- ✓ Interest in analytical and food chemistry

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Starting Date: as soon as possible