



# MÜRSEL ÇATAL

## PROF.

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Bölümü II. Blok, 07058, Kampüs, ANTALYA

### International Researcher IDs

ScholarID: rrHb3e0AAAAJ

ORCID: 0000-0001-6505-3208

Publons / Web Of Science ResearcherID: C-5724-2016

ScopusID: 16416507300

Yoksis Researcher ID: 176863



## Learning Knowledge

Doctorate  
1997 - 2002

Michigan State University, Doga Bilimleri/Natural Sciences, Botanik Ve  
Fitopatoloji/Botany And Plant Pathology, United States Of America

Postgraduate  
1994 - 1996

Michigan State University, Doga Bilimleri/Natural Sciences, Botanik Ve  
Fitopatoloji/Botany And Plant Pathology, United States Of America

Undergraduate  
1986 - 1990

Ankara University, Ziraat Fakültesi, Bitki Koruma, Turkey

## Foreign Languages

English, C1 Advanced

## Dissertations

Doctorate, Development and Testing of Oligonucleotide Probes for Detection and Identification of Some Fungal Pathogens and Endophytes of Conifers., Michigan State University, College Of Natural Sciences, Botany And Plant Pathology, 2002

Postgraduate, Induced Alternative Oxidase Activity and Attenuation of Virulence in Respiratory Mutants of Fusarium oxysporium f. sp. basilicum and Colletotrichum coccodes, Michigan State University, College Of Natural Sciences, Botany And Plant Pathology, 1996

## Academic Titles / Tasks

Associate Professor  
2017 - Continues

Akdeniz University, Faculty of Agriculture, Department of Plant Protection

Assistant Professor  
2010 - 2017

Akdeniz University, Faculty of Agriculture, Department of Plant Protection

Lecturer  
2004 - 2010

Michigan State University, Natural Sciences, Botany And Plant Pathology

Research Assistant  
2001 - 2004

Michigan State University, Natural Sciences, Botany And Plant Pathology

Research Assistant  
1993 - 2000

Tokat Gaziosmanpaşa University, Faculty Of Agriculture, Bitki Koruma

Research Assistant  
1991 - 1993

Ankara University, Ziraat Fakültesi, Bitki Koruma

## Supported Projects

1. KAPLAN M., ÇATAL M., MALTAŞ A. Ş., ÇAT A., Project Supported by Higher Education Institutions, Antalya ilinde kullanılan büyükbaş hayvan gübrelerindeki bitki besin elementi düzeyleri ile yabancı ot ve patojen mikroorganizma varlığının belirlenmesi, 2018 - 2022
2. Çatal M., AKAR T., TÜBİTAK Project, Molecular Characterization of Puccinia striiformis f. sp. tritici Races and Pyramiding of Yellow Rust Resistance Genes in Wheat, 2017 - 2022
3. ÇATAL M., AKAR T., TEKİN M., ÇAT A., Project Supported by Higher Education Institutions, Akdeniz ve Ege Bölgesinde Yetiştirilen Buğdaylarda Sarı Pas (Puccinia striiformis f. sp. tritici) Irklarının Belirlenmesi, 2017 - 2021
4. ÇATAL M., ÇOMAK T., Project Supported by Higher Education Institutions, Afyonkarahisar İli Patates Alanlarında Kuru Çürüklük Hastalığı Etmeni Fusarium Türlerinin Moleküler Tanılaması, 2019 - 2020
5. YOL E., İKTEN C., UZUN B., ÜSTÜN R., ÇATAL M., Project Supported by Higher Education Institutions, Screening selection and realtime qPCR validation for phytoplasma resistance in sesame Sesamum indicum L, 2018 - 2020
6. ÇATAL M., AKAR T., AKAN K., AKSOY A., Project Supported by Higher Education Institutions, Buğdayda Puccinia Striiformis F Sp Tritici Irklarının Moleküler Tanımlanması ve Sarı Pasa Dayanıklılık Sağlayan Genlerin Piramitlenmesi, 2018 - 2020
7. YOL E., UZUN B., İKTEN C., ÇATAL M., Project Supported by Higher Education Institutions, Yayın teşvik, 2016 - 2020
8. TOKER C., İKTEN C., ÇATAL M., Project Supported by Higher Education Institutions, Transgressive segregations for yield criteria in reciprocal interspecific crosses between Cicer arietinum L and C reticulatum Ladiz, 2018 - 2019
9. UZUN B., TOKER C., YOL E., İKTEN C., ÇATAL M., Project Supported by Higher Education Institutions, Multiplex Real Time qPCR Assay for Simultaneous and Sensitive Detection of Phytoplasmas in Sesame Plants and Insect Vectors, 2017 - 2019
10. ERKAN M., ÇAT A., DOĞAN A., ÇATAL M., ÇAM İ. B., Project Supported by Higher Education Institutions, Depolama öncesi yüksek konsantrasyonlarda CO2 uygulamalarının Bursa Siyahı incir çeşidinin muhafaza süresi ve kalitesi üzerine etkileri, 2017 - 2019
11. CENGİZ M. F., ÇATAL M., ERLER F., Bilgin A. K., Project Supported by Higher Education Institutions, The effects of heat treatment on the degradation of the organophosphate pesticide chlorpyrifosethyl in tomato homogenate, 2017 - 2019
12. ÇATAL M., Ateş D., Project Supported by Higher Education Institutions, Antalya ili Korkuteli ilçesi Mantar Üretim

