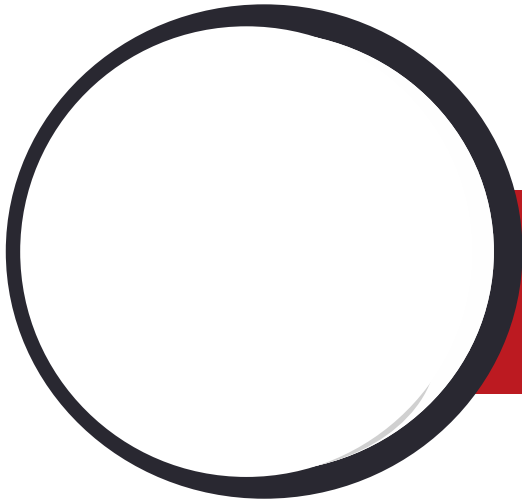




TAGEM
R&D AND INNOVATION

DIRECTORATE OF PLANT PROTECTION CENTRAL
RESEARCH INSTITUTE/ANKARA



İSTEM BUDAK

Agricultural Engineer

EDUCATION

- PhD** 2018-.... Erciyes University
Graduate School of Natural and Applied Sciences
- MSc** 2004-2006 Ankara University
Graduate School of Natural and Applied Sciences
- Bachelor's Degree** 1992-1996 Ankara University Faculty of Agriculture
- LANGUAGE** English YDS 56.25

CAREER

- 2016-... Researcher, ZMMAE, Directorate of Plant Protection
Central Research Institute/ANKARA
- 2004-2016 Agr. Engineer, TAGEM, General Directorate of
Agricultural Research and Policy- ANKARA
- 2001-2004 Agr. Engineer, Ankara Directorate of Provincial
Agriculture and Forestry - ANKARA
- 1997-2001 Officer, Çalışma Ve Sosyal Güvenlik Bakanlığı -
ANKARA

ABOUT ME

She was born in İstanbul. She graduated from Ankara University, Faculty of Agriculture, Department of Plant Protection in 1996; she completed her master's degree in 2006 at the Institute of Science of the same university. In 2018, she started her PhD in Kayseri Erciyes University, Graduate School of Natural and Applied Sciences.

She has been working in the Weed Research Department of the Ankara Plant Protection Central Research Institute since 2016.

CONTACT



Gayret Mahallesi. Fatih Sultan Mehmet
Bulvarı. No: 66, 06172 Yenimahalle/
Ankara/TÜRKİYE



istem.budak@tarimorman.gov.tr



0 312 344 59 93 -96



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▪ **PROJECTS**

▪ **Projects Conducted**

1. Weed Management in Safflower (Project Leader-TAGEM).
2. Determination of Imazamox Resistant Fat hen (*Chenopodium album* L.) Biotypes in Sunflower Fields of Marmara Region (Project Leader -TAGEM).
3. Determination of the Glyphosate Resistant Horseweed (*Conyza canadensis*) Biotypes in Apple Orchard in Isparta Province (Project Leader -TAGEM).
4. Creating the Database of Herbarium of Plant Protection Central Research and Preparation of the Catalog (Project Leader-TAGEM).
5. Ankara İli Ayçiçeği Ekim Alanlarındaki Yabancı Ot Türlerinin Yaygınlığı ve Yoğunluğu ile Önemli Türler Üzerindeki Fungal Patojenlerin Biyolojik Mücadelede Kullanım Olanaklarının Araştırılması (Researcher -TAGEM).
6. Yoncada Virüslerden Ari Polycross Parselinin Oluşturulması Üzerine Araştırmalar (Researcher -TAGEM).
7. Orta Anadolu Bölgesi Domates, Biber, Marul Ekiliş Alanlarında TSWV'nin Tespiti, Yaygınlığı, Moleküler Karakterizasyonu ve Bazı Domates Gen Kaynaklarının TSWV'ye Karşı Dayanıklılıklarının Moleküler İşaretleyiciler İle Belirlenmesi (Researcher -TAGEM).
8. Efficacy Of Vegetative Filter Strips To Reduce Runoff Caused By Sudden Heavy Rainfall (Researcher -TÜBİTAK).

