



**TAGEM**  
R&D AND INNOVATION

DIRECTORATE OF PLANT PROTECTION CENTRAL  
RESEARCH INSTITUTE/ ANKARA

## YASIN NAZIM ALPKENT, PhD Agricultural Engineer

### EDUCATION

- Assoc. prof**
  - PhD.** 2022  
Ankara University  
Faculty of Agriculture/ Plant Protection
  - MSc.** 2006-2009  
Selçuk University  
Faculty of Agriculture/ Plant Protection
  - Bachelor's Degree** 2002-2006  
Selçuk University  
Faculty of Agriculture/Plant Protection
- LANGUAGE** English YÖKDİL 80 / YDS 70

### CAREER

- 2011- Directorate of Plant Protection Central Research Institute /ANKARA

### ABOUT ME

He was born in Germany in 1983. He graduated from Selçuk University, Faculty of Agriculture Department of Plant Protection in 2006. He received his Master of Science degree at Selçuk University Plant Protection Department in 2009, and completed his doctoral education at Ankara University Plant Protection Department in 2022.

### CONTACT

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# YASİN NAZİM ALPKENT, PhD

## Agricultural Engineer



### ▪ **PROJECTS**

#### ▪ **Projects Conducted**

1. 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.
2. Determination of Efficacy of Some Acaricides and Synergists Against *Tetranychus urticae* Koch Populations Collected From Important Strawberry Producing Areas in Turkey and Molecular Characterization of The Resistance
3. Determining the Effects of Processing and Storage on Residue Levels of Some Pesticides Used on Peach
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.
5. Determination of Resistance Mechanisms and Levels of Two – Spotted Spider Mite *Tetranychus urticae* (Koch) (Acarina:Tetranychidae) Populations Against Acaricides in Vegetables Grown in Greenhouses of Antalya Province
6. Molecular and Toxicological Determination of Phosphine Resistance in Some Stored Grain Pests Across Turkey
7. Determination of The Sensitivity of Early Leaf Blight (*Alternaria* spp.) in Tomato to Some Fungicides

#### ▪ **Ongoing Projects**

1. Investigations of Resistance Status to Some Acaricides of *Tetranychus urticae* Koch (Acari: Tetranychidae) Populations in Cotton Growing Areas.
2. Development of Biopesticide Formulation.
3. Investigation of the Feasibility of Toxicological Tests of Pesticides under Glp Conditions



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### ■ **PUBLICATIONS**

#### ■ **INTERNATIONAL ARTICLES AND PAPERS**

##### ■ **Articles Published in International Journals**

1. Koç, N., İnak, E., Nalbantoğlu, S., Alpkent, Y. N., Dermauw, W. and Van Leeuwen, T. (2022). Biochemical and molecular mechanisms of acaricide resistance in *Dermanyssus gallinae* populations from Turkey. *Pesticide biochemistry and physiology*, 180, 104985.
2. Alpkent, Y. N., İnak, E., Ulusoy, S. and Ay, R. (2020). Acaricide resistance and mechanisms in *Tetranychus urticae* populations from greenhouses in Turkey. *Systematic and Applied Acarology*, 25(1), 155-168.
3. Ulusoy, S., Özgür, O. and Alpkent, Y. N. (2019). Toxic and in vitro anti-acetylcholinesterase and anti-carboxylesterase effects of various plant extracts on *Aphis gossypii* Glover, 1877 (Hemiptera: Aphididae). *Turkish Journal of Entomology*, 43(3), 339-346.
4. İnak, E., Alpkent, Y. N., Çobanoğlu, S., Dermauw, W. and Van Leeuwen, T. (2019). Resistance incidence and presence of resistance mutations in populations of *Tetranychus urticae* from vegetable crops in Turkey. *Experimental and Applied Acarology*, 78(3), 343-360.
5. Koçak E., Yılmaz A., Alpkent Y. N., Ertürk S. (2018). Phosphine resistance to some coleopteran pests in stored grains across Turkey. In: Trematerra, P., Trdan, S.(Eds.), IOBC-WPRS Bulletin. vol. 130,pp. 303e310. IOBC-WPRS Bulletin
6. Kocak, E., Yılmaz, A., Alpkent, Y. N., & Bilginturan, S. (2018). Phosphine resistance of rusty grain beetle *Cryptolestes ferrugineus* (Coleoptera: Laemophloeidae) populations in Turkey. *Scientific Papers*, 286-290

