

## Asst. Prof. TOLGA YILDIRIM

### Personal Information

Office Phone: [+90 242 310 2298](tel:+902423102298) Extension: 2298

Office Phone: [+90 242 310 2374](tel:+902423102374) Extension: 2374

Email: [tyildirim@akdeniz.edu.tr](mailto:tyildirim@akdeniz.edu.tr)

Web: <https://avesis.akdeniz.edu.tr/tyildirim>

Address: Akdeniz Üniversitesi Fen Fakültesi Biyoloji Bölümü 07058 Kampüs/Antalya

### International Researcher IDs

Publons / Web Of Science ResearcherID: C-4601-2016

Yoksis Researcher ID: 128262

### Education Information

Doctorate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Biyoloji, Turkey 2001 - 2005

Postgraduate, Middle East Technical University, Fen-Edebiyat Fakültesi, Biyolojik Bilimler, Turkey 1990 - 1992

Undergraduate, Middle East Technical University, Fen-Edebiyat Fakültesi, Biyolojik Bilimler, Turkey 1985 - 1990

### Foreign Languages

English, C1 Advanced

### Research Areas

Life Sciences, Plant Biology, Plant Tissue Culture, Biotechnology, Plant Biotechnology, Natural Sciences

### Academic Titles / Tasks

Assistant Professor, Akdeniz University, Faculty of Science, Department of Biology, 2018 - Continues

Assistant Professor, Akdeniz University, Faculty of Science, Department of Biology, 2008 - 2018

Research Assistant, Middle East Technical University, Fen-Edebiyat Fakültesi, Biyolojik Bilimler, 2001 - 2005

Research Assistant, Akdeniz University, Faculty of Science, Department of Biology, 1991 - 2001

### Academic and Administrative Experience

Deputy Head of Department, Akdeniz University, Faculty Of Science, Department of Biology, 2020 - 2023

Akdeniz University, Faculty of Science, Biyoloji , 2011 - 2014

Akdeniz University, Fen Edebiyat Fakültesi, Biyoloji Bölümü, 2008 - 2011

### Courses

Meslek Bilgisi ve Laboratuvar Güvenliđi, Undergraduate, 2023 - 2024, 2021 - 2022  
Temel Biyoistatistik, Undergraduate, 2023 - 2024, 2022 - 2023  
Mesleki Yabancı Dil I, Undergraduate, 2023 - 2024, 2021 - 2022  
Temel Biyoistatistik Uygulama, Undergraduate, 2023 - 2024, 2022 - 2023  
Bitki Doku Kültürü, Undergraduate, 2022 - 2023  
Mesleki Yabancı Dil III, Undergraduate, 2022 - 2023, 2021 - 2022  
Mesleki Yabancı Dil IV, Undergraduate, 2022 - 2023, 2021 - 2022  
Mesleki Yabancı Dil II, Undergraduate, 2021 - 2022, 2020 - 2021  
Bitki Doku Kültürü ve Uygulamaları, Postgraduate, 2018 - 2019  
Bitirme Çalışması I, Undergraduate, 2018 - 2019  
Bitki Biyoteknolojisi, Undergraduate, 2018 - 2019  
Biyolojide Uygulamalı İstatistik, Postgraduate, 2018 - 2019  
Plant Biotechnology, Undergraduate, 2018 - 2019  
Bitirme Çalışması II, Undergraduate, 2018 - 2019

## Advising Theses

YILDIRIM T., Direkt organogenesis yöntemi ile çoğaltılan kızılçam'da (*Pinus brutia* Ten.) sürgün gelişiminin optimize edilmesi, Postgraduate, S.Alpkan(Student), 2013

## Jury Memberships

Post Graduate, Yüksek Lisans Tez Jurisi, Akdeniz Üniversitesi, December, 2012  
Post Graduate, Yüksek Lisans Sınav Jürisi, Akdeniz Üniversitesi, June, 2011

