

LABORATORY OF APPLIED MICROBIOLOGY RESEARCH*University of Vale do Itajaí (UNIVALI)*

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Área: Ciências da Vida

Linhas de Pesquisa: Antimicrobial activity (antibacterial, antifungal, antiparasitic)

Breve descrição das atividades de pesquisa

Research Laboratory in Applied Microbiology (LPMA), is part of the research group "Biological Evaluation of Natural and Synthetic Products" that emerged from the Nucleus of Chemical-Pharmaceutical Investigations (NIQFAR) in 1995. It is dedicated to the investigation of antimicrobial activity on pathogens of medical importance. The works developed by researchers and students at LPMA cover lines of research that include: Action of extracts, isolated or synthetic compounds on bacterial, fungal and parasite activity; Mode of action on the microbial cell; Antibiofilm activity; Association antimicrobial effect (synergism, antagonism, indifference); Potential for toxicity. In addition, research on the prevalence of antimicrobial-resistant strains and their respective resistance profiles is of interest.

Impacto das pesquisas desenvolvidas para a sociedade e ciência

LPMA researchers are involved in the investigation of materials (natural or synthetic) to be applied in the control of the development of different microorganisms pathogenic to man. Research projects are carried out in cooperation with research groups from the State, Brazil and other countries. The projects contribute to scientific initiation, graduation works, master's and doctoral projects., as well as projects linked and funded by UNIVALI, FAPESC, CNPq, CAPES, pharmaceutical industry and the like.