

LABORATORY OF PHYTOCHEMISTRY (LAPHY)*Università degli Studi di Perugia (UNIPG)***Pesquisadores:** Maria Carla Marcotullio, Claudia Zadra**Contato do grupo:** mariacarla.marcotullio@unipg.it**Área:** Ciências da Vida**Linhas de Pesquisa:** Preparation of plant extracts using traditional and innovative techniques and solvents; Preparation and analysis of essential oils; Isolation and structure determination of terpenes**Breve descrição das atividades de pesquisa**

We are interested in the preparation of plant extracts using traditional methodologies (maceration, Soxhlet) and common organic solvents and in comparing results with new methodologies (Naviglio (rapid solid-liquid dynamic extraction), Microwaves and Ultrasounds Assisted Extraction) and exploring NADES (Natural Deep Eutectic Solvents) as new ecofriendly extracting solvents. We are also involved in studying NADES influence on the preparation of essential oils.

Impacto das pesquisas desenvolvidas para a sociedade e ciência

LAPHY researches are carried out in cooperation with different research groups from University of Perugia and others Italian Universities and with Mexican researchers from University of Sonora. LAPHY is particularly interested in studying neglected plants and commercial important crops.