- Alanlarında Yaygın Görülen Bazı Fungal Hastalık Etmenlerinin Moleküler Karakterizasyonu, 2017 - 2018
13. ÇATAL M., Project Supported by Other Official Institutions, Kültür Mantarlarında Yaygın Kabarcık Etmenlerine Karşı Biyofungusit Gelistirilmesi, 2014 - 2016
  14. ERKAN M., ÇATAL M., EU Supported Other Project, '0900 Ziraat' Kiraz Çeşidinde İhracatı Geliştirmeye Yönelik Hasat Sonrası Ozon ve Farklı Paketleme Uygulamalarının Etkilerinin Araştırılması, 2014 - 2016
  15. ÇATAL M., İKTEN C., TUBITAK Project, Susamda Phyllody Hastalığına Dayanıklılık İçin Seleksiyon, 2011 - 2014
  16. ÇATAL M., Other International Funding Programs, Analyzing the impact to Colorado blue spruce quality in Michigan landscapes nurseries and Christmas tree industry from Stigminia and Rhizosphaera needlecasts, 2011 - 2011
  17. ÇATAL M., Other International Funding Programs, Searching for invasive pathogens of Alnusincana in the Alaska alder mortality, 2009 - 2009
  18. ÇATAL M., Other International Funding Programs, Comparing the Alaskan Alder Pathogen to those in Lower United States, 2008 - 2009
  19. ÇATAL M., Other International Funding Programs, Incidence and Distribution of Bacterial Leaf Scorch of Hardwoods in the North Central and Plains States., 2008 - 2009
  20. ÇATAL M., Other International Funding Programs, Alder Dieback and Mortality in Rocky Mountains and Alaska, 2007 - 2009
  21. ÇATAL M., Other International Funding Programs, Detecting and Characterizing "super races" of Phytophthorainfestans, the Late blight pathogen of potato, 2007 - 2008
  22. ÇATAL M., Other International Funding Programs, Assessment of Decline and Contributing Diseases in White Ash Stands in Michigan Forests -Molecular approaches., 2007 - 2008
  23. ÇATAL M., Other International Funding Programs, Evaluation of Douglas Fir Seed sources for resistance to Rhabdocline needlecast disease by real-time PCR., 2007 - 2008
  24. ÇATAL M., Other International Funding Programs, Determining how to grow red and Jack pine seedlings in Michigan free of the latent pathogen Sphaeropsis sapinea, 2006 - 2006
  25. ÇATAL M., Other International Funding Programs, Application of Real-Time Polymerase Chain Reaction for Detection and Quantification of Fusarium in Wheat, 2004 - 2006
  26. ÇATAL M., Other International Funding Programs, Application of Real-time PCR for detection and identification of soybean pathogens, 2003 - 2004
  27. ÇATAL M., Other International Funding Programs, PCR detection and Identification of some important fungal pathogens that cause diseases in grapevines in Michigan, 2003 - 2003

