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Education Information

Doctorate, Ankara University, Ziraat Fakültesi, Bitki Koruma Bölümü, Turkey 2010 - 2015

Postgraduate, Ankara University, Ziraat Fakültesi, Bitki Koruma Bölümü, Turkey 2007 - 2010

Undergraduate, Ankara University, Ziraat Fakültesi, Bitki Koruma Bölümü, Turkey 2003 - 2007

Dissertations

Doctorate, Türkiye'de *Pyrenophora teres* patotiplerinin belirlenmesi ve bazı yerel arpa çeşitleri ile yabani arpa (*Hordeum spontaneum*) populasyonlarına karşı tepkilerinin değerlendirilmesi, Ankara University, Fen Bilimleri Enstitüsü, Bitki Koruma (Dr), 2015

Postgraduate, Ankara koşullarında bazı korunga türlerinde görülen külleme hastalığı etmenlerinin belirlenmesi, Ankara University, Fen Bilimleri Enstitüsü, Bitki Koruma (YI) (Tezli), 2010

Research Areas

Agricultural Sciences

Academic Titles / Tasks

Associate Professor, Ankara University, Ziraat Fakültesi, Bitki Koruma Bölümü, 2020 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- Wild barley (*Hordeum spontaneum*) and landraces (*Hordeum vulgare*) from Turkey contain an abundance of novel *Rhynchosporium commune* resistance loci**
Clare S. J., Çelik Oğuz A., Effertz K., Karakaya A., Azamparsa M. R., Brueggeman R. S.
Theoretical and Applied Genetics, vol.136, no.1, pp.1-14, 2023 (SCI-Expanded)
- Increased levels of cell wall degrading enzymes and peptidases are associated with aggressiveness in a virulent isolate of *Pyrenophora teres* f. *maculata***
Emir M., ÖZKETEN A. Ç., Ozketen A. A., Oguz A., Huang M., KARAKAYA A., Rampitsch C., GÜNEL A.
JOURNAL OF PLANT PHYSIOLOGY, vol.279, 2022 (SCI-Expanded)
- Genetic diversity of *Pyrenophora teres* in Algeria**
Ahmed Lhadj W., Boungab K., Righi Assia F., ÇELİK OĞUZ A., KARAKAYA A., Ölmez F.

Journal of Plant Pathology, vol.104, no.1, pp.305-315, 2022 (SCI-Expanded)

