The PhD thesis **“Products of biological interest with biomedical implications separated by membrane processes”** represents par excellence, an applied activity, combined with fundamental research activity.

The doctoral thesis is part of the broad topic "Obtaining biological products with applications in biotherapy using immunologically active fractions" which provided both the general research framework and the technical-scientific arguments for the development of publications and patent applications.

The first chapter "Membranes and membrane processes" is a study with reference to recent information on methods of obtaining, characterizing and applying membrane processes.

The second chapter "Characterization and obtaining of selective composite membranes applied in processes of separation of biological compounds" in the experimental part section presents two of the representative results of the research from the doctoral research stage.

Chapter 3.1. "Separation of nitrophenols from liquid membranes with magnetic properties" means liquid membranes supported by microporous polypropylene fibers based on n-octanol and n-decanol containing magnetic iron nanoparticles and doped with silver recovered by electrolysis for transport of and m-nitrophenols, chemical species with recognized toxic potential.

Chapter 3.2. "Separation of amino acids by cellulosic-polypropylene-derived composite membranes" refers to the transport of biological chemical species of interest (amino acids) for separation and / or concentration by composite membranes.