## Awards

1. ÇATAL M., Certificate of Appreciation For Pioneering Work in the Molecular Identification of World Wide Phytophthoras, United States Department of Agriculture, March 2009
2. ÇATAL M., New pathology findings associated with alder in Alaska Most Exciting Science" category of the poster competition winner, United States Department of Agriculture Forest Service, March 2009

## Jury Memberships

Doctorate, Doctorate, Akdeniz Üniversitesi, June, 2021

Post Graduate, Post Graduate, Akdeniz Üniversitesi, June, 2021

Doctorate, Doctorate, Akdeniz Üniversitesi, April, 2021

Post Graduate, Mehmet Sönmez Yüksek lisans tezi, Akdeniz Üniversitesi, Fen Bil. Enst. TBBB anabilim dalı, June, 2014

Post Graduate, Post Graduate, Akdeniz Üniversitesi, December, 2012

Post Graduate, Post Graduate, Akdeniz Üniversitesi, November, 2010

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

- 1. Molecular characterizations of *Verticillium dahliae* isolates from grafted tomatoes grown in Antalya province of Türkiye**  
Akar H., Cat A., Catal M.  
Journal of Phytopathology, vol.172, no.1, 2024 (SCI-Expanded)
- 2. Races of *Puccinia striiformis* f. sp. *tritici* identified from the coastal areas of Turkey**  
Cat A., Tekin M., Akan K., Akar T., Çatal M.  
CANADIAN JOURNAL OF PLANT PATHOLOGY, vol.43, 2021 (SCI-Expanded)
- 3. Molecular identification of fungi causing major diseases in the cultivated mushroom production facilities of Korkuteli District in Antalya**  
Ates D., Cat A., ÇATAL M.  
JOURNAL OF PLANT PATHOLOGY, vol.103, no.2, pp.619-628, 2021 (SCI-Expanded)
- 4. A New Virulent Race of Wheat Stripe Rust Pathogen (*Puccinia striiformis* f. sp. *tritici*) on the Resistance Gene Yr5 in Turkey**  
Tekin M., Çat A., Çatal M., Akar T.  
Plant Disease, vol.105, no.10, pp.3292, 2021 (SCI-Expanded)
- 5. 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)
- 6. First report of *Stagonospora nodorum* blotch caused by *Parastagonospora nodorum* on emmer wheat (*Triticum dicoccum* Schrank) in Turkey**  
Cat A., TEKİN M., AKAR T., ÇATAL M.  
JOURNAL OF PLANT PATHOLOGY, vol.101, no.2, pp.433, 2019 (SCI-Expanded)
- 7. Spruce Decline and Diaporthe: Incidence, Taxonomy, Virulence, and Tree Susceptibility in Michigan**  
MCTAVISH C. K., ÇATAL M., Fulbright D. W., Jarosz A. M.  
PLANT DISEASE, vol.102, no.11, pp.2330-2340, 2018 (SCI-Expanded)
- 8. Eco-geographic distribution of *Cicer isauricum* PH Davis and threats to the species**  
TEKİN M., Sari D., ÇATAL M., İKTEN C., SMYKAL P., PENMETS A. R. V., VON WETTBERG E. J., TOKER C.  
GENETIC RESOURCES AND CROP EVOLUTION, vol.65, no.1, pp.67-77, 2018 (SCI-Expanded)
- 9. Screening, selection and real-time qPCR validation for phytoplasma resistance in sesame (*Sesamum indicum* L.)**  
ÜSTÜN R., YOL E., İKTEN C., ÇATAL M., UZUN B.  
EUPHYTICA, vol.213, no.7, 2017 (SCI-Expanded)
- 10. Multiplex Real-Time qPCR Assay for Simultaneous and Sensitive Detection of Phytoplasmas in Sesame Plants and Insect Vectors**  
İKTEN C., ÜSTÜN R., ÇATAL M., YOL E., UZUN B.  
PLOS ONE, vol.11, no.5, 2016 (SCI-Expanded)
- 11. EFFICACY OF COLOURED STICKY TRAPS IN CAPTURING MUSHROOM FLIES (DIPTERA: PHORIDAE, SCIARIDAE AND SCATOPSIDAE)**  
ŞAHİN İ., ERLER F., ÇATAL M.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.25, no.12A, pp.6106-6110, 2016 (SCI-Expanded)
- 12. The effects of heat treatment on the degradation of the organophosphate pesticide chlorpyrifos-ethyl in tomato homogenate**  
CENGİZ M. F., ÇATAL M., ERLER F., BİLGİN A. K.  
QUALITY ASSURANCE AND SAFETY OF CROPS & FOODS, vol.7, no.4, pp.537-544, 2015 (SCI-Expanded)
- 13. Molecular identification, characterization and transmission of phytoplasmas associated with sesame phyllody in Turkey**  
İKTEN C., ÇATAL M., YOL E., ÜSTÜN R., Furat S., TOKER C., UZUN B.  
EUROPEAN JOURNAL OF PLANT PATHOLOGY, vol.139, no.1, pp.217-229, 2014 (SCI-Expanded)
- 14. Rapid and sensitive determination of the prochloraz residues in the cultivated mushroom, *Agaricus***