- IV. **Genome-wide association mapping of *Pyrenophora teres f. maculata* and *Pyrenophora teres f. teres* resistance loci utilizing natural Turkish wild and landrace barley populations**
Clare S. J., Oguz A., Effertz K., Poudel R. S., See D., KARAKAYA A., Brueggeman R. S.
G3-GENES GENOMES GENETICS, vol.11, no.11, 2021 (SCI-Expanded)
- V. **Genetic diversity and mating-type frequency of *Exserohilum turcicum* in Turkey**
Turgay E. B., ÇELİK OĞUZ A., Olmez F., TUNALI B., KURT Ş., Akcali E., Baran B., Buyuk O., Helvacioğlu O., Enginsu S., et al.
JOURNAL OF PHYTOPATHOLOGY, vol.169, no.9, pp.570-576, 2021 (SCI-Expanded)
- VI. **Genetic variation and mating type distribution of *Rhynchosporium commune* in Turkey**
Oguz A., Olmez F., KARAKAYA A., Azamparsa M. R.
PHYSIOLOGICAL AND MOLECULAR PLANT PATHOLOGY, vol.114, 2021 (SCI-Expanded)
- VII. **Genetic Diversity of Barley Foliar Fungal Pathogens**
ÇELİK OĞUZ A., KARAKAYA A.
AGRONOMY-BASEL, vol.11, no.3, 2021 (SCI-Expanded)
- VIII. **Resistance of European Spring 2-Row Barley Cultivars to *Pyrenophora graminea* and Detection of Associated Loci**
Faccini N., Delbono S., ÇELİK OĞUZ A., Cattivelli L., Vale G., Tondelli A.
AGRONOMY-BASEL, vol.11, no.2, 2021 (SCI-Expanded)
- IX. **The Use of an Alternative Differential Set for Determination of *Pyrenophora teres f. maculata* Pathotypes**
Beishenkanova B., KARAKAYA A., Oguz A.
JOURNAL OF AGRICULTURAL SCIENCES-TARIM BİLİMLERİ DERGİSİ, vol.26, no.4, pp.395-405, 2020 (SCI-Expanded)
- X. **Genetic Diversity of Net Blotch Pathogens of Barley in Turkey**
Oguz A., ÖLMEZ F., KARAKAYA A.
INTERNATIONAL JOURNAL OF AGRICULTURE AND BIOLOGY, vol.21, no.5, pp.1089-1096, 2019 (SCI-Expanded)
- XI. **Identification of *Hordeum spontaneum* Genotypes Resistant to Net Blotch Disease**
Oguz A., KARAKAYA A., Duran R. M., Ozbek K.
JOURNAL OF AGRICULTURAL SCIENCES-TARIM BİLİMLERİ DERGİSİ, vol.25, no.1, pp.115-122, 2019 (SCI-Expanded)
- XII. **Seedling Response of Iranian Barley Landraces to *Pyrenophora teres f. teres* and *Pyrenophora teres f. maculata***
Oguz A., Rahim A., KARAKAYA A.
JOURNAL OF AGRICULTURAL SCIENCES-TARIM BİLİMLERİ DERGİSİ, vol.25, no.1, pp.86-92, 2019 (SCI-Expanded)
- XIII. **Resistance of wild barley (*Hordeum spontaneum*) and barley landraces to leaf stripe (*Drechslera graminea*)**
ÇELİK OĞUZ A.
PHYTOPATHOLOGIA MEDITERRANEA, vol.58, no.3, pp.485-495, 2019 (SCI-Expanded)
- XIV. **Mating type idiomorphs of *Pyrenophora teres* in Turkey**
ÇELİK OĞUZ A., ÖLMEZ F., KARAKAYA A.
ZEMDIRBYSTE-AGRICULTURE, vol.105, no.3, pp.271-278, 2018 (SCI-Expanded)
- XV. **Extracellular protease activity and glucose production in isolates of net blotch pathogens differing in virulence**
DİKİLİTAŞ M., ÇELİK OĞUZ A., KARAKAYA A.
ZEMDIRBYSTE-AGRICULTURE, vol.105, no.1, pp.89-94, 2018 (SCI-Expanded)
- XVI. **SEEDLING SEEDLING RESPONSE OF COMMONLY GROWN BARLEY CULTIVARS IN TURKEY TO SPOT BLOTCH DISEASE**
ÇELİK OĞUZ A., KARAKAYA A.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.26, no.11, pp.6734-6738, 2017 (SCI-Expanded)
- XVII. **Turkish barley landraces resistant to net and spot forms of *Pyrenophora teres***

ÇELİK OĞUZ A., KARAKAYA A., Ergun N., Sayim I.

PHYTOPATHOLOGIA MEDITERRANEA, vol.56, no.2, pp.217-223, 2017 (SCI-Expanded)

XVIII. **Pathotypes of Pyrenophora teres on barley in Turkey**

ÇELİK OĞUZ A., KARAKAYA A.

PHYTOPATHOLOGIA MEDITERRANEA, vol.56, no.2, pp.224-234, 2017 (SCI-Expanded)

