

## Lect. PhD DUYGU SARI YOL

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: C-2278-2016

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### Education Information

Post Doctorate, University of California, Davis, United States Of America 2022 - 2022

Doctorate, Akdeniz University, Faculty of Agriculture, Tarla Bitkileri, Turkey 2013 - 2020

Postgraduate, Akdeniz University, Faculty of Agriculture, Tarla Bitkileri, Turkey 2010 - 2013

Undergraduate, Akdeniz University, Fen-Edebiyat Fakültesi, Biyoloji, Turkey 2006 - 2010

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Development of genome-based SSR markers in chickpea (*Cicer arietinum* L.) and investigation of transferability to near-relative species, Akdeniz University, Faculty of Agriculture, Department of Field Crops, 2020

Postgraduate, Polymorphism of resistance gene analogs, peroxidase and WRKY transcription factors gene families in the genus *Lens* Miller, Akdeniz University, Tarla Bitkileri Anabilim Dalı, 2013

### Research Areas

Agricultural Sciences, Agriculture, Infield Plants, Legumes, Other Forage Crops, Biotechnology and Genetics, Molecular Genetics, Life Sciences, Plant Biology, Plant Breeding and Genetics, Molecular Biology and Genetics, Plant Molecular Genetics, Natural Sciences

### Academic Titles / Tasks

Lecturer PhD, Akdeniz University, Serik Gulsun-Suleyman Sural Vocational School, Department of Park and Garden Plants, 2020 - Continues

Research Assistant, Akdeniz University, Institute of Science, Tarla Bitkileri, 2011 - 2019

## Academic and Administrative Experience

Akdeniz University, Serik Gulsun-Suleyman Sural Vocational School, 2021 - Continues

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

- I. **Identification of Insertion and Deletion (InDel) Markers for Chickpea (*Cicer arietinum* L.) Based on Double-Digest Restriction Site-Associated DNA Sequencing**  
Sari D.  
Plants, vol.13, no.17, 2024 (SCI-Expanded)
- II. **Estimating genetic diversity among selected wild grapevine genotypes from Southern Turkey by simple sequence repeat (SSR) and inter-Primer Binding Site (iPBS) markers**  
İKTEN H., Sari D., Sabir A., MEYDAN H., MUTLU N.  
Genetic Resources and Crop Evolution, 2024 (SCI-Expanded)
- III. **The sect. *Tricherooides* in the genus *Knautia* (Caprifoliaceae) is more complex than known: an unusual new species from Türkiye**  
AYKURT C., Gülben M., Günaydin S., Sari D., GÖKTÜRK R. S., BERBEROĞLU E., Gülsoy S.  
Turkish Journal of Botany, vol.48, no.3, pp.135-144, 2024 (SCI-Expanded)
- IV. **Genome-wide discovery of di-nucleotide SSR markers based on whole genome re-sequencing data of *Cicer arietinum* L. and *Cicer reticulatum* Ladiz**  
Sari D., Sari H., İKTEN C., TOKER C.  
Scientific Reports, vol.13, no.1, 2023 (SCI-Expanded)
- V. **The Fastest and Most Reliable Identification of True Hybrids in the Genus *Pisum* L.**  
Sari H., Eker T., SARI YOL D., AKSOY M., BAKIR M., Dogdu V., TOKER C., ÇANCI H.  
LIFE-BASEL, no.11, 2023 (SCI-Expanded)
- VI. **Genomic-Mediated Breeding Strategies for Global Warming in Chickpeas (*Cicer arietinum* L.)**  
Jain S. K., Wettberg E. J. v., Punia S. S., Parihar A. K., Lamichaney A., Kumar J., Gupta D. S., Ahmad S., Pant N. C., Dixit G. P., et al.  
Agriculture (Switzerland), vol.13, no.9, 2023 (SCI-Expanded)
- VII. **Intraspecific versus interspecific crosses for superior progeny in *Cicer* species**  
Sari D., Sari H., Eker T., İKTEN C., UZUN B., TOKER C.  
Crop Science, vol.62, no.6, pp.2122-2137, 2022 (SCI-Expanded)
- VIII. **Deployment of *Cicer echinospermum* PH Davis for resistance to *Callosobruchus chinensis* L.**  
Eker T., ERLER F., Sari H., SARI YOL D., Berger J., TOKER C.  
JOURNAL OF PLANT DISEASES AND PROTECTION, vol.129, no.4, pp.843-851, 2022 (SCI-Expanded)
- IX. **Advantage of Multiple Pods and Compound Leaf in Kabuli Chickpea under Heat Stress Conditions**  
Eker T., SARI H., Sari D., ÇANCI H., ARSLAN M., AYDINOĞLU B., Ozay H., TOKER C.  
AGRONOMY-BASEL, vol.12, no.3, 2022 (SCI-Expanded)
- X. **A kabuli chickpea ideotype**  
Eker T., SARI YOL D., SARI H., TOSUN H. Ş., TOKER C.  
SCIENTIFIC REPORTS, vol.12, no.1, 2022 (SCI-Expanded)
- XI. **De novo super-early progeny in interspecific crosses *Pisum sativum* L. x *P. fulvum* Sibth. et Sm**  
SARI H., Sari D., Eker T., TOKER C.  
SCIENTIFIC REPORTS, vol.11, no.1, 2021 (SCI-Expanded)
- XII. **Phylogenetic relationships among *Pisum* L. species from Asia Minor inferred from pollen and seed coat morphology**  
Aydin H., Sari Yol D., Sari H., Eker T., Aykurt C., Toker C.  
GRANA, vol.60, no.5, pp.347-355, 2021 (SCI-Expanded)
- XIII. ***Cicer turcicum*: A New *Cicer* Species and Its Potential to Improve Chickpea**  
TOKER C., Berger J., Eker T., Sari D., SARI H., GÖKTÜRK R. S., Kahraman A., Aydin B., von Wettberg E. J.