▪ **Ongoing Projects**

1. Research on the Development of Weed Control in Cumin (Project Leader –PhD Project-TÜBİTAK).
2. Determination of Weeds in Spinach Production Areas in Ankara Province and Contamination Status of Poisonous Weeds to the Product. (Researcher -TAGEM).
3. Determination of Weeds in Drip Irrigated Rice Fields and Investigation of Herbicide Use (Researcher -TAGEM).
4. The Research on Effects of Plant Protection Practices on Wheat Production in TR5 (West Anatolia) and TR 7 (Middle Anatolia) Regions (Researcher -TAGEM).



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▪ **PUBLICATIONS**

▪ **INTERNATIONAL ARTICLES AND PAPERS**

▪ **Articles Published in International Journals**

1. **Türktemel, İ.**, Burçak, A.A., Yaşarer, A.H., Furat, B., Karaoğlu, S., 2015. The Importance of Integrated Pest Management in Pesticide Use. The Turkish Journal of Occupational Environmental Medicine and Safety , 2, Supp. 1/1.

▪ **International Papers, Seminars, etc.**

2. Serim, A.T., Asav, Ü., **Budak, İ.**, AGBIOL 2022. Efficacy of Vegetative Filter Strips to Reduce Runoff Caused by Sudden Heavy Rainfall. IV. International Agricultural, Biological & Life Science Conference, Edirne, Türkiye.
3. Serim, A.T., Asav, Ü., **Budak, İ.**, AGBIOL 2022. Leaching Of Nicosulfuron Used in Maize Caused by Heavy Rainfall. IV. International Agricultural, Biological & Life Science Conference, Edirne, Türkiye.
4. **Budak, İ.**, Serim, A.T., Asav, Ü., Güzel, O., Ulusoy, A., AGBIOL 2021. Determination of Imazamox Resistant Fat Hen Biotypes in Sunflower. III. International Agricultural, Biological & Life Science Conference, Edirne, Türkiye.
5. **Budak, İ.**, Serim, A.T., Asav, Ü., Güzel, O., Ulusoy, A., AGBIOL 2021. Determination of The Efficacy of Some Herbicides on the Weeds in Safflower. III. International Agricultural, Biological Life Science Conference, Edirne, Türkiye
6. Serim, A.T., **Budak, İ.**, Asav, Ü., Mennan, H., Çakır-Arıcın N., 2020. Response of barnyard grass (*Echinochloa* spp.) to some herbicides in the field conditions in Edirne, Turkey. II. International Agricultural, Biological Life Science Conference, Edirne, Türkiye 131.
7. **Budak, İ.**, Serim, A.T., Güzel, N.P., AGBIOL 2020. Creating the Database of Herbarium of Plant Protection Central Research. II. International Agricultural, Biological Life Science Conference, 132.
8. **Türktemel, İ.**, , Serim A T., Kızıl Aydemir, S., 2018. Response of some Turkish hungarian vetch variety and lines to some herbicides. Proceedings in International Agricultural Science Congress, Van, Türkiye, 462.
9. **Türktemel, İ.**, Serim A T., 2018. Efficacy of Reduced Rimsulfuron Doses in Combination with Sunflower Water Extracts on the Weeds. The 70th International Symposium on Crop Protection, Gent, Belgium.
10. Serim A T., **Türktemel, İ.**, 2018. Alternative Methods to Control Weeds Caused Problems in Rice Production. International Rice Workshop, Çanakkale, Türkiye.
11. **Türktemel, İ.**, Işık, D., 2018. Weed Control in Rice with Bio-herbicides. International Rice Workshop, Çanakkale, Türkiye.
12. **Türktemel İ.**, Koca E., Morca A F., 2017. Response of Sunflower, Safflower and Cotton to Sublethal Glufosinate Rates at Seedling Stage. Abstract in Proceeding Book of ICAFOF Conference, Ürgüp, Türkiye, 1072.



