INTRODUCTION

To meet the needs of an exponentially growing population in terms of sustainable food production, an increase in the use of pesticides is inevitable to ensure a greater production and a safe supply.\(^1,2\)

However, despite their beneficial role, some of these agrochemicals have been associated to dangerous characteristics, including carcinogenicity, teratogenicity, high and acute residue toxicity, interference with the hormonal and reproductive systems of mammals and long environmental persistence.\(^3\)

Thus, the development of alternative pesticides that are eco-friendly, safe to humans and non-target organisms and that can circumvent the evolution of resistance has been an important topic of research in recent years. This implies understanding the mode of action of conventional pesticides and knowing their targets.\(^4\)

WORK IN PROGRESS

This is a free access catalogue containing the known structures of all protein targets directly associated to insecticide action. We aim to be a valuable tool to help visualise, explore and understand these targets and possibly lead to the design and development of new and more effective insecticides.

REFERENCES


