Ant repellent allomones produced by social wasps

Fact Sheet

Project Information

Grant agreement ID: FMBI950341

Project closed

Start date
1 April 1996

End date
30 September 1997

Funded under
Specific research and technological development programme in the field of the training and mobility of researchers, 1994-1998

Total cost
No data

EU contribution
No data

Coordinated by
University of Keele
United Kingdom

Objective

Several species of wasps (independent founding Polistinae, some Vespina and Stenogastrinae) produce repellent substances which prevent nest invasion by ants which prey upon their immature brood.
The chemical composition of these allomones is only known in very few species. I recently analysed the allomones of hvo species of Polistes wasps and in biossay experiments found that certain of them have extremelv repellent properties towards some species of ants.

The aim of the project is the chemical analysis of allomones from a lar number of species of social wasps and subsequent tests on several species of ants, expecially pest ants, to establish whether they can be employed to control ants which damage human activity The results obtained from chemical analyses of a large number of species could also furnish interesting results for comparative studies. The study will provide the opportunity to acquire techniques used in pheromone and allomone analysis.

Programme(s)

FP4-TMR - Specific research and technological development programme in the field of the training and mobility of researchers, 1994-1998

Topic(s)

0302 - Post-doctoral research training grants

TC04 - Instrumental Techniques, Analysis and Sensors

Call for proposal

Data not available

Funding Scheme

RGI - Research grants (individual fellowships)

Coordinator

University of Keele

EU contribution

No data

Total cost

No data

Address

ST5 5BG Keele - Staffordshire

United Kingdom

Participants (1)

Not available

Italy

EU contribution

No data

Address

Total cost

No data

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