### **bisporus (Lange) Imbach**

CENGİZ M. F., ÇATAL M., ERLER F., Bilgin A. K.

ANALYTICAL METHODS, vol.6, no.6, pp.1970-1976, 2014 (SCI-Expanded)

15. **Real-time quantitative PCR assays for evaluation of soybean varieties for resistance to the stem and root rot pathogen *Phytophthora sojae***  
ÇATAL M., ERLER F., Fulbright D. W., Adams G. C.  
EUROPEAN JOURNAL OF PLANT PATHOLOGY, vol.137, no.4, pp.859-869, 2013 (SCI-Expanded)
16. **Strong Genetic Differentiation Between North American and European Populations of *Phytophthora alni* subsp. *uniformis***  
AGUAYO J., ADAMS G. C., HALKETT F., ÇATAL M., HUSSON C., NAGY Z. A., Hansen E. M., MARCAIS B., FREY P.  
PHYTOPATHOLOGY, vol.103, no.2, pp.190-199, 2013 (SCI-Expanded)
17. **Control of Mushroom Sciarid Fly *Lycoriella ingenua* Populations With Insect Growth Regulators Applied by Soil Drench**  
Erler F., POLAT E., DEMİR H., ÇATAL M., Tuna G.  
JOURNAL OF ECONOMIC ENTOMOLOGY, vol.104, no.3, pp.839-844, 2011 (SCI-Expanded)
18. **Heterokaryotic Nuclear Conditions and a Heterogeneous Nuclear Population are Observed by Flow Cytometry in *Phytophthora infestans***  
Catal M., King L., Tumbalam P., Wiriyajitsomboon P., Kirk W. W., Adams G. C.  
CYTOMETRY PART A, vol.77A, no.8, pp.769-775, 2010 (SCI-Expanded)
19. **Evaluation of Resistance to Rhabdochloa Needlecast in Douglas Fir Variety Shuswap, with Quantitative Polymerase Chain Reaction**  
Catal M., Adams G. C., Fulbright D. W.  
PHYTOPATHOLOGY, vol.100, no.4, pp.337-344, 2010 (SCI-Expanded)
20. **Detection of *Eutypa lata* and *Eutypella vitis* in grapevine by nested multiplex polymerase chain reaction**  
Catal M., JORDAN S. A., BUTTERWORTH S. C., SCHILDER A. M. C.  
PHYTOPATHOLOGY, vol.97, no.6, pp.737-747, 2007 (SCI-Expanded)
21. **Partial characterization of epiphytic microorganisms on blueberry fruit: Enzyme production and biocontrol potential**  
Jordan S. A., SABARATNAM S., Catal M., Schilder A.  
PHYTOPATHOLOGY, vol.96, no.6, 2006 (SCI-Expanded)
22. **Discovery of forest stands, seed lots, and seedlings of *Pinus resinosa* free of *Diplodia* spp.**  
Adams G. C., Catal M.  
PHYTOPATHOLOGY, vol.96, no.6, 2006 (SCI-Expanded)
23. **A PCR-based method to distinguish *Eutypa lata* and *Eutypella vitis* from grapevine**  
Jordan S. A., Catal M., Butterworth S. C., Schilder A. M. C.  
PHYTOPATHOLOGY, vol.96, no.6, 2006 (SCI-Expanded)