FRONTIERS IN PLANT SCIENCE, vol.12, 2021 (SCI-Expanded)

- XIV. **Introgression of Resistance to Leafminer (*Liriomyza cicerina* Rondani) from *Cicer reticulatum* Ladiz. to *C. arietinum* L. and Relationships between Potential Biochemical Selection Criteria**  
CHRIGUI N., SARI D., SARI H., EKER T., CENGİZ M. F., İKTEN C., TOKER C.  
AGRONOMY-BASEL, vol.11, no.1, 2021 (SCI-Expanded)
- XV. **Inheritance and Expressivity of Neoplasm Trait in Crosses between the Domestic Pea (*Pisum sativum* subsp. *sativum*) and Tall Wild Pea (*Pisum sativum* subsp. *elatius*)**  
SARI H., SARI D., Eker T., AYDINOĞLU B., ÇANCI H., İKTEN C., GÖKTÜRK R. S., Zeybek A., BAKIR M., SMYKAL P., et al.  
AGRONOMY-BASEL, vol.10, no.12, 2020 (SCI-Expanded)
- XVI. **Taxonomic treatment and phylogenetic analysis of the family Potamogetonaceae in Turkey**  
Aykurt C., Fehrer J., Sarı Yol D., Kaplan Z., Bambasova V., Deniz İ. G., Aydemir E., İmir N.  
TAXON, vol.69, no.6, pp.1172-1190, 2020 (SCI-Expanded)
- XVII. **Integration of Extra-Large-Seeded and Double-Podded Traits in Chickpea (*Cicer arietinum* L.)**  
KIVRAK K. G., EKER T., SARI H., SARI D., AKAN K., AYDINOĞLU B., ÇATAL M., TOKER C.  
AGRONOMY-BASEL, vol.10, no.6, 2020 (SCI-Expanded)
- XVIII. **Screening and selection of accessions in the genus *Pisum* L. for resistance to pulse beetle (*Callosobruchus chinensis* L.)**  
ESEN A., SARI H., ERLER F., ADAK A., SARI D., EKER T., ÇANCI H., İKTEN C., Kahraman A., TOKER C.  
EUPHYTICA, vol.215, no.4, 2019 (SCI-Expanded)
- XIX. **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)
- XX. **Unveiling of suppressed genes in interspecific and backcross populations derived from mutants of *Cicer* species**  
CEYLAN F. O., ADAK A., SARI D., SARI H., TOKER C.  
CROP & PASTURE SCIENCE, vol.70, no.3, pp.254-262, 2019 (SCI-Expanded)
- XXI. **Registration of AWC 612M Chickpea Mutant Germplasm Line Resistant to Leaf Miner (*Liriomyza cicerina*)**  
TOKER C., ADAK A., SARI D., SARI H., CEYLAN F. O., ÇANCI H., İKTEN C., ERLER F., UPADHYAYA H. D.  
JOURNAL OF PLANT REGISTRATIONS, vol.13, no.1, pp.87-90, 2019 (SCI-Expanded)
- XXII. **Revealing of resistant sources in *Cicer* species to chickpea leaf miner, *Liriomyza cicerina* (Rondani)**  
Ceylan F. O., SARI H., SARI D., ADAK A., ERLER F., TOKER C.  
PHYTOPARASITICA, vol.46, no.5, pp.635-643, 2018 (SCI-Expanded)
- XXIII. **The Nutritional Content of Common Bean (*Phaseolus vulgaris* L.) Landraces in Comparison to Modern Varieties**  
CELMELI T., SARI H., ÇANCI H., SARI D., ADAK A., EKER T., TOKER C.  
AGRONOMY-BASEL, vol.8, no.9, 2018 (SCI-Expanded)
- XXIV. **Agro-morphological traits of *Cicer reticulatum* Ladizinsky in comparison to *C. echinospermum* PH Davis in terms of potential to improve cultivated chickpea (*C. arietinum* L.)**  
TALIP M., ADAK A., Kahraman A., BERGER J., SARI D., SARI H., PENMETSA R. V., von Wettberg E. J., COOK D. R., TOKER C.  
GENETIC RESOURCES AND CROP EVOLUTION, vol.65, no.3, pp.951-962, 2018 (SCI-Expanded)
- XXV. **Genetic Identification and Conservation of Local Turkish Grapevine (*Vitis vinifera* L.) Genotypes on the Edge of Extinction**  
SABIR A., İKTEN H., MUTLU N., SARI YOL D.  
ERWERBS-OBSTBAU, vol.60, no.1, pp.31-38, 2018 (SCI-Expanded)
- XXVI. **Screening of chickpea accessions for resistance against the pulse beetle, *Collosobruchus chinensis* L. (Coleoptera: Bruchidae)**  
EKER T., ERLER F., ADAK A., İMREK B., GUVEN H., TOSUN H. Ş., SARI D., SARI H., UPADHYAYA H. D., TOKER C., et al.  
JOURNAL OF STORED PRODUCTS RESEARCH, vol.76, pp.51-57, 2018 (SCI-Expanded)
- XXVII. **Eco-geographic distribution of *Cicer isauricum* PH Davis and threats to the species**

