# ABSTRACT

The main objectives of this project were to determine the antibacterial activities of different alcoholic extracts obtained from the *Chelidonium majus* plant in order to produce a disinfectant solution, free of iodine that could replace those existing in the market. On the other hand, it was also intended to develop a biodegradable composite, from the plant extract and potato residues, to replace the current quick dressings. These dressings also have a film impregnated with disinfectant solution, so when the dressing is placed on a lesion of the epidermis, in addition to staunching the hemorrhage and protecting the wound, it will also work as a disinfectant. Thus, the objectives of this project were achieved by verifying that both the crude ethanoic extract and the dried ethanoic extract have antibacterial properties compared to the disinfectant solutions on the market, proven by antibiogram. On the other hand, in relation to the aqueous extract starch composite, biodegradability was observed, indicating fungi after two days on land.

**Key words:** *Chelidonium majus L*., plant, antibacterial, disinfectant solution, dressings and biodegradability.