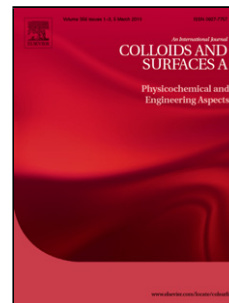


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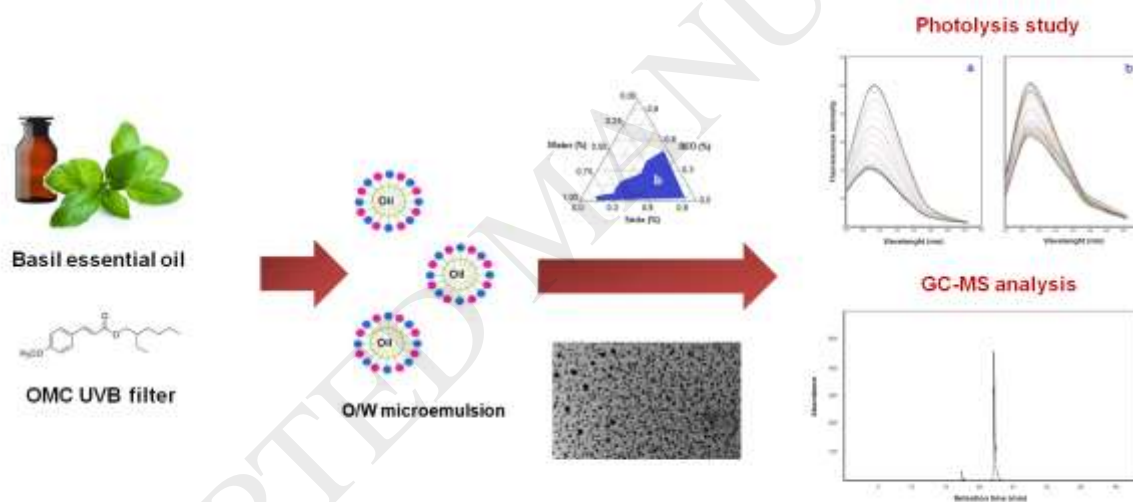
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Octyl p-methoxycinnamate loaded microemulsion based on *Ocimum basilicum* essential oil. Characterization and analytical studies for potential cosmetic applications

Verónica Volpe, Danielle Silva Nascimento, Matías Insausti, Marcos Grünhut*

INQUISUR (UNS-CONICET), Department of Chemistry, Universidad Nacional del Sur,
1253 Alem Avenue, B8000CPB, Bahía Blanca, Argentina

GRAPHICAL ABSTRACT



Abstract

A O/W microemulsion based on biocompatible materials was designed for a potential topical use as UVB filter, antiinflammatory and mosquito repellent. Octyl-p-methoxy cinnamate (OMC) is one of the most widely used sunscreen compounds. Nevertheless, their efficiency as UV filter is affected by irradiation because a photolysis process occurs. *Ocimum basilicum* essential oil is utilized in traditional medicine and as repellent

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