### **Articles Published in Other Journals**

1. **Identification of Seedborne Fungi on Soybean (*Glycine max* L.) Seeds Grown in Mediterranean Region of Turkey**  
ÜSTÜN R., ÇAT A., ÇATAL M., UZUN B.  
Türkiye Tarımsal Araştırmalar Dergisi, vol.8, no.3, pp.367-373, 2021 (Peer-Reviewed Journal)
2. **Türk arpa (*Hordeum vulgare* L.) köy çeşitlerinin külemeye karşı dayanıklılığın belirlenmesi**  
TEKİN M., ÇAT A., ÇATAL M., AKAR T.  
AKDENİZ ÜNİVERSİTESİ ZİRAAT FAKÜLTESİ DERGİSİ, vol.31, no.3, pp.219-225, 2018 (Peer-Reviewed Journal)
3. **İstiridye mantarının (*Pleurotus ostreatus*) tohumluk misel üretimi üzerine bir ön çalışma**  
ÇAT A., ÇOMAK T., ÇATAL M.  
Mediterranean Agricultural Sciences, vol.31, no.1, 2018 (Peer-Reviewed Journal)

4. **Buğdayda sarı pas hastalığı ve dayanıklılık ıslahı çalışmaları**  
ÇAT A., TEKİN M., ÇATAL M., Akan K., AKAR T.  
AKDENİZ ÜNİVERSİTESİ ZİRAAT FAKÜLTESİ DERGİSİ, vol.30, no.2, pp.97-105, 2017 (Peer-Reviewed Journal)
5. **Phomopsis Spruce Decline**  
FULBRIGHT D. W., ÇATAL M., Stadt S., Jarosz A., Cregg B., O'Donnell J.  
The Michigan Landscape, vol.54, no.5, pp.30-32, 2012 (Non Peer-Reviewed Journal)
6. **Frequency distribution of sesame phyllody disease associated with phytoplasmas in Antalya province of Turkey**  
İKTEN C., YOL E., ÇATAL M., UZUN B.  
Phytopathogenic mollicutes, vol.1, no.2, pp.1-2, 2011 (Scopus)
7. **Spruce Declining Rapidly around Michigan**  
FULBRIGHT D. W., ÇATAL M., Stadt S., O'Donnell J.  
Great Lakes Christmas Tree Journal, vol.2, no.2, pp.12-15, 2011 (Non Peer-Reviewed Journal)
8. **Frequency distribution of sesame phyllody disease associated with phytoplasmas in Antalya province of Turkey**  
İKTEN C., YOL E., ÇATAL M., UZUN B.  
Phytopathogenic Mollicutes, no.1, pp.101-102, 2011 (Scopus)
9. **Phytophthora alni subsp. uniformis Found in Alaska Beneath Thinleaf Alders.**  
Gerard G., ÇATAL M., Trummer L., Hansen E., Reeser P., Worrall J.  
Plant Health Progress, no.12, pp.1-3, 2008 (ESCI)
10. **Time to manage needle cast diseases of Douglas fir and spruce**  
FULBRIGHT D. W., ÇATAL M., O'Donnell J.  
MSU Landscape Alert newsletter, vol.22, no.4, pp.4, 2007 (Non Peer-Reviewed Journal)
11. **Christmas tree disease update**  
FULBRIGHT D. W., ÇATAL M., O'Donnell J.  
MSU Landscape Alert newsletter, vol.21, no.7, pp.1, 2006 (Non Peer-Reviewed Journal)
12. **Protecting Michigan forests from the introduction of Sudden Oak Death**  
ADAMS G. C., ÇATAL M.  
Michigan State University Extension Bulletin, vol.1, no.1, pp.42, 2003 (Non Peer-Reviewed Journal)
13. **Is a more virulent Sphaeropsis shoot blight of Pine moving into Michigan forests and killing seedlings**  
ADAMS G. C., ÇATAL M.  
Michigan State University Extension Bulletin, vol.1, no.1, pp.40-42, 2003 (Non Peer-Reviewed Journal)

