**DR ZSOLT FERENC MARCZALI** Associate Professor, PhD, Plant Protection Zoologist, M.Sc. in Agricultural Engineering, M.Sc. in Plant Protection

Department of Plant Protection

Institute of Plant Protection

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Subjects taught:

at BSc level

Protection of Horticultural Plants I. - KEGNNVB144A

Protection of agricultural crops - KEGNNVF244D

at MSc level

Mass outbreaks of pests - KEGNNVM242N

Applied Zoology - KEGNNVM244B

Post Harvest Physiology and Plant Protection - KEGNNVM146P

Applied Entomology (in English) - MNNVN02K111

Physiology and Ecology of Insects (in English) - MNNVN02K430

at postgraduate level

Entomological diagnostics - KEFFNVS230B

Insect Ecology and Physiology - NVVED056L

Applied Zoology - KEFFNVS225A

Basics of Pest Forecasting - KEFFNVS420A

Biological and Ecological Plant Protection - KEFFNVS415C

at PhD level

Insect Physiology - PEDIGKKO50

Insect ecology - PEDIGKKO51

Research field:

In his research work, he deals with plant protection zoology, most of its segments, including species of pests other than insects.

Main research topics:

• Studies on the biology of pests in crucifers (biology and taxonomy of Brassicogethes and Ceutorhynchus species)

• Insecticide and acaricide efficacy studies

• Insecticide resistance studies with Brassicogethes and Ceutorhynchus species

• biological control studies on pests

•Ecological studies on pest insects (swarming, overwintering).

•Studies on insecticide resistance of pest insects (pollen beetle, weevil species in rapeseed).

•Effects of the solar activity cycles on the outbreaks of forest pests.

Major research topics:

Studies on the overwintering and swarming of pest insects.

Insecticide resistance of pollen beetle, pyrethroid resistance monitoring and investigations on the decreased sensitivity to other active ingredient groups.

Secondary research using the data of the national light trap net to clarify the effects of solar activity changes on the mass outbreaks of defoliating forest pests

Personal business card

Publications, scientific metric indicators:

MTMT: https://m2.mtmt.hu/api/author/10001385

National Doctoral Council: https://doktori.hu/index.php?menuid=192&lang=EN&sz_ID=6808

ResearchGate: https://www.researchgate.net/profile/Zsolt-Marczali