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

1. 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. 1st International Molecular Plant Protection Congress, April 10-13 2019, Adana TURKEY. (Oral Presentation)
2. İnak, E., Alpkent, Y.N., Çobanoğlu, S., Dermauw, W. and Van Leeuwen, T. (2019). Resistance status of *Tetranychus urticae* strains collected from vegetables in Turkey and screening for resistance mutations. 1st International Molecular Plant Protection Congress, April 10-13 2019, Adana TURKEY. (Sözlü)
3. Alpkent, Y.N., Ulusoy, S., İnak, E., Coşkun, B. Atış, A. E. (2018). Effects of some plant extracts on the adults of *Tetranychus urticae* (koch, 1836) (Acarina: Tetranychidae) in invitro conditions. 1. International Agricultural Science Congress 09-12 may 2018, Van-Turkey. (Oral Presentation)
4. Alpkent Y.N, İnak E., Atış, A.E., Coşkun B, Ulusoy S., Çağırğan O. (2018). Investigations about entomopathogenic fungi space *Metarhizium anisopliae* (metchnikoff) sorokin (Ascomycota: Hypocreales: Clavicipitaceae) that could be use for managing honey bee parasite varroa destructor anderson and trueman (parasitiformes: varroidae)'s damage. 1 International Agricultural Science Congress 09-12 may 2018, Van-Turkey. (Poster)
5. Alpkent Y.N., İnak E., Coşkun B.,Atış, A.E., Ulusoy S. (2018). The acaricide effect on larvae of *Tetranychus urticae* (koch, 1836) (Acarina: Tetranychidae) on different plant extracts. 1 International Agricultural Science Congress 09-12 may 2018, Van-Turkey. (Poster)



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6. İnak, E. Alpkent Y.N. (2018). Abc transporters and their role in insecticide resistance.1 International Agricultural Science Congress 09-12 may 2018, Van-Turkey. (Poster)
7. Özdemir, E., İnak E., Alpkent Y.N. (2018). Crispr/cas9 and pest control. 1 International Agricultural Science Congress 09-12 may 2018, Van-Turkey. (Poster)
8. 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. XV International Congress of Acarology.2-8 September, Antalya-Turkey. (Oral Presentation)
9. Koçak E, Schlipalius D., Yılmaz A., Alpkent Y. N.,(2018). Molecular characterisation of phosphine resistance using RNA-seq in Turkish populations of *Sitophilus spp.* XI European Congress of Entomology, Napoli- Italy 2-6 July. (Oral Presentation)
10. Ulusoy S., Özgür O., Alpkent Y.N. (2018). P450 Monooxygenase and Acetylcholinesterase Enymes Activity in Acetamiprid Resistant *Aphis gossypii* (Glover) (Hemiptera:Aphididae) Populations. 4. International Agriculture Congress. 05-08 July. Nevşehir-Turkey. (Oral Presentation)
11. İnak, E. Alpkent Y.N. (2018). Abc transporters and their role in insecticide resistance.1 International Agricultural Science Congress 09-12 may 2018, Van-Turkey. (Poster)
12. Özdemir, E., İnak E., Alpkent Y.N. (2018). Crispr/cas9 and pest control. 1 International Agricultural Science Congress 09-12 may 2018, Van-Turkey. (Poster)
13. 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. XV International Congress of Acarology.2-8 September, Antalya-Turkey. (Oral Presentation)
14. Koçak E, Schlipalius D., Yılmaz A., Alpkent Y. N.,(2018). Molecular characterisation of phosphine resistance using RNA-seq in Turkish populations of *Sitophilus spp.* XI European Congress of Entomology, Napoli- Italy 2-6 July. (Oral Presentation)
15. Ulusoy S., Özgür O., Alpkent Y.N. (2018). P450 Monooxygenase and Acetylcholinesterase Enymes Activity in Acetamiprid Resistant *Aphis gossypii* (Glover) (Hemiptera:Aphididae) Populations. 4. International Agriculture Congress. 05-08 July. Nevşehir-Turkey. (Oral Presentation)
16. Koçak E., Yılmaz A., Alpkent Y N., Ertürk S., (2017). Phosphine resistance to some coleopteran pests in stored grains across Turkey.. Conference of the IOBC-wprs (OILB-srop) Working Group on “Integrated Protection of Stored Products” Ljubljana, Slovenia, 3-5 July 2017., p. 61. (Oral Presentation)
17. Koçak, E. Yaman M. O. , Yılmaz A., Alpkent Y N., (2017). Pest Resistance to Phosphine in Stored Grains. XXIV Konferencija Naukovej Infrastruktura I Srodowisko Dobczyce., 26-28 czerwca, p. 32, (Oral Presentation)
18. Esinkılınc, G., Özkaya, Ö., Alpkent, Y.N., Ertürk, S., Çağırğan, O., (2015). Usage Possibilities of *Beauveria bassiana* (Bals.-Criv.) Vuill for Control of Parasite [*Varroa destructor* Anderson and Trueman (Parasitiformes: Varroidae)] on Honeybees. 5th Entomopathogens and Microbial Control Congress, 9 – 11 eylül 2015, Ankara. (Poster)