## Books & Book Chapters

1. **Hastalıklar ve Mücadelesi**  
ÇATAL M., AKAN K., ÇAT A.  
in: Buğday Tarımı, Akar T., Editor, Nobel Yayın Dağıtım, İzmir, pp.110-122, 2020
2. **Bacterial leaf scorch distribution and isothermal lines)**  
Adams G., ÇATAL M., Walla J., Gould A.  
in: Forest Health Monitoring: National Status, Trends, and Analysis 2011. GTR SRS-18, Potter KM, Conkling BL., Editor, Usda-Forest Service, Southern Research Station, Asheville, North Carolina, pp.130-140, 2013

## Refereed Congress / Symposium Publications in Proceedings

1. **Korkuteli (Antalya) Yöresi'ndeki Mantar İslitmelerinde Yaygın Görülen Fungal Hastalıklar**  
ÇATAL M., Erler F.  
Türkiye IV. Bitki Koruma Kongresi, Kahramanmaraş, Turkey, pp.22

2. **Pathogenic and genetic variation among *Plasmopara viticola* isolates from different hosts**  
Schilder A., LEHMAN B., JORDAN S. A., ÇATAL M.  
5th International Workshop on Grapevine Downy and Powdery Mildew, Italy, vol.1, no.1, pp.93
3. **Microarray analysis of *Fusarium* Head Blight Toxin Deoxynivalenol (DON) regulated genes of *Arabidopsis thaliana***  
Hart L., ÇATAL M., Wang Z.  
2005 National *Fusarium* Head Blight Forum, United States Of America, pp.36
4. **Phytophthora root rot of *Abies* and *Pinus* in Michigan.**  
FULBRIGHT D. W., Jacob J., Stadt S., ÇATAL M., Vetraino A., Vannini A.  
Third International IUFRO Working Party S07.02.09.Meeting, Germany, pp.155
5. **Determination and Molecular Characterization of Bacteria in Mix of Sweet Sorghum and Soybean Silage**  
ÜSTÜN R., GÜDEN B., ÇAT A., ÇATAL M., UZUN B.  
INTERNATIONAL EURASIAN CONFERENCE ON BIOTECHNOLOGY AND BIOCHEMISTRY, Ankara, Turkey, 16 - 18 December 2020, pp.167
6. **Identification of *Aspergillus niger* and *Aspergillus flavus* on Soybean Seed**  
ÜSTÜN R., ÇAT A., GÜDEN B., ÇATAL M., UZUN B.  
INTERNATIONAL EURASIAN CONFERENCE ON BIOTECHNOLOGY AND BIOCHEMISTRY, Ankara, Turkey, 16 - 18 December 2020, pp.166
7. **Inoculation methods for phenotyping of stripe rust (*Puccinia striiformis* f. sp. *tritici*) on wheat**  
ÇAT A., TEKİN M., AKAR T., ÇATAL M.  
3rd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2020, Ankara, Turkey, 19 - 20 March 2020, pp.751
8. **Super Spreaders of Wheat Stripe Rust Pathogen (*Puccinia striiformis* f. sp. *tritici*) in Turkey**  
TEKİN M., ÇAT A., ÇATAL M., AKAR T.  
3rd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2020, Ankara, Turkey, 19 - 20 March 2020, pp.568
9. **Identification and Characterization of *Cladosporium cladosporioides* on Soybean Seed**  
ÜSTÜN R., ÇAT A., ÇATAL M., UZUN B.  
World Oil Seed Congress, Lviv, Ukraine, 6 - 07 November 2019, pp.19
10. **Diagnosis of ascochyta blight in *Pisum sativum* subsp. *elatius* via molecular techniques**  
TOKER C., SARI D., SARI H., ÇAT A., ÇATAL M.  
Uluslararası Katılımlı Türkiye VII. Bitki Koruma Kongresi, 14 - 17 October 2018
11. **First report of *Fusarium proliferatum* causing seed rot on soybean (*Glycine max*) in Turkey**  
ÜSTÜN R., ÇAT A., ÇATAL M., UZUN B.  
European Biotechnology Congress, Athens, Greece, 26 - 28 April 2018, vol.280
12. **First report of *Alternaria alternata* causing postharvest decay in fig (*Ficus carica* L. cv. Bursa Siyahi) fruit in Turkey**  
DOĞAN A., ÇAT A., ÇATAL M., ERKAN M.  
European Biotechnology Congress, Athens, Greece, 26 - 28 April 2018, vol.280
13. **Evaluation of Turkish Barley Landraces for Resistance to Powdery Mildew**  
TEKİN M., ÇAT A., AKAR T., ÇATAL M.  
3rd International Conference on Advances in Natural and Applied Sciences, Antalya, Turkey, 9 - 12 May 2018, pp.326
14. **The Use of ozonated water during pre-cooling on the postharvest fruit quality and storage performance of '0900 Ziraat' cherries**  
DOĞAN A., Topçu Y., Selçuk N., ÇATAL M., Kurubaş M. S., ERKAN M.  
VI International Postharvest Unlimited Conference, Madrid, Spain, 17 - 20 October 2017, pp.173
15. **Detection of *Fusarium* spp. Causing *Fusarium* Root Rot on Groundnut in Turkey**  
Güçlü V., ÇAT A., ÇATAL M., Başak M., Kızıl S., UZUN B., YOL E.  
III. International Plant Breeding Congress, Girne, Cyprus (Kkct), 15 - 19 October 2017, pp.78

