



TAGEM
R&D AND INNOVATION

DIRECTORATE OF PLANT PROTECTION CENTRAL
RESEARCH INSTITUTE/ ANKARA

Gamze ERDURMUŐ, MSc Agricultural Engineer

EDUCATION

- PhD** 2014-Present Ankara University Institute of Science
Plant Protection Department
Phytopathology discipline
- MSc** 2006-2008 Ankara University Institute of Science
Plant Protection Department
Phytopathology discipline
- Bachelor's Degree** 2002-2006 Ankara University
Faculty of Agriculture

LANGUAGE English YDS 65

CAREER


- 2011-Present Engineer, Directorate of Plant Protection Central
Research Institute-ANKARA


ABOUT ME


She was born in 1983 in Ankara. After graduated from Ankara University, Faculty of Agriculture, in 2006, She had her master's degree at the Ankara University Institute of Natural and Applied Sciences Plant Protection Department Phytopathology discipline in 2008. Then, She started Phd education at Ankara University Institute of Natural and Applied Sciences Plant Protection Department Phytopathology discipline in 2014.

Since March 2011, She has been working on Toxicology, Ecotoxicology and Fungicide Resistance in the Department of Physiology and Toxicology.

CONTACT

 Zirai Mücadele Merkez Arařtırma
Enstitüsü Müdürlüğü B Blok Gayret
Mahallesi. Fatih Sultan Mehmet Bulvarı.
No: 66, 06172 Yenimahalle / ANKARA
TÜRKİYE

 gamze.erdurmus@tarimorman.gov.tr

 0312 344 59 93 / 1405



Gamze ERDURMUŞ, MSc

Agricultural Engineer



▪ **PROJECTS**

▪ **Projects Conducted**

1. Determination Of The Sensitivity Of Early Leaf Blight (*Alternaria* spp.) In Tomato To Some Fungicides. (Leader)
2. Determination of Fungicide Resistance in Gray Mold (*Botrytis cinerea* Pers.) which Causes Disease in Tomatoes Greenhouses of Antalya by Using Microtiter test and Molecular Methods. (Leader)
3. Determination of Diseases and Toxicological Factors Causing Deaths of Honey Bees and Some Wild Bees in Turkey (Researcher)
4. 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. (Researcher)
5. 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. (Researcher)
6. Investigation of the Effect of Drying Process on Pesticide Residues of Cultivated Mushroom [*Agaricus bisporus* (Lange) Singer author]. (Researcher)
7. Investigation of the Feasibility of Toxicological Tests of Pesticides under Glp Conditions. (Researcher)

▪ **Ongoing Projects**

1. Determination of Resistance in Grapevine Powdery Mildew (*Erysiphe necator* Schwein) which is against to QoI (Quinone outside Inhibitor) and DMI (Demethylation Inhibitor) group Fungicides. (Leader)
2. Development of Biopesticide Formulation. (Researcher)
3. Investigation of Acute Toxicity of Alpha-Cypermethrin, Teflubenzuron and Their Mixtures in Carp (*Cyprinus Carpio* Linnaeus, 1758). (Researcher)



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■ **PUBLICATIONS**

■ **INTERNATIONAL ARTICLES AND PAPERS**

■ **Articles Published in International Journals**

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

1. Erdurmuş G., Dolar F.S., 2016. Root and Root Throat Diseases Caused by Fungal Factors in Garlic. 6th. International Plant Protection Congress, 5-8 September 2016, Konya Turkey.
2. Erdurmuş G., CANPOLAT S., Tülek S., 2016 Determination of the Susceptibility of Early Blight Disease Agent (*Alternaria* spp.) in Tomatoes to Azoxystrobin. 6th. International Plant Protection Congress, 5-8 September 2016, Konya Turkey.
3. Erdurmuş G., Demiröz D., Yılmaz A., 2017. Ecotoxicological Criteria Used in the Licensing of Pesticides. 13th. International Ecology and Environment Congress (UKECEK), 12-15 September 2017, Edirne Turkey.
4. Erdurmuş G., Yılmaz A., Demiröz D., 2017. Determination of Resistance to Azoxystrobin and Mancozebe in Tomato Early Blight (*Alternaria alternata*). Central Anatolia Region 3rd Agriculture and Food Congress, 26-28 October 2017, Sivas Turkey.
5. Erdurmuş G., Yılmaz A., Demiröz D., 2018. Infection Mechanism of Gray Mold Disease Agent (*Botrytis cinerea* Pers.). International Conference On Agriculture, Forest, Food Sciences And Technologies, 2-5 April 2018, Çeşme/İzmir Turkey.
6. Erdurmuş G., 2022. License Based Evaluation of Microbial Pesticides. Biological and Biotechnical Control Workshop (Invited Presentation) 16-18. 5. 2022

■ **NATIONAL ARTICLES AND PAPERS**

■ **Articles Published in National Journals**

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■ **National Papers, Seminars, etc.**

1. Erdurmuş G., 2022. Evaluation Criteria for Toxicology and Ecotoxicology of License Application Files. Plant Protection Products Licensing Commission Training and Evaluation Meeting. 17-21 October 2022. ANTALYA
2. Erdurmuş G., 2022. Evaluation Criteria of Mixed Plant Protection Products in Terms of Toxicology, Ecotoxicology and Resistance. Meeting on Licensing of Formulated Plant Protection Products as a Mixture. 8 December 2022. ANKARA



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▪ **OTHER PUBLICATIONS**

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

1. Yılmaz A., Erdurmuş G., Elibüyük E A., Koca.E, 2018 Resistance Development of Harmful Organisms Against Pesticides And Resistance Management: Chemical Pest Control Book From Theory to Practice, Ed: Nevzat BİRİŞİK. Sayfa: 233-256
2. Bozkurt V., Yıldırım A. F., Erdurmuş G., 2018. Practice of Chemical Pest Control in Integrated Pest Control: Chemical Pest Control Book From Theory to Practice, Ed: Nevzat BİRİŞİK. Sayfa: 281-292

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

▪ Turkish Phytopathology Association

1. Primer design for PCR based detection and diagnostics using Web-software, Directorate of Plant Protection Central Research Institute, 15.6.2014
2. Good Laboratory Practices (GLP) Training, Turkish Accreditation Agency (TÜRKAK), 11-12.6.2019
3. Real Time PCR and Application Techniques, Directorate of Plant Protection Central Research Institute, 5.11.2019.
4. Expert Mission on Risk Assessment of Pesticide Residues, Ministry of Agriculture and Forestry (Turkey), TAIEX, Twining, 20.11.2019.
5. TAIEX Workshop on Technical and Scientific Review Procedures and Files for Plant Protection Products Online 27-30.9. 2021
6. BTSF training on Risk Assessment of Microorganisms used as Pesticides or Biocides. Online 30. 5 – 3. 6. 2022.
7. 4th Annual Forum on Endocrine Disruptors. Online 21-22. 09. 2022
8. OECD Global Forum on Environment: Working towards the elimination of mercury and reducing its harmful impacts on human and the environment. Online 7-8. 11. 2022
9. EFSA 118th Plant Protection Products and Their Residues (PPR) Panel. Online 7. 12. 2022