Articles Published in Other Journals

- I. **Leaf Diseases of Wild Barley (*Hordeum spontaneum*) in Bingöl University Campus, Turkey**
SARAÇ SİVRİKAYA I., ÇELİK OĞUZ A., KARAKAYA A.
Springer Nature Switzerland, 2023 (Peer-Reviewed Journal)
- II. **Determination of Seedling Reactions of Some Barley Cultivars, Lines, and Wild Barley (*Hordeum spontaneum*) Genotypes to Cochliobolus Leaf Spot Disease**
KIZIL N., KARAKAYA A., ÇELİK OĞUZ A., ERGÜN N.
SELÇUK JOURNAL OF AGRICULTURE AND FOOD SCIENCES, vol.37, no.2, pp.371-388, 2023 (Peer-Reviewed Journal)
- III. **Barley stripe disease in Turkey - current situation**
YÜCELER H. S., KARAKAYA A., ÇELİK OĞUZ A.
Bioengineering Studies, 2022 (Peer-Reviewed Journal)
- IV. **Önemli Bir Arpa Patojeni: *Ramularia collo-cygni***
Aslan Z., Çelik Oğuz A., Karakaya A.
Dicle Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.11, no.1, pp.205-237, 2022 (Peer-Reviewed Journal)
- V. **Determination of The Seedling Reactions of Some Two-Rowed Barley Landraces Maintained at Osman Tosun Gene Bank to *Pyrenophora teres* F. Teres**
Araya A., Karakaya A., Çelik Oğuz A., Akdoğan G.
SELÇUK JOURNAL OF AGRICULTURE AND FOOD SCIENCES, vol.36, no.1, pp.20-26, 2022 (Peer-Reviewed Journal)
- VI. **The occurrence of barley (*Hordeum vulgare*) and wild barley (*H. spontaneum*) leaf diseases in Batman province and surrounding areas of Turkey**
SARAÇ SİVRİKAYA I., KARAKAYA A., ÇELİK OĞUZ A.
Selçuk Journal of Agriculture and Food Sciences, vol.35, pp.39-44, 2021 (Peer-Reviewed Journal)
- VII. **Diseases occurring on *Hordeum bulbosum* field populations at Bingöl province of Turkey**
KARAKAYA A., ÇELİK OĞUZ A., SARAÇ SİVRİKAYA I.
Works of the Faculty of Agriculture and Food Sciences, University of Sarajevo, 2021 (Peer-Reviewed Journal)
- VIII. **Determination of the Seedling Reactions of Six-rowed Barley Landrace to Spot Blotch Disease Incited by *Cochliobolus sativus***
ÇELİK OĞUZ A., AKDOĞAN G., KARAKAYA A.
Harran Tarım ve Gıda Bilimleri Dergisi, vol.23, no.4, pp.444-450, 2019 (Peer-Reviewed Journal)
- IX. **Elazığ İlinde Arpalarda Görülen Yaprak Hastalıkları**
SARAÇ I., KARAKAYA A., ÇELİK OĞUZ A.
Tarla Bitkileri Merkez Araştırma Enstitüsü Dergisi, vol.28, no.1, pp.1-6, 2019 (Peer-Reviewed Journal)
- X. **Arpada Önemli Bir Hastalık Ağ Benek Hastalığı**
KARAKAYA A., ÇELİK OĞUZ A.
Tarım Gündem, vol.9, no.49, pp.78-86, 2019 (Non Peer-Reviewed Journal)
- XI. **Bazı kavuzsuz arpa çeşit ve hatlarının *Cochliobolus* yaprak lekesi hastalığına karşı fide dönemi tepkilerinin değerlendirilmesi (Assessment of the seedling reactions of some hulless barley cultivars and genotypes to *Cochliobolus* spot blotch disease)**
BALCI S., KARAKAYA A., ÇELİK OĞUZ A., ERGÜN N., SAYİM İ., AYDOĞAN S.
Bitki Koruma Bülteni, vol.58, no.4, pp.221-226, 2018 (Peer-Reviewed Journal)
- XII. **Leaf Diseases Occurring on Barley Plants in Bala District of Ankara Province, Turkey**
ERTÜRK H., KARAKAYA A., ÇELİK OĞUZ A.

Ecological Life Sciences, vol.13, no.4, pp.204-207, 2018 (Peer-Reviewed Journal)