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Exploring the larvicidal and repellent potential of Taurus Cedar (*Cedrus libani*) tar against the brown dog tick (*Rhipicephalus sanguineus sensu lato*)**  
Koç S., Gultekin Z. N., Kahraman S., Cengiz A., Polat B., Çalışkan C., Yıldırım T., Tufan Çetin Ö., Çetin H.  
MOLECULES, vol.28, no.23, pp.1-12, 2023 (SCI-Expanded)
- II. **Essential selection criteria for dual uses of red pea (*Lathyrus cicera* L.)**  
ADAK A., ÇANCI H., İnci N., CEYLAN F. O., Sari D., SARI H., YILDIRIM T., TOKER Ç.  
LEGUME RESEARCH, vol.42, no.1, pp.45-49, 2019 (SCI-Expanded)
- III. **Inheritance of Rose-Flowered Mutation in Chickpea (*Cicer arietinum* L.)**  
ÇANCI H., Ertoy İnci N., Ceylan Baloglu F. Ö., YILDIRIM T.  
JOURNAL OF AGRICULTURAL SCIENCES-TARIM BİLİMLERİ DERGİSİ, vol.23, no.2, pp.208-212, 2017 (SCI-Expanded)
- IV. **Androgenic responses of 64 ornamental pepper (*Capsicum annum* L.) genotypes to shed-microspore culture in the autumn season**  
Ari E., Bedir H., Yildirim S., Yildirim T.  
TURKISH JOURNAL OF BIOLOGY, vol.40, no.3, pp.706-717, 2016 (SCI-Expanded)
- V. **Comparison of different androgenesis protocols for doubled haploid plant production in ornamental pepper (*Capsicum annum* L.)**  
Ari E., Yildirim T., Mutlu N., Büyükalaca S., Gökmen U., Akman E.  
TURKISH JOURNAL OF BIOLOGY, vol.40, no.4, pp.944-954, 2016 (SCI-Expanded)
- VI. **ADDITIONAL NOTE ON INHERITANCE OF FE-DEFICIENCY CHLOROSIS IN CHICKPEA (*Cicer arietinum* L.)**

- ÇANCI H., İnci N. E., CEYLAN F. O., YILDIRIM T.  
TURKISH JOURNAL OF FIELD CROPS, vol.20, no.2, pp.155-158, 2015 (SCI-Expanded)
- VII. **INHERITANCE OF FEMALE STERILITY IN INDUCED Cicer SPECIES**  
YILDIRIM T., ÇANCI H., İnci N. E., BALOGLU F. O. C., İKTEN C., TOKER C.  
TURKISH JOURNAL OF FIELD CROPS, vol.18, no.1, pp.78-81, 2013 (SCI-Expanded)
- VIII. **INHERITANCE OF LEAF SHAPE IN THE CULTIVATED CHICKPEA (Cicer arietinum L.)**  
TOKER C., Ceylan F. O., İnci N. E., YILDIRIM T., ÇAĞIRGAN M. İ.  
TURKISH JOURNAL OF FIELD CROPS, vol.17, no.1, pp.16-18, 2012 (SCI-Expanded)
- IX. **INHERITANCE OF RESISTANCE TO IRON DEFICIENCY CHLOROSIS IN CHICKPEA (CICER ARIETINUM L.)**  
TOKER C., YILDIRIM T., Canci H., İnci N., Ceylan F. O.  
JOURNAL OF PLANT NUTRITION, vol.33, no.9, pp.1366-1373, 2010 (SCI-Expanded)
- X. **Evaluation of perennial wild Cicer species for drought resistance**  
Toker C., Çancı H., Yildirim T.  
GENETIC RESOURCES AND CROP EVOLUTION, vol.54, no.8, pp.1781-1786, 2007 (SCI-Expanded)
- XI. **Induction of embryogenic tissue and maturation of somatic embryos in Pinus brutia TEN**  
Yildirim T., Kaya Z., Işık K.  
PLANT CELL TISSUE AND ORGAN CULTURE, vol.87, no.1, pp.67-76, 2006 (SCI-Expanded)
- XII. **Annual shoot growth components related to growth of Pinus brutia**  
Işık F., Işık K., Yildirim T., Li B.  
TREE PHYSIOLOGY, vol.22, no.1, pp.51-58, 2002 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Assessment of leaf miner [Liriomyza cicerina Rond. (Diptera: Agromyzidae)] resistance in Cicer echinospermum P.H. Davis genotypes**  
SARI H., SARI D., ADAK A., ÇANCI H., İKTEN C., ERLER F., YILDIRIM T., TOKER C., KAHRAMAN A.  
Mediterranean Agricultural Sciences, vol.31, no.1, pp.1, 2018 (Peer-Reviewed Journal)
- II. **Cicer echinospermum P.H. Davis genotiplerinde nohut yaprak galeri sineğine [Liriomyza cicerina Rond. (Diptera: Agromyzidae)] dayanıklılığın değerlendirilmesi**  
SARI H., SARI D., Adak A., ÇANCI H., İKTEN C., ERLER F., YILDIRIM T., TOKER C., KAHRAMAN A.  
Mediterranean Agricultural Sciences, vol.31, no.1, pp.71-75, 2018 (Peer-Reviewed Journal)
- III. **Induction of embryogenic tissue from immature zygotic embryos in Pinus nigra subsp. Nigra var Caramanica (London) Businsky**  
Özkurt Z., YILDIRIM T., Önde S., Kaya Z.  
Turkish Journal of Botany, vol.32, no.3, pp.179-183, 2008 (Scopus)
- IV. **Estimates of broad-sense heritability for yield and yield criteria in chickpeas (Cicer arietinum)**  
Çancı H., YILDIRIM T., TOKER C.  
Turkish Journal of Field Crops, vol.12, no.1, pp.1-7, 2007 (Peer-Reviewed Journal)
- V. **Adventitious shoot regeneration from petioles with leaflets in potato (Solanum tuberosum)**  
Şahin N. V., YILDIRIM T., Yıldırım Z.  
Turkish Journal of Field Crops, vol.12, no.1, pp.21-25, 2007 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Bitkiler ve İnsanlar (Bölüm 2)**  
YILDIRIM T., Gökçeoğlu M.  
in: Bitki Biyolojisi, Kani Işık, Editor, Palme Yayıncılık, Ankara, pp.14-29, 2004
- II. **Orman gen kaynakları koruma stratejileri ve Cedrus libani üzerinde bazı öneriler**

