

BIOACTIVE NATURAL PRODUCT - BNP*Universidade do Vale do Itajaí (UNIVALI)*

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Área: Ciências Exatas

Linhas de Pesquisa: Quality Control of Natural Products; Isolation and Identification of Compounds from Natural Sources

Breve descrição das atividades de pesquisa

Our priority line of research aims to study adapted or native plant species of the Brazilian flora, especially Santa Catarina, with emphasis on chemical constitution and biological activity. The compounds are isolated through chromatographic methods and tested in different experimental models. The main projects under development focus on biological activities such as antibacterial, analgesic, antiulcerogenic, diuretic, anticancer, among others. Most of these results have been published in specialized journals and have contributed significantly to the training of human resources in addition to the maintenance of our infrastructure.

Impacto das pesquisas desenvolvidas para a sociedade e ciência

When the Pharmacy course was implemented, the curriculum was created to allow the student to acquire, among other qualifications, a researcher profile. In this regard, this group was born with the aim of developing research related to the area of natural products in the search for bioactive molecules through chromatographic and spectroscopic techniques. In these years of activity, the Bioactive Natural Products group has accumulated an excellent scientific production, with articles published in indexed national and international journals, course conclusion works, master's theses and doctoral theses. This has allowed for agreements with other institutions, which has made possible several works in collaboration and exchange with researchers from Brazil and other country. Currently, the group focuses its activities on the phytochemical investigation of different species adapted to the flora of Santa Catarina, as well as their biological properties in different experimental models in vivo and in vitro.