- XIII. **Evaluation of Some Agronomic Properties of Iranian Barley Landraces under Greenhouse Conditions**
RAHİMİ A., KARAKAYA A., ÇELİK OĞUZ A., ERGÜN N., AYDOĞAN S.
Works of the Faculty of Agriculture and Food Sciences, University of Sarajevo, vol.68, no.1, pp.9-19, 2018 (Peer-Reviewed Journal)
- XIV. **Leaf Diseases Occurring on Barley and Wheat Fields in Çubuk District of Ankara, Turkey**
İLGEN M. Z., KARAKAYA A., ÇELİK OĞUZ A.
Works of the Faculty of Agriculture and Food Sciences, University of Sarajevo, vol.67, no.2, pp.210-215, 2017 (Peer-Reviewed Journal)
- XV. **Evaluation of the Reactions of Some Hulless Barley Populations to Foliar Diseases under Field Conditions**
ÇELİK OĞUZ A., KARAKAYA A., SAYİM İ.
Works of the Faculty of Agriculture and Food Sciences, University of Sarajevo, vol.67, no.2, pp.203-209, 2017 (Peer-Reviewed Journal)
- XVI. **Determination of the Reactions of Iranian Barley Landrace Populations to Foliar Diseases under Field Conditions**
KARAKAYA A., ÇELİK OĞUZ A., AYDOĞAN S., RAHİMİ A.
Works of the Faculty of Agriculture and Food Sciences, University of Sarajevo, vol.67, no.2, pp.216-224, 2017 (Peer-Reviewed Journal)
- XVII. **Determination of the Reactions of Some Turkish Hulless Barley Lines to Drechslera graminea**
ÇELİK OĞUZ A., KARAKAYA A., ERGÜN N.
Works of the Faculty of Agriculture and Food Sciences, University of Sarajevo, vol.67, no.2, pp.196-202, 2017 (Peer-Reviewed Journal)
- XVIII. **Response of Iranian Barley Landraces to Drechslera graminea**
KARAKAYA A., ÇELİK OĞUZ A., RAHİMİ A.
Works of the Faculty of Agriculture and Food Sciences, University of Sarajevo, vol.67, no.2, pp.225-230, 2017 (Peer-Reviewed Journal)
- XIX. **Arpa (Hordeum vulgare L.) Köy Çeşitlerinde Tane Verimi ve Bazı Tarımsal Özelliklerin İncelenmesi**
ERGÜN N., SAYİM İ., AYDOĞAN S., KARAKAYA A., ÇELİK OĞUZ A.
Tarla Bitkileri Merkez Araştırma Enstitüsü Dergisi, vol.26, no.2, pp.180-189, 2017 (Peer-Reviewed Journal)
- XX. **Kırıkkale İlinde Buğday ve Arpa Ekim Alanlarında Görülen Fungal Yaprak Hastalıklarının Belirlenmesi**
ÖZDEMİR H. Y., KARAKAYA A., ÇELİK OĞUZ A.
Bitki Koruma Bülteni, vol.57, no.2, pp.89-112, 2017 (Peer-Reviewed Journal)
- XXI. **Rize İlinde Çay Bitkisinde Görülen Hastalıklar**
KARAKAYA A., ÇELİK OĞUZ A.
Harman Time, vol.5, no.50, pp.76-79, 2017 (Non Peer-Reviewed Journal)
- XXII. **Determination of the Reactions of Some Barley (Hordeum vulgare L.) Landraces and Cultivars to Drechslera graminea**
ÇELİK Y., KARAKAYA A., ÇELİK OĞUZ A., MERT Z., AKAN K., ERGÜN N., SAYİM İ.
Mediterranean Agricultural Sciences, vol.29, no.2, pp.43-47, 2016 (Peer-Reviewed Journal)
- XXIII. **Seedling Response of Gamma-ray Induced Advanced Barley Lines to Three Isolates of Drechslera teres f. teres**
ÇELİK OĞUZ A., KARAKAYA A., MERT Z., AYDIN G., PEŞKİRCİOĞLU H., TUTLUER İ., SAGEL Z.
Works of the Faculty of Agriculture and Food Sciences, University of Sarajevo, vol.61, no.66/1, pp.240-243, 2016 (Peer-Reviewed Journal)
- XXIV. **Pestalotiopsis Species Isolated from Tea and Kiwifruit Plants in Turkey**
ERTAŞ M. N., KARAKAYA A., ÇELİK OĞUZ A., BAŞTAŞ K. K.
Works of the Faculty of Agriculture and Food Sciences, University of Sarajevo, vol.61, no.66/1, pp.264-268, 2016 (Peer-Reviewed Journal)
- XXV. **Determination of the Diseases Occurring on Naturally Growing Wild Barley (Hordeum Spontaneum)**

Field Populations

KARAKAYA A., MERT Z., ÇELİK OĞUZ A., ERTAŞ M. N., KARAGÖZ A.

Works of the Faculty of Agriculture and Food Sciences, University of Sarajevo, vol.61, no.66/1, pp.291-295, 2016
(Peer-Reviewed Journal)