- TEKİN M., Sari D., ÇATAL M., İKTEN C., SMYKAL P., PENMETSA R. V., VON WETTBERG E. J., TOKER C.  
GENETIC RESOURCES AND CROP EVOLUTION, vol.65, no.1, pp.67-77, 2018 (SCI-Expanded)
- XXVIII. **Gene effects of *Cicer reticulatum* on qualitative and quantitative traits in the cultivated chickpea**  
Adak A., SARI YOL D., SARI H., TOKER C.  
PLANT BREEDING, vol.136, no.6, pp.939-947, 2017 (SCI-Expanded)
- XXIX. **Hybridization between the linear-leaved *Potamogeton* species in Turkey**  
AYKURT C., Fehrer J., SARI YOL D., Kaplan Z., Denize I. G., AYDEMİR E., İMİR N.  
AQUATIC BOTANY, vol.141, pp.22-28, 2017 (SCI-Expanded)
- XXX. **Transgressive segregations for yield criteria in reciprocal interspecific crosses between *Cicer arietinum* L. and *C. reticulatum* Ladiz.**  
KÖSEOĞLU K., Adak A., Sari D., SARI H., CEYLAN F. O., TOKER C.  
EUPHYTICA, vol.213, no.6, 2017 (SCI-Expanded)
- XXXI. **Genetic Identification and Conservation of Local Turkish Grapevine (*Vitis vinifera* L.) Genotypes on the Edge of Extinction.**  
Sabır A., İKTEN H., MUTLU N., SARI D.  
ERWERBS-OBSTBAU, no.59, pp.1-8, 2017 (SCI-Expanded)
- XXXII. **Eco-geographic distribution of *Cicer isauricum* P.H. Davis and threats to the species**  
TEKİN M., SARI D., ÇATAL M., İKTEN C., Symkal P., Penmetsa R. V., Von Wettberg E. J., TOKER C.  
GENETIC RESOURCES AND CROP EVOLUTION, vol.65, no.1, pp.67-77, 2017 (SCI-Expanded)
- XXXIII. **Resurrection of *Ornithogalum brevipedicellatum* (Asparagaceae) with morphological and molecular data**  
AYKURT C., DENİZ İ. G., Sari D., Vural M., SÜMBÜL H.  
ACTA BOTANICA CROATICA, vol.75, no.1, pp.60-66, 2016 (SCI-Expanded)
- XXXIV. **Assessment of resistance gene analog, peroxidase, and WRKY gene polymorphisms in the genus *Lens* Miller**  
Sari D., MUTLU N., TOKER C.  
TURKISH JOURNAL OF BOTANY, vol.40, no.2, pp.121-129, 2016 (SCI-Expanded)
- XXXV. **Morphological and molecular data reveal a new species of *Allium* (Amaryllidaceae) from SW Anatolia, Turkey**  
DENİZ İ. G., GENÇ İ., Sari D.  
PHYTOTAXA, vol.212, no.4, pp.283-292, 2015 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Agarose-Resolvable SSR Markers Based on ddRADSeq in Chickpea**  
SARI D.  
Black Sea Journal of Agriculture, vol.7, no.4, pp.399-406, 2024 (Peer-Reviewed Journal)
- II. **Effects of PEG-Induced Drought Stress and Different Boron Levels on Seed Germination and Seedling Growth Characteristics in Chickpea (*Cicer arietinum* L.) and Lentil (*Lens culinaris* Medik.)**  
Sarı D.  
Türkiye Tarımsal Araştırmalar Dergisi, vol.10, no.2, pp.154-161, 2023 (Peer-Reviewed Journal)
- III. **Effect of seed priming on germination of relict beautiful vavilov, *Vavilovia formosa* (Stev.) Al. Fed.**  
SARI H., SARI YOL D., EKER T., ZEYBEK A., TOKER C.  
Akdeniz Üniversitesi Ziraat Fakültesi Dergisi, vol.34, no.1, pp.101-108, 2021 (Peer-Reviewed Journal)
- IV. **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)
- V. ***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)
- VI. **Cicer echinospermum P.H. Davis genotiplerinde nohut yaprak galeri sineğine [Liriomyza cicerina Rond. (Diptera: Agromyzidae)] dayanıklılığın değerlendirilmesi**  
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Mediterranean Agricultural Sciences, vol.31, no.1, pp.71-75, 2018 (Peer-Reviewed Journal)
- VII. **Cicer echinospermum P.H. Davis genotiplerinde nohut yaprak galeri sineğine [Liriomyza cicerina Rond. (Diptera: Agromyzidae)] dayanıklılığın değerlendirilmesi**  
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Mediterranean Agricultural Sciences, vol.31, no.1, pp.71-75, 2018 (Peer-Reviewed Journal)
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Mediterranean Agricultural Sciences, vol.31, no.1, pp.71-75, 2018 (Peer-Reviewed Journal)
- X. **Cicer echinospermum P.H. Davis genotiplerinde nohut yaprak galeri sineğine [Liriomyza cicerina Rond. (Diptera: Agromyzidae)] dayanıklılığın değerlendirilmesi**  
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Mediterranean Agricultural Sciences, vol.31, no.1, pp.71-75, 2018 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Chickpea wild relatives: potential source of ancient genes for stress tolerance breeding**  
Bakır M., SARI YOL D., SARI H., Waqas M., RANA M. A.  
in: Wild Germplasm for Genetic Improvement in Crop Plants 1st Edition, Azhar M., Wani S., Editor, Elsevier Science, Oxford/Amsterdam , Amsterdam, pp.320-340, 2021

