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Personal Information

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International Researcher IDs

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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. **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)
- II. **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)
- III. **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)
- IV. **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)
- V. **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)
- VI. **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)
- VII. **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)
- VIII. **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)
- IX. **Phylogenetic relationships among *Pisum* L. species from Asia Minor inferred from pollen and seed coat morphology**
Aydin H., Sarı Yol D., Sari H., Eker T., Aykurt C., Tokar C.
GRANA, vol.60, no.5, pp.347-355, 2021 (SCI-Expanded)
- X. ***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)
- XI. **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)
- XII. **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)
- XIII. **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., Imir N.
TAXON, vol.69, no.6, pp.1172-1190, 2020 (SCI-Expanded)

- XIV. **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)
- XV. **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)
- XVI. **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)
- XVII. **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)
- XVIII. **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)
- XIX. **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)
- XX. **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)
- XXI. **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)
- XXII. **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)
- XXIII. **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)
- XXIV. **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)
- XXV. **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)
- XXVI. **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)
- XXVII. **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)

- XXVIII. **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)
- XXIX. **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)
- XXX. **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)
- XXXI. **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)
- XXXII. **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. **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)
- II. **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)
- III. **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)
- IV. ***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)
- V. ***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)
- 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)
- VIII. ***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)

IX. 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)

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.

European Biotechnology Congress, Athens, Greece, 26 - 28 April 2018, vol.280

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.

SARI H., ESEN A., ERLER F., ADAK A., SARI D., EKER T., ÇANCI H., İKTEN C., KAHRAMAN A., TOKER C.

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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.

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- X. **Screening of chickpea accessions for resistance against the Chickpea leafminer, *Liriomyza cicerina* (Rondani)**
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- XII. **Screening of chickpea accessions for resistance against the Chickpea leafminer, *Liriomyza cicerina* (Rondani)**
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- XIII. **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.**
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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).**
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- XVIII. **Evaluation of chickpea genotypes for resistance against the pulse beetle, *Callosobruchus chinensis* L. (Coleoptera: Bruchidae).**
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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.
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- XXII. **Transgressions in Reciprocal Interspecific Crosses between the Cultivated Pea and Its Wild Species.**
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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., KOSEOĞLU 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**
KOSEOĞLU K., ADAK A., SARI D., SARI H., CEYLAN BALOĞLU F. Ö., TOKER C.
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**
KÖSEOĞLU K., ADAK A., SARI D., SARI H., CEYLAN BALOĞLU F. Ö., TOKER C.
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