- XXVI. **Determination of the Seedling Reactions of Advanced Barley Lines to Spot Blotch Disease Caused by *Cochliobolus sativus***
ÇELİK OĞUZ A., KARAKAYA A., MERT Z., ERGÜN N., SAYIM İ., AYDOĞAN S.
Works of the Faculty of Agriculture and Food Sciences, University of Sarajevo, vol.61, no.66/1, pp.244-246, 2016
(Peer-Reviewed Journal)
- XXVII. **Distribution of Barley Stripe Disease in Central Anatolia Turkey**
KARAKAYA A., MERT Z., ÇELİK OĞUZ A., ÇETİN L.
Selcuk Journal of Agriculture and Food Sciences, vol.30, no.2, pp.59-61, 2016 (Peer-Reviewed Journal)
- XXVIII. **Pyrenophora teres'de Patojenik Varyasyon**
ÇELİK OĞUZ A., KARAKAYA A.
Mustafa Kemal Üniversitesi Ziraat Fakültesi Dergisi, vol.20, no.2, pp.83-102, 2015 (Peer-Reviewed Journal)
- XXIX. **Determination of the Seedling Reactions of Some Barley Cultivars to *Drechslera teres f. teres***
YAZICI B., KARAKAYA A., ÇELİK OĞUZ A., MERT Z.
Bitki Koruma Bülteni, vol.55, no.3, pp.239-245, 2015 (Peer-Reviewed Journal)
- XXX. **Assessment of the Seedling Reactions of Some Hulless Barley Genotypes to *Drechslera teres f. maculata***
GERLEGİZ E. T., KARAKAYA A., ÇELİK OĞUZ A., MERT Z., ERGÜN N., SAYIM İ., AYDOĞAN S.
Selcuk Journal of Agriculture and Food Sciences, vol.28, no.2, pp.63-68, 2014 (Peer-Reviewed Journal)
- XXXI. **Determination of the Seedling Reactions of Twenty Barley Cultivars to Six Isolates of *Drechslera teres f. maculata***
USTA P., KARAKAYA A., ÇELİK OĞUZ A., MERT Z., KADİR A., ÇETİN L.
Anadolu Tarım Bilimleri Dergisi, vol.29, no.1, pp.20-25, 2014 (Peer-Reviewed Journal)
- XXXII. **Bazı arpa genotiplerinin *Drechslera teres f. maculata* (Smed.-Pet., 1971)'ya karşı fide dönemi reaksiyonlarının belirlenmesi. (Assessment of the seedling reactions of some barley genotypes to *Drechslera teres f. maculata* (Smed.-Pet., 1971))**
AKTAŞDOĞAN D., KARAKAYA A., ÇELİK OĞUZ A., MERT Z., SAYIM İ., ERGÜN N., AYDOĞAN S.
Bitki Koruma Bülteni, vol.53, no.3, pp.175-183, 2013 (Peer-Reviewed Journal)
- XXXIII. **Korungada külleme hastalığına potansiyel dayanıklılık kaynakları (Potential Resistance Sources for Powdery Mildew Disease of Sainfoin)**
ÇELİK A., KARAKAYA A., AVCI S., SANCAK C., ÖZCAN S.
Bitki Koruma Bülteni, vol.52, no.2, pp.153-162, 2012 (Peer-Reviewed Journal)
- XXXIV. **Korungada külleme hastalığına potansiye dayanıklılık kaynakları**
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BİTKİ KORUMA BÜLTENİ, vol.52, pp.153-162, 2012 (Peer-Reviewed Journal)

Books & Book Chapters

I. **Karnal bunt (*Tilletia indica*) in wheat**

TURGAY E. B., ÇELİK OĞUZ A., ÖLMEZ F.

in: Climate Change and Food Security with Emphasis on Wheat, Munir Öztürk and Alvina Gül, Editor, Elsevier, Academic Press, pp.229-241, 2020

Refereed Congress / Symposium Publications in Proceedings

I. **Resistance breeding through genetic reservoirs of *Aegilops speltoides*.**

haydaroglu ü. s., KARAKAYA A., ÇELİK OĞUZ A.

Scientific Conference-'June 5th-World Environment Day'At: Bihaç-Bosnia and Herzegovina, Bosnia And Herzegovina, 9 - 10 June 2022