## Refereed Congress / Symposium Publications in Proceedings

- I. **Impact of Wild Cicer Species on Production under Climate Change**  
MARUF A., SARI D., SARI H., EKER T., TOKER C.  
Proceedings of The Third International Conference on Sustainable Innovation (ICoSI 2019), 30 - 31 July 2019
- II. **Diagnosis of ascochyta blight in Pisum sativum subsp. elatius via molecular techniques**  
TOKER C., SARI D., SARI H., Cat A., ÇATAL M.  
Uluslararası Katılımlı Türkiye VII. Bitki Koruma Kongresi, 14 - 17 October 2018
- III. **A new neoplasm in tall wild peas that cannot triggered by pea weevil, Bruchus pisorum L. (Bruchidae: Coleoptera)**  
TOKER C., SARI H., SARI D., İKTEN C.  
Uluslararası Katılımlı Türkiye VII. Bitki Koruma Kongresi, 14 - 17 October 2018
- IV. **Yerel ve Modern Fasulye (Phaseolus vulgaris L.) Çeşitlerinin Besin İçerikleri Bakımından Karşılaştırılması**  
TOKER C., SARI H., SARI D., ÇANCI H.  
International Congress on Agriculture and Animal Sciences, Antalya, Turkey, 7 - 09 November 2018, vol.-
- V. **Relationship between transgressive segregations and genetic distances based on SRR markers in Pisum species**  
TOKER C., BAKIR M., SARI H., SARI D., Adak A., Eker T., ÇANCI H., MUTLU N., Smykal P.