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### ▪ NATIONAL ARTICLES AND PAPERS

#### ▪ Articles Published in National Journals

1. Alpkent, Y. N., Alaoğlu, Ö. and Çetin, M. H. (2020). Fumigant toxicity at low temperature of four different essential oils against different stages of Mediterranean flour moth *Ephestia kuehniella* Zeller (Lepidoptera: Pyralidae). *Bitki Koruma Bülteni*, 60(2), 3-13.
2. İnak, E. Özdemir, E., Alpkent, Y. N., İnak, A. ve Özkan, C. (2019). Entegre zararlı yönetimi ve gelişmekte olan ülkelerdeki durumu. *Harran Tarım ve Gıda Bilimleri Dergisi*, 23(1), 120-130.
3. Çağırğan, O., Alpkent, Y.N., (2014). Çöl Ekosisteminin Harika Mimarları : Termitler. *Toprak Su Dergisi*. Sayı 2, 46 – 47s.
4. Erdoğan, P., Barış, A. ve Alpkent, Y.N., (2014). Orta Anadolu Bölgesinde Domateslerde Zararlı olan Domates güvesi [*Tuta absoluta* Meyrick (Lepidoptera : Gelechiidae)]'nin Sürveyi ile Popülasyon Takibi. *Bitki Koruma Bülteni*, 54 (3) : 255 – 265.
5. Alpkent Y.N., Alaoğlu, Ö., Çetin, H., (2013). Bazı Bitkisel Uçucu Yağların *Ephestia kuehniella* Zeller(Lepidoptera : Pyralidae) 'ya Fümigant Etkileri. *Bitki Koruma Bülteni* 2013, 53(2):115-126.

#### ▪ International Papers, Seminars, etc.

1. Alpkent, Y.N., Çağırğan, O., Yılmaz, A., (2015). Pestisitlerin Mikroorganizmalar Tarafından Parçalanarak Ayrışma Ürününe Dönüştürülmesi. 12. Ulusal Ekoloji ve Çevre Kongresi. Bildiri Özeti Kitabı, 14 – 17 Eylül 2015, Muğla. (Oral Presentation)
2. Çağırğan, O., Alpkent, Y.N., Gönülal, E., Uysal, M., Çetin, H., (2015). Tohum İlaçlamasında Kullanılan Neonikotinoidlerin Olumsuz Etkileri. 11. Tarla Bitkileri Kongresi. Bildiri Özeti Kitabı, 7 – 10 Eylül 2015, Çanakkale. (Poster)
3. Çağırğan, O., Alpkent, Y.N., Uysal, M., Çetin, H., (2015). Neonikotinoit Grubu İnektisitlerin Ekotoksikolojik Etkileri. 12. Ulusal Ekoloji ve Çevre Kongresi. Bildiri Özeti Kitabı, 14 – 17 Eylül 2015, Muğla. (Oral Presentation)
4. Çağırğan, O., Alpkent, Y.N., (2014). Pestisitlerin Topraktaki Mikroorganizmalar Üzerine Etkisi. 2. Uluslararası Katılımlı Kuraklık ve Çölleşme Sempozyumu, Bildiri Özeti Kitabı, 16 - 18 Eylül 2014, Konya (Poster)
5. Çağırğan, O., Alpkent, Y.N., Uysal, M., (2014). Ekosistem Mühendisleri : Termitler. 2. Uluslararası Katılımlı Kuraklık ve Çölleşme Sempozyumu, Bildiri Özeti Kitabı, 16 - 18 Eylül 2014, Konya (Oral Presentation)
6. Alpkent Y.N., Aksu P., Alkan M., Ertürk S., (2013). Dünyada ve Ülkemizde Önemli Patates Zararlıları ve Mücadele Yöntemlerine Kısa Bir Bakış. Patates Zararlı Organizmaları Sempozyumu. 4 – 7 Kasım 2013, Ankara (Poster)
7. Alpkent Y.N., Alaoğlu, Ö., Çetin, H., (2011). Bazı Bitkisel Uçucu Yağların Un Güvesi *Ephestia kuehniella* Zeller(Lepidoptera : Pyralidae) 'ya Fümigant Etkileri. II. Ulusal Biyosidal Kongresi, Side-Antalya, (Oral Presentation)



**YASİN NAZİM ALPKENT, PhD**  
**Agricultural Engineer**



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