- II. **Barley and wild barley diseases from the Fertile Crescent**
SARAÇ SİVRİKAYA I., ÇELİK OĞUZ A., KARAKAYA A.
Seventh International Scientific Conference-'June 5th-World Environment Day'At: Bihaç-Bosnia and Herzegovina, Bosnia And Herzegovina, 9 - 10 June 2022
- III. **In search of resistance to barley stripe disease.**
YÜCELER H. S., ÇELİK OĞUZ A., KARAKAYA A.
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- IV. **Current Situation of Rice Blast Disease in Edirne, Turkey**
SEIDI M., KARAKAYA A., AKIN K., ÇELİK OĞUZ A.
In: Brka M., Omanovic-Miklicanin E., Karic L., Falan V., Toroman A. (eds) 30th Scientific-Experts Conference of Agriculture and Food Industry. AgriConf 2019. IFMBE Proceedings, vol 78. Springer, Cham (30th International Scientific-Expert Conference of Agriculture and Food Industry), Sarajevo, Bosnia And Herzegovina, 25 - 27 September 2019, vol.78, pp.92-97
- V. **Diseases Occurring on Hordeum Bulbosum Field Populations at Bingöl Province of Turkey**
KARAKAYA A., ÇELİK OĞUZ A., SARAÇ SİVRİKAYA I.
30th International Scientific-Expert Conference of Agriculture and Food Industry, Sarajevo, Bosnia And Herzegovina, 25 - 27 September 2019
- VI. **N-glycosylation Profiling of Pyrenophora teres f. maculata**
GÜNEL A., KAYILI H. M., EMİR M., SALİH B., ÇELİK OĞUZ A., KARAKAYA A.
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- VII. **A Preliminary Study of Rhynchosporium commune Genetic Diversity and Mating Type Distribution in Turkey**
GÜNEL A., KAYILI H. M., EMİR M., SALİH B., ÇELİK OĞUZ A., KARAKAYA A.
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- VIII. **Resistance in Six-rowed Barley Genotypes to Drechslera graminea**
KARAKAYA A., ÇELİK OĞUZ A., AKDOĞAN G.
International Conference on Advances in Plant Sciences 2019, Sarajevo, Bosnia And Herzegovina, 25 - 26 April 2019
- IX. **Comparative View on Two Pyrenophora teres f. maculata Races via Proteome Profiling Identifies Small Secreted Effector Candidates**
GÜNEL A., ANDAÇ A., ÖZKETEN A., EMİR M., MERAL Ş., ÇELİK OĞUZ A., RAMPİTSCH C., KARAKAYA A.
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- X. **Leaf Diseases Occurring on Barley Plants in Bala District of Ankara Province, Turkey**
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- XI. **Assessment of the Seedling Reactions of Some Six-rowed Barley Landraces to Pyrenophorateres f. teres.**
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- XII. **Determination of Seedling Reactions of Some Six-rowed Barley Landraces to Spot Blotch Disease.**
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- XIII. **Leaf Diseases Occuring on Barley and Wheat Fields in Çubuk District of Ankara, Turkey**
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28th International Scientific-Expert Conference of Agriculture and Food Industry, Sarajevo, Bosnia And

Herzegovina, 27 - 29 September 2017, pp.113

- XIV. **Determination of the Reactions of Some Hulless Barley Lines to Drechslera graminea**
ÇELİK OĞUZ A., KARAKAYA A., ERGÜN N.
28th International Scientific-Expert Conference of Agriculture and Food Industry, Sarajevo, Bosnia And Herzegovina, 27 September - 29 December 2017, pp.85
- XV. **Response of Iranian Barley Landraces to Drechslera graminea**
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- XVI. **Evaluation of the Reactions of Some Hulless Barley Populations to Foliar Diseases under Field Conditions**
ÇELİK OĞUZ A., KARAKAYA A., SAYİM İ.
28th International Scientific-Expert Conference of Agriculture and Food Industry, Sarajevo, Bosnia And Herzegovina, 27 - 29 September 2017, pp.86
- XVII. **Evaluation of Some Agronomic Properties of Iranian Barley Landraces under Greenhouse Conditions**
RAHİMİ A., KARAKAYA A., ÇELİK OĞUZ A.
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- XVIII. **Determination of the Reactions of Iranian Barley Landrace Populations to Foliar Diseases under Field Conditions**
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- XIX. **Assessment of the Seedling Reactions of Some Hulless Barley Cultivars and Genotypes to Cochliobolus Leaf Spot Disease**
BALCI S., KARAKAYA A., ÇELİK OĞUZ A., ERGÜN N., SAYİM İ., AYDOĞAN S.
International Conference on Agriculture, Forest, Food Sciences and Technologies, Nevşehir, Turkey, 15 - 17 May 2017, pp.280
- XX. **Seedling Response of Iranian Barley Landraces to Pyrenophora teres f. teres and Pyrenophora teres f. maculata**
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