- VI. **Evaluation of Pisum Species for Resistance to the Pulse Beetle, Callosobruchus chinensis L.**  
SARI H., ESEN A., ERLER F., ADAK A., SARI D., EKER T., ÇANCI H., İKTEN C., KAHRAMAN A., TOKER C.  
1st International GAP Agriculture and Livestock Congress, UGAP 2018, Şanlıurfa, Turkey, 25 April - 27 June 2018, pp.222
- VII. **Evaluation of Pisum Species for Resistance to the Pulse Beetle, Callosobruchus chinensis L.**  
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- VIII. **Screening of chickpea accessions for resistance against the Chickpea leafminer, Liriomyza cicerina (Rondani)**  
SARI H., ERLER F., Ceylan F. Ö., SARI D., Adak A., İKTEN C., Kahraman A., TOKER C.  
1. International Gap Agriculture & Livestock Congress, Şanlıurfa, Turkey, 25 - 27 April 2018, vol.1, no.1, pp.222
- IX. **Evaluation of Pisum Species for Resistance to the Pulse Beetle, Callosobruchus chinensis L.**  
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- XIV. **Evaluation of Pisum species for resistance to the pulse beetle, Callosobruchus chinensis L.**  
SARI H., Esen A., ERLER F., Adak A., SARI D., Eker T., ÇANCI H., İKTEN C., Kahraman A., TOKER C.  
1. International Gap Agriculture & Livestock Congress, Şanlıurfa, Turkey, 25 - 27 April 2018, vol.1, no.1, pp.221
- XV. **Detection of Ascochyta Blight caused by Ascochyta Rabiei In Cicer Isauricum by using Internal Transcribed Spacer Sequences**  
SARI D., SARI H., ADAK A., ÇAT A., ÇATAL M., TOKER C.  
VIII. International Scientific Agricultural Symposium (Agrosym 2017), 5 - 08 October 2017, pp.208
- XVI. **Evaluation of chickpea genotypes for resistance against the pulse beetle, Callosobruchus chinensis L. (Coleoptera: Bruchidae).**  
ERLER F., EKER T., İMREK B., GÜVEN H., TOKER C., TOSUN H. Ş., SARI D., SARI H., ADAK A.  
International Congress of the New Approaches and Technologies for Sustainable Development, Isparta, Turkey, 21 - 24 September 2017, pp.326-327
- XVII. **Evaluation of chickpea genotypes for resistance against the pulse beetle, Callosobruchus chinensis L. (Coleoptera: Bruchidae).**  
ERLER F., EKER T., İMREK B., GÜVEN H., TOKER C., TOSUN H. Ş., SARI D., SARI H., ADAK A.  
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- XVIII. **Evaluation of chickpea genotypes for resistance against the pulse beetle, Callosobruchus chinensis L. (Coleoptera: Bruchidae).**

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ERLER F., Eker T., İmrek B., Güven H., TOKER C., TOSUN H. Ş., SARI D., SARI H., ADAK A.  
International Congress of the New Approaches and Technologies for Sustainable Development, Isparta, Turkey, 21 - 24 September 2017, vol.1, no.1, pp.326-327
- XX. **Transgressions in Reciprocal Interspecific Crosses between the Cultivated Pea and Its Wild Species.**  
Doğdu V., ÇANCI H., SARI H., SARI D., ADAK A., TOKER C.  