Işık K., YILDIRIM T.

in: Çevre Sorunları, Biyolojik Çeşitlilik ve Orman Gen Kaynaklarımız, Kani Işık, Editor, Tema Vakfı, İstanbul, pp.179-195, 1999

## Refereed Congress / Symposium Publications in Proceedings

- I. **Induction of embryogenic tissues from immature embryos in *Pinus nigra* subsp. *pallasiana* Lamb.**  
Özkurt Z., YILDIRIM T.  
IUFRO Division 2 Joint Conference: Low input breeding and genetic conservation of forest tree species, Antalya, Turkey, pp.1
- II. **Strategies for conservation of forest gene resources and some recommendations on *Cedrus libani***  
Işık K., YILDIRIM T.  
International Cedar Symposium, Antalya, Turkey, pp.342
- III. **Biyoteknoloji Destekli Süs Biberi (*Capsicum annuum* L.) Islahı**  
ARI E., GOKMEN U., YILDIRIM T., MUTLU N., ISBİLEN Y., AKMAN E., BEDİR H., YILDIRIM S., BANKOĞLU M., KULA N.  
VII. Ulusal Bahçe Bitkileri Kongresi, Çanakkale, Turkey, 25 - 29 August 2015, pp.56
- IV. **Expanding the genetic diversity in *Cicer reticulatum* Ladiz., progenitor of cultivated chickpea**  
TOKER C., ÇANCI H., İNCİ N., CEYLAN F. O., İÇÖZ S. M., YILDIRIM T.  
Integrating Legume Biology for Sustainable Agriculture, European Conference on Grain Legumes, Lisbon, Portugal, 12 - 16 November 2007, pp.125
- V. **Screening and selection of faba bean (*Vicia faba* L.) for cold tolerance and comparison to *Vicia* species**  
TOKER C., ÇANCI H., İNCİ N., CEYLAN F. O., İÇÖZ S. M., YILDIRIM T.  
Integrating Legume Biology for Sustainable Agriculture, European Conference on Grain Legumes, Lisbon, Portugal, 12 - 16 November 2007, pp.178
- VI. **Expanding the genetic diversity in *Cicer reticulatum* Ladiz., progenitor of cultivated chickpea**  
TOKER C., ÇANCI H., İNCİ N., CEYLAN BALOĞLU F. Ö., İÇÖZ S. M., YILDIRIM T.  
Integrating Legume Biology for Sustainable Agriculture, European Conference on Grain Legumes, Lisbon, Portugal, 12 - 16 November 2007, pp.125
- VII. **Nodulation Mutants in Chickpea (*Cicer arietinum* L.)**  
TOKER C., ÇANCI H., İNCİ N., CEYLAN BALOĞLU F. Ö., İÇÖZ S. M., YILDIRIM T.  
European Association for Research on Plant Breeding Oil and Protein Crops Section Meeting, Budapest, Hungary, 7 - 10 October 2007, pp.38
- VIII. **Comparison of Field Pea (*Pisum sativum* L.) for Cold Tolerance to Wild Species**  
TOKER C., ÇANCI H., İNCİ N., CEYLAN F. O., İÇÖZ S. M., YILDIRIM T.  
European Association for Research on Plant Breeding Oil and Protein Crops Section Meeting, Budapest, Hungary, 7 - 10 October 2007, pp.31

## Supported Projects

TOKER C., SÖNMEZ S., UZUN B., KARHAN M., İKTEN C., SARI D., MUTLU N., ÇANCI H., YILDIRIM T., İNCİ N., et al., Project Supported by Higher Education Institutions, Yayın Süreklilik Desteği, 2016 - 2019

ARI E., YILDIRIM T., MUTLU N., Project Supported by Higher Education Institutions, Effects of Different Substrates and IBA Concentrations on Adventitious Rooting of Native *Vitex agnuscastus* L Cuttings, 2017 - 2018

YILDIRIM T., TUBITAK Project, Kızılçamın (*Pinus brutia* TEN.) klonal olarak çoğaltılması için somatik embriyogenez yönteminin optimize edilmesi, 2007 - 2010

## Metrics

Publication: 27

Citation (WoS): 137

Citation (Scopus): 192

H-Index (WoS): 7

H-Index (Scopus): 8