

GROUP NAME: THE EFFECT OF FOOD PROCESSING TECHNOLOGY ON DIGESTIVE AND ALLERGIC DISORDERS (ALIPAT)

CODE: A20_23R



LINES OF RESEARCH

- Evaluation of the impact of technologically treated milk proteins and fractions on human health and gut microbiota: potentials for their application in functional foods.
- Characterization of postbiotic components derived from fermented milk fractions: potential applications for digestive health and as antimicrobials.
- Study and analysis of factors involved and treatments to combat chronic inflammatory intestinal pathologies, analyzing immune receptors in a series of inflammation models as well as in affected patients.
- Evaluation of the effects of natural plant components on physio-pathological paths implied in digestive disorders in processes of inflammation.
- Evaluation of anticancer properties of organometallic compounds and carbon nanotube-based compounds for use in colon cancer drug design.
- Study of allergies caused by pollen and by food proteins

NOTABLE PROJECTS

- “Application of new processing technologies for milk subproducts with the aim of obtaining bioactive fractions capable of improving intestinal health”. PID2022-139104OB-I00. Ministerio de Ciencia e Innovación. Proyectos de Generación de Conocimiento. 2023-2026.
- “GO-LACTOVALOR: “Innovations in the valorization of whey as a raw material”. GOP-2023-0008-02. Grupos operativos de la Asociación Europea para la Innovación (AEI), Plan Estratégico Nacional de la PAC. 2023-2026.
- “Canine idiopathic epilepsy: cognitive-behavioral alterations, genetic basis, biomarkers and involvement of the intestinal microbiota in its development”. LMP134_21. Gobierno de Aragón. R+D+i projects in priority lines and of a multidisciplinary nature. 2021-2023.
- “Valorizing industrial wastewater for the production of biological hydrogen (H₂bio)”. PR-H2CVAL4-C1-2022-0049. Ministerio para la Transición Ecológica y el Reto Demográfico. Programas de incentivos a la cadena de valor innovadora y de conocimiento del hidrógeno renovable. 2023-2026.

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