The 4th International Conference "Plant Genetics, Genomics, Bioinformatics and Biotechnology" (PlantGen2017), Almaty, Kazakhstan, 29 May - 02 June 2017, pp.24
- XXI. **Transgressions in Reciprocal Interspecific Crosses between the Cultivated Pea and Its Wild Species.**  
Doğdu V., ÇANCI H., SARI H., SARI D., ADAK A., TOKER C.  
The 4th International Conference "Plant Genetics, Genomics, Bioinformatics and Biotechnology" (PlantGen2017), Almaty, Kazakhstan, 29 May - 02 June 2017, pp.24
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The 4th International Conference "Plant Genetics, Genomics, Bioinformatics and Biotechnology" (PlantGen2017), Almaty, Kazakhstan, 29 May - 02 June 2017, pp.24
- XXIII. **Effect of interspecific hybridization between *C. arietinum* L. and *C. reticulatum* Ladiz. on the yield components**  
ADAK A., KOŞEOĞLU K., CEYLAN F. Ö., SARI D., SARI H., İKTEN C., TOKER C.  
2nd INTERNATIONAL BALKAN AGRICULTURE CONGRESS, Tekirdağ, Turkey, 16 - 18 May 2017
- XXIV. **Fruitful segregations in reciprocal interspecific crosses between the cultivated chickpea and its progenitor**  
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EUCARPIA Genetic Resources 2017, Montpellier, France, 8 - 11 May 2017, pp.1
- XXV. **Xenia and Metaxenia in Seeds of Interspecific Crosses among *Pisum* Species**  
ÇANCI H., SARI H., SARI D., ADAK A., Doğdu V., TOKER C.  
EUCARPIA, Section Genetic Resources, "Crop diversification in a changing world. Mobilizing the green gold of plant genetic resources", Montpellier, France, 8 - 11 May 2017, pp.140
- XXVI. **FRUITFUL SEGREGATIONS IN RECIPROCAL INTERSPECIFIC CROSSES BETWEEN THE CULTIVATED CHICKPEA AND ITS PROGENITOR**  
KÖŞEOĞLU K., ADAK A., SARI D., SARI H., CEYLAN BALOĞLU F. Ö., TOKER C.  
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- XXVII. **Xenia and Metaxenia in Seeds of Interspecific Crosses among *Pisum* Species**  
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- XXVIII. **Xenia and Metaxenia in Seeds of Interspecific Crosses among *Pisum* Species**  
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EUCARPIA, Section Genetic Resources, "Crop diversification in a changing world. Mobilizing the green gold of plant genetic resources", Montpellier, France, 8 - 11 May 2017, pp.140
- XXIX. **Distribution of wild *Pisum* species and the genus *Vavilovia* in Turkey**  
SARI H., SARI D., ADAK A., TOKER C.  
In International Symposium on Biodiversity and Edible Wild Species, Antalya, Turkey, 3 - 05 April 2017, pp.200
- XXX. **Ecogeography and breeding achievement of wild *Cicer* species in Turkey**  
ADAK A., SARI D., SARI H., TOKER C.  
International Symposium on Biodiversity and Edible Wild Species, Antalya, Turkey, 3 - 05 April 2017, pp.1
- XXXI. **Distribution of the genus *Lens* Miller in Turkey and its importance for plant breeding**

