

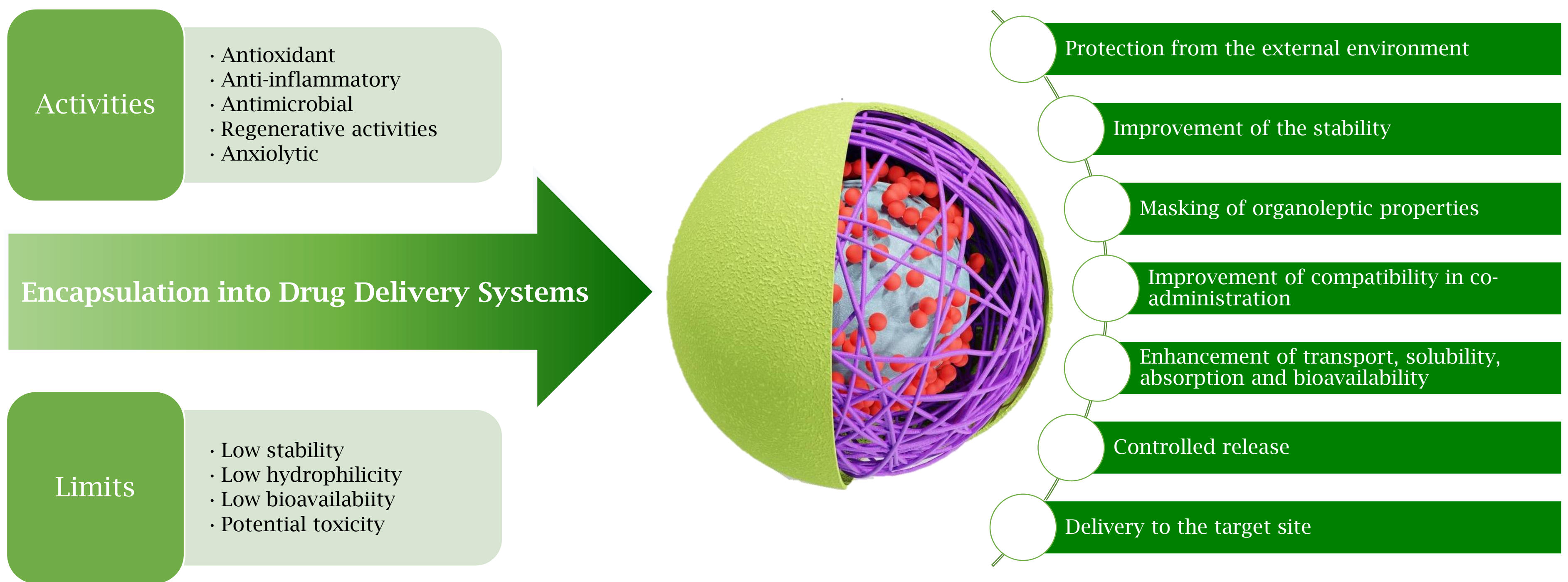
# NUTRACEUTICALS: NEW FRONTIER FOR DRUG DELIVERY APPLICATION

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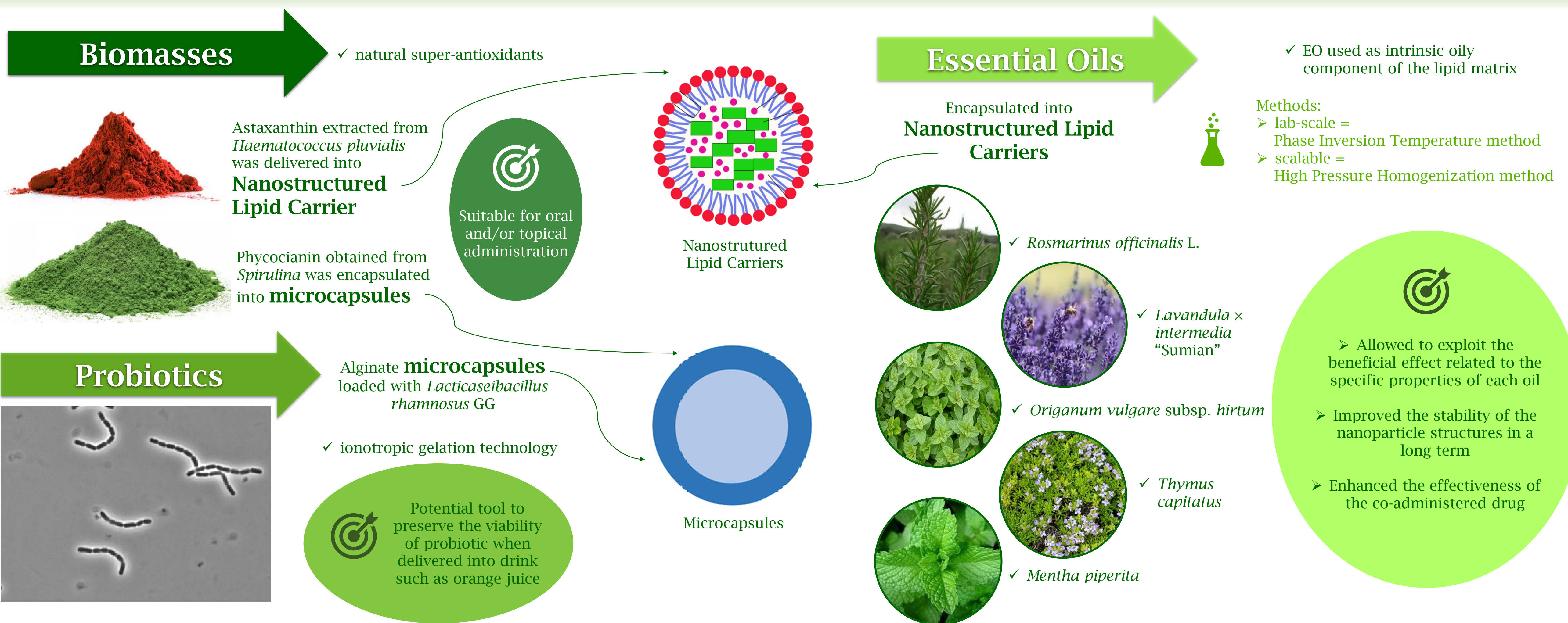
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## Projects of our research team



## Experimental tools

## Drug Delivery Systems Development

### Preformulative studies



➢ Design of Experiments

### Physical-chemical characterization



- PCS analysis
- pH and Osmolarity
- DSC and FT-IR analysis
- Stability studies (Turbiscan and climatic chamber)
- UV-Vis-HPLC



### In vitro studies



- Drug release studies: Franz-cells
- Preliminary Mucoadhesion studies



References:  
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[3] C. Carbone, C. Caddeo, M.A. Grimaudo, D.E. Manno, A. Serra, T. Musumeci. Nanomaterials (Basel). 2020, 10(5), 898.  
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