

GROUP NAME: PHYTO-PHARM: BIOACTIVE PLANT SUBSTANCES AND THE PHARMACEUTICAL SCIENCES

CODE: B44_23R



Ever since 2020, Phyto-Pharm has been recognized by the Government of Aragon as a Benchmark Reference Group (*Grupo de investigación de referencia*). Based at the Universidad San Jorge (USJ) in Zaragoza, Phyto-Pharm is a multidisciplinary group made up of pharmacists, veterinarians, biologists, nutritionists, chemists, and biochemists. The group conducts studies on the subjects of bioactivity and/or toxicity of active principles, extracts, and matrices stemming from plants or foods in different models (*in vitro* and *in vivo*). Another significant area of study is the quality of individualized prescription medication. The group's main objective is the investigation of bioactive components of natural origin with potential pharmaceutical, cosmetic, and agrifood applications, and to develop and compose medicinal drugs and other products of therapeutical interest.

LINES OF RESEARCH

- Natural anti-oxidants, polyphenols, and bioactive compounds that offer protection against oxidative stress
- Pharmacology of natural products. The search for active principles of therapeutical interest: components with anti-diabetic, anti-obesity, anti-inflammatory, and neuroprotective activity.
- Observational and consumer studies related to medication/drugs, hygiene products, and food supplements
- Ensuring the Quality of Individualized Medicine

NOTABLE PROJECTS

- APPLIEDIV: A multidisciplinary focus to achieve the exploitation of the genetic diversity of local autochthonous apple trees: recovery of subproducts to obtain bioactive compounds. Ministerio de Ciencia e Innovación (convocatoria RETOS-Investigación 2022): 2023 - 31/05/2027
- MINNAGAN: Enhancing skills and competences of the local actors for sustainable development of plant-based remedies and phytomedicines in Benin (Convocatoria Erasmus 2022): 2024-2026

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