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▪ NATIONAL ARTICLES AND PAPERS

▪ Articles Published in National Journals

1. **Budak, İ.**, Işık, D., 2022. The New Face of Biological Control: Bioherbicide. Turkish Journal of Weed Science, 25-2, 151-160.
2. Serim, A.T., **Budak, İ.**, Asav, Ü., 2022. Determination of Glyphosate Resistant Horseweed (*Conyza Canadensis* (L.) Cronquist) in Apple Orchard in Isparta. Bilecik Seyh Edebali University Journal of Science, 9-1, 564-573.
3. **Budak, İ.**, Güzel, N., Serim, A.T., 2021. Herbarium and Database of Plant Protection Central Research Institute, Turkish Journal of Weed Science, 24-2, 57-63.
4. **Budak, İ.**, Serim, A.T., Asav, Ü., 2020. Determination of Weeds in Cumin (*Cuminum cyminum* L.) Fields in Ankara Province. Turkish Journal of Weed Science, 23-2: 137-143.
5. **Budak, İ.**, Serim, A.T., Asav, Ü., 2020. Determination of the efficacy of some herbicides on the weeds in safflower. Plant Protection Bulletin, 60 (3): 81-87.
6. Serim A T., N.P. Güzel, **Türktemel, İ.**, 2015. Use of allelopathic plant extract with herbicide. Derim, 32 (2):225-236.

▪ International Papers, Seminars, etc.

7. Serim A T., Asav Ü., **Türktemel İ.**, 2018. Weed control in conventional sunflower crop production system with total herbicide glufosinate ammonium. Türkiye VII. Bitki Koruma Kongresi, Dalaman, Muğla.
8. **Türktemel İ.**, Serim A T., Asav Ü., 2018. Determination of efficacy of nicosulfuron and chlorsulfuron on weed control in safflower. Türkiye VII. Bitki Koruma Kongresi, Dalaman, Muğla.
9. **Türktemel İ.**, Morca A F., Serim A T., 2017. The Effect of Glyphosate, Glufosinate and 2,4-D amin to Salicylic Acid Synthesis in Cotton Seedlings. 4. Ulusal Tarım Kongresi, Afyonkarahisar.
10. **Türktemel, İ.**, Burçak, A.A, Yaşarer, H., Furat, B., Karaoğlu, S., 2015. Pestisit Kullanımında Entegre Mücadelenin Önemi. Ulusal 2. Biyosidal Kongresi 9-13 Kasım 2015, Çeşme, İzmir.
11. Arıkan, N., **Türktemel, İ.**, Akbaş, B., 2015. Persistence of Herbicides in Soil. 2. Ulusal Biyosidal Kongresi, Çeşme, İzmir.
12. **Türktemel, İ.**, Arıkan, N., 2015. Sulardaki Herbisit Analizlerinde Yeni Yaklaşımlar. Uluslararası Katılımlı 2. Ulusal Biyosidal Kongresi, Çeşme, İzmir.
13. **Türktemel, İ.**, Emekçi, M., 2013. Depolanmış Ürün Zararlılarına Karşı Feromonlardan Yararlanma. 1. Bitki Koruma Ürünleri ve Makineleri Kongresi. 1. Bitki Koruma Ürünleri ve Makineleri Kongresi, Side, Antalya, 115-123 s.
14. Melan, K., **Türktemel, İ.**, 2008. Süne ve Ülkesel Süne Projesi. Ülkesel Tahıl Sempozyumu, Konya, 346-353 s.



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▪ **OTHER PUBLICATIONS**

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

1. **Budak, İ.**, 2022. Licensing of Herbicides. (The name of the book: Yabancı Ot Biliminde Güncel Konular, Ed. Mennan, H., Pala, F.,) 419-438 s.
2. Aksoy E., Pekcan, V., 2014. Canavar Otları (Orobanche spp., Phelipanche spp.) ve Mücadelesi, Ed. **Türktemel İ.**

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

3. Herbology Society of Turkey
4. Ulusal Botanik Bahçeleri, Arboretumlar, Herbaryumlar ve Botanik Müzeleri Çalıştayı, 2019. (Bilim Kurulu).
5. İnspector Training Course, 2002.
6. Fumigation Operator Course, 2004.
7. English Course, 2019.
8. Organic Agriculture Education, 2005.
9. Effective Communication Course, 2008.