

ERASMUS+ TEACHING STAFF SEMINARS

Erasmus Departmental Coordinator for Biological Area – Prof. Oscar P. V. Lisi

CdS Magistrali in: **Biologia Ambientale**, e **Biologia Sperimentale e Applicata**
Dottorato di Ricerca in **Scienze della Terra e dell’Ambiente**

Entomopathogenic fungi as biological control agents of insect pests

Prof. Dr. Cezary Tkaczuk

Siedlce University of Natural Sciences and Humanities, Institute of Agriculture and Horticulture

Entomopathogenic fungi (EPF) have a wide distribution and live in almost all terrestrial ecosystems in the world. They are an important factor in the regulation of insect pests that can cause great levels of mortality, and they are capable of breaking down pest populations during outbreaks in forest and agricultural habitats. Recent studies demonstrate that EPF, often exclusively considered as insect pathogens, playing additional roles in nature viz. plant disease antagonism, endophytism, plant growth promotion and rhizosphere colonization. More than 700 fungal species from 100 orders are estimated as potential bioagents; however, a majority of important insect pathogens belong to the phylum Ascomycota and order Hypocreales, as well as to Entomophthoromycota, order Entomophthorales. The biological control of pests by using EPF is an attractive alternative to the use of chemical pesticides, mainly because these fungi are safer for humans, animals, and the environment.



27.05.2026 - Aula Darwin (Biologia Vegetale, Via Empedocle 58),
ore 9.00-13.00.

- Seminar “Entomopathogenic fungi in biological control of insect pests”.
- Teaching about application strategies of entomopathogenic fungi.

28.05.2026 - Aula Darwin (Biologia Vegetale, Via Empedocle 58),
ore 9.00-13.00.

- Seminar “Acaropathogenic fungi in biological control of mite pests”.
- Practical courses on collection, identification and isolation of entomopathogenic fungi.