- SARI D., ADAK A., SARI H., TOKER C.  
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- XXXII. **Ecogeography and breeding achievement of wild Cicer species in Turkey**  
ADAK A., SARI D., SARI H., TOKER C.  
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SARI D., ADAK A., SARI H., TOKER C.  
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- XXXIV. **Distribution of wild Pisum species and the genus Vavilovia in Turkey**  
SARI H., SARI D., ADAK A., TOKER C.  
International Symposium on Biodiversity and Edible Wild Species, Antalya, Turkey, 3 - 05 April 2017, pp.200
- XXXV. **Interaction between Fe-deficiency chlorosis and temperature in chickpea (Cicer arietinum L.)**  
TOKER C., SARI D., SARI H., ÇANCI H., İNCİ N., CEYLAN F. Ö., SÖNMEZ S.  
Plant Nutrition, Growth Environment Interactions III, Vienna, Austria, 20 - 21 February 2017, pp.25
- XXXVI. **Interaction Between Fe-Deficiency Chlorosis and Temperature in Chickpea (Cicer arietinum L.)**  
TOKER C., SARI D., SARI H., ÇANCI H., İNCİ N., CEYLAN F. O., SÖNMEZ S.  
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- XXXVII. **Interaction Between Fe-Deficiency Chlorosis and Temperature in Chickpea (Cicer arietinum L.)**  
TOKER C., SARI D., SARI H., ÇANCI H., İNCİ N., CEYLAN F. O., SÖNMEZ S.  
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- XXXVIII. **Interaction Between Fe-Deficiency Chlorosis and Temperature in Chickpea (Cicer arietinum L.)**  
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Plant Nutrition, Growth & Environment Interactions III, Vienna, Austria, 20 - 21 February 2017, pp.1
- XL. **Morphological and molecular characterizations of Ascochyta blight caused by Ascochyta rabiei in Cicer anatolicum**  
SARI D., Berger J., Kahraman A., Aydogan A., Can C., Bukun B., Penmetsa R. V., von Wettberg E. J., TOKER C.  
Second International Legume Society Conference, Tróia, Portugal, 11 - 14 October 2016, pp.311
- XLI. **Interspecific hybridizations in cool season food legumes.**  
SARI D., TOKER C.  
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- XLII. **Diagnosis of biotic stresses of Cicer isauricum PH Davis based on molecular and morphological data**  
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- XLIII. **Genetic resources for resistance to ascochyta blight of chickpea**  
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TEKİN M., SARI D., Chrigui N., Talip M., TOKER C.  
Agenda Chickpea Innovation Lab 2016 Meeting, İzmir, Turkey, 30 May - 02 June 2016, pp.1
- XLV. **Use of different molecular markers for resistance to ascochyta blight in chickpea**  
SARI D., TOKER C.  
II. International Plant Breeding Congress and EUCARPIA – Oil and Protein Crops Section Conference, Antalya, Turkey, 1 - 06 November 2015, pp.149
- XLVI. **Türkiye Yabani Nohutları ve Islahta Kullanımı**  
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- XLVII. **Photosynthetic activity in Pisum species**  
SARI D., Smykal P., TOKER C.



