



TAGEM
R&D AND INNOVATION

DIRECTORATE OF PLANT PROTECTION CENTRAL
RESEARCH INSTITUTE/ ANKARA

Abdullah Emre ATIŞ, MSc Agricultural Engineer

EDUCATION

- PhD**
2018-Present
Ankara University
Biotechnology Institute
 - MSc**
2017-2018
University of Exeter
Evolutionary and Behavioural
Ecology
 - Bachelor's Degree**
2008-2013
Akdeniz University
Faculty of Agriculture
- LANGUAGE** English YDS 92.5
IELTS 6.5

CAREER


- 2017-Present Engineer, Directorate of Plant Protection Central
Research Institute-ANKARA

ABOUT ME


I was born in 1990 in Burdur. After graduated from Akdeniz University, Faculty of Agriculture, in 2013, I had my master's degree at the University of Exeter in England in 2017. Then, I started doctorate education at Ankara University Biotechnology Institute in 2018.

Since December 2017, I have been working on Insect Toxicology in the Department of Plant Protection, Pesticides, and Toxicology.

CONTACT

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▪ **PROJECTS**

▪ **Projects Conducted**

1. Characterization of insecticide resistance in tomato leafminer, *Tuta absoluta* (Lepidoptera: Gelechiidae), identification candidate genes involved in metabolic resistance and investigation of insecticide mixtures in resistance management.
2. Investigation of Resistance Status and Mechanisms of *Myzus persicae* [(Sulzer) (Hemiptera: Aphididae)] Populations Damaged in Greenhouse Vegetable Production Areas in Antalya Province against Insecticide Mixtures of Neonicotinoid and Synthetic Pyrethroid.
3. Determination of Resistance Level and Mechanisms of Twospotted spider mite, *Tetranychus urticae* Koch) (Acarina : Tetranychidae) Populations Damaged in Greenhouse Vegetable Production Areas in Antalya Province.
4. Determination of Fungicide Resistance in Gray Mold (*Botrytis cinerea* Pers.) which Causes Diseases in Tomato Greenhouses of Antalya by using Microtitter Test and Molecular Methods

▪ **Ongoing Projects**

1. Designing of pesticide molecules targeting allatostatin receptor.
2. Mass Production of *Bacillus thuringiensis* var. *kurstaki* HD73 Strain Used in Biological Control of the Tomato Leafminer (*Tuta absoluta*) (Meyrick) (Lepidoptera: Gelechiidae) through Optimization of Production Conditions and Preparation of Commercial Formulation.
3. Investigation of the Use of RNA Interference (RNAi) Technique in the Control of Colorado Potato Beetle (*Leptinotarsa decemlineata*).
4. Biopesticide Formulation Studies.



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■ **PUBLICATIONS**

■ **INTERNATIONAL ARTICLES AND PAPERS**

■ **Articles Published in International Journals**

1. İnak E., Özdemir E., Atış AE., Zelyüt FR., İnak A., Demir Ü., Roditakis E., Vontas J., 2021. Population structure and insecticide resistance status of Tuta absoluta populations from Turkey. Pest Management Science.

■ **International Papers, Seminars, etc.**

1. Atış AE., Demiröz D., Yılmaz A., Özel E., Coşkun B., Ergül A., 2021. Transcriptome-Based Identification of Differentially Expressed Genes Following Spinosad Exposure in the Tomato Leafminer [Tuta absoluta (Meyrick) (Lepidoptera: Gelechiidae)] (Oral-Abstract). 8th Plant Protection Congress with International Participation, 24-28 August 2021, Bolu, Türkiye.
2. Koçak E., Schlipalius D., Yılmaz A., AlpKent Y N., Ertürk S., Atış AE., Coşkun B., 2019. Genetic structure of phosphine resistance and marker development in Sitophilus spp. (Coleoptera: Curculionidae) populations in Turkey (Oral-Abstract). 1st International Molecular Plant Protection Congress, April 10-13 2019, Adana Turkey.
3. Atış AE., Demiröz D., Yılmaz A., 2019. Diamide insecticide resistance in tomato leafminer, Tuta absoluta (Lepidoptera: Gelechiidae) from Antalya, Turkey (Poster-Abstract). 1st International Molecular Plant Protection Congress, April 10-13 2019, Adana Turkey.
4. AlpKent, Y.N, Yılmaz, A., Ay, R., Ulusoy, S., Yavuz, Z., İnak, E., Coşkun, B., Atış, A.E, 2018. The resistance levels to some acaricides of Tetranychus urticae Koch (Acari: Tetranychidae) collected from vegetable greenhouses in Antalya Province, Turkey (Oral-Abstract). XV International Congress of Acarology.2-8 September, Antalya-Turkey.

■ **NATIONAL ARTICLES AND PAPERS**

■ **Articles Published in National Journals**

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■ **International Papers, Seminars, etc.**

1. Atış AE., Demiröz D., Özel E., Yılmaz A., Coşkun B., Ergül A., 2021. Identification of Spinosad Susceptibility Level and Target-Site Mutations in the Tomato Leafminer, Tuta absoluta from Antalya, Turkey (Poster-Abstract). 1th National Biosciences Congress, 16-18 Aralık 2021, Türkiye (Online).



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▪ **OTHER PUBLICATIONS**

▪ **Ph.D. Thesis, Master Thesis, Reports, Books etc.**

1. Investigating the Molecular Basis of Spinosad and Diamide Insecticides Resistance in Tuta Absoluta (Yüksek Lisans Tezi).

▪ **Membership, Training, Course, Meeting, Congress, Symposium and Other Activities**

1. Real Time PCR and Application Techniques, Directorate of Plant Protection Central Research Institute, 5.11.2019.
2. Expert Mission on Risk Assessment of Pesticide Residues, Ministry of Agriculture and Forestry (Turkey), TAIEX, Twining, 20.11.2019.
3. Horizon Europe Cluster 6: Focus Group Training on Food, Bioeconomy Natural Resources, Agriculture and Environment, Online, TUBITAK, 10.06.2021.