- Eucarpia International Symposium on Protein Crops - V Meeting AEL, Pontevedra, Spain, 4 - 07 May 2015, pp.175
- XLVIII. **Chlorophyll content of the cultivated Lentil (*Lens culinaris* Medik.)**  
SARI D., Çetin A., Özüğür Z., CEYLAN BALOĞLU F. Ö., TOKER C.  
International Plant Breeding Congress, Antalya, Turkey, 10 - 14 November 2013, pp.186
- XLIX. **Resistance gene analog polymorphism in *Lens* species**  
Sari D., MUTLU N., TOKER C.  
European Biotechnology Congress, Bratislava, Slovakia, 16 - 18 May 2013, vol.24
- L. **Peroxidase gene polymorphism in *lens* and *Vicia* species**  
Sari D., TOKER C., MUTLU N.  
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SARI D., Çetin A., Özüğür Z., CEYLAN BALOĞLU F. Ö., TOKER C.  
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- LII. **Genetic diversity for resistance to abiotic and biotic stresses in wild *Cicer* species**  
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The 12th SABRAO Congress on Plant Breeding Towards 2025: Challenges in a Rapidly Changing World, Chiang Mai, Thailand, 13 - 16 January 2012, pp.135
- LIII. **Genetic diversity for resistance to abiotic and biotic stresses in wild *Cicer* species**  
TOKER C., İNCİ N., CEYLAN F. O., ÖZUĞUR Z., SARI D., KÖSEOĞLU K., İKTEN C.  
The 12th SABRAO Congress on Plant Breeding Towards 2025: Challenges in a Rapidly Changing World, Chiang Mai, Thailand, 13 - 16 January 2012, pp.135
- LIV. **Determination of genetics and inheritance of induced male and female sterility in chickpea: A new hypothesis**  
TOKER C., İNCİ N., CEYLAN F. O., ÖZUĞUR Z., SARI D., KÖSEOĞLU K., İKTEN C.  
The 12th SABRAO Congress on Plant Breeding Towards 2025: Challenges in a Rapidly Changing World, Chiang Mai, Thailand, 13 - 16 January 2012, pp.136
- LV. **Genetic diversity for resistance to abiotic and biotic stresses in wild *Cicer* species**  
TOKER C., İNCİ N., CEYLAN F. O., ÖZUĞUR Z., SARI D., KÖSEOĞLU K., İKTEN C.  
The 12th SABRAO Congress on Plant Breeding Towards 2025: Challenges in a Rapidly Changing World, Chiang Mai, Thailand, 13 - 16 January 2012, pp.135
- LVI. **Determination of genetics and inheritance of induced male and female sterility in chickpea: A new hypothesis**  
TOKER C., İNCİ N., CEYLAN F. O., ÖZUĞUR Z., SARI D., KÖSEOĞLU K., İKTEN C.  
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- LVII. **Determination of genetics and inheritance of induced male and female sterility in chickpea: A new hypothesis**  
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The 12th SABRAO Congress on Plant Breeding Towards 2025: Challenges in a Rapidly Changing World, Chiang Mai, Thailand, 13 - 16 January 2012, pp.136
- LVIII. **Weeds and struggle methods in cool season food legume crops**  
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