16. **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
17. **Fusarium Wilt: A New Disease on Palms in Turkey**  
ÇAT A., ÇATAL M.  
International Congress of the New Approaches and Technologies for Sustainable Development, Isparta, Turkey, 21 - 24 September 2017, pp.57-58
18. **Agromorphological Characterization of Some Barley (Hordeum vulgare L.) Landraces Collected from Different Provinces of Turkey**  
TEKİN M., Çat A., ÇATAL M., AKAR T.  
International Congress of the New Approaches and Technologies for Sustainable Development, Isparta, Turkey, 21 - 24 September 2017, pp.523-524
19. **A New Disease on Protea (Protea cynaroides L.) in Turkey**  
ÇAT A., ÇATAL M.  
International Congress of the New Approaches and Technologies for Sustainable Development, Isparta, Turkey, 21 - 24 September 2017, pp.523-524
20. **Susamda phyllody fitoplazmalarına dayanıklı hat seleksiyonu ve real time qPCR validasyonu**  
UZUN B., YOL E., ÜSTÜN R., İKTEN C., ÇATAL M.  
12.Tarla Bitkileri Kongresi,, Kahramanmaraş, Turkey, 12 - 15 September 2017, pp.429
21. **Molecular Characterization of Verticillium dahliae Kleb. Isolates from Greenhouse-Grown Grafted Eggplants in Antalya Province (South-Western Part of Turkey)**  
Talha Koç Ü., ÇAT A., ERLER F., ÇATAL M.  
International Conference on Agriculture, Forest, Food Sciences and Technologies, Nevşehir, Turkey, 15 - 17 May 2017, pp.667
22. **Detection of Verticillium dahliae Kleb. Isolates Obtained from Grafted Eggplants**  
Talha Koç Ü., Çat A., Erler F., Çatal M.  
International Conference on Agriculture, Forest, Food Sciences and Technologies, Nevşehir, Turkey, 15 - 17 May 2017, pp.666
23. **The Effects on Different Ozone Doses, Sorting Methods and Packaging Materials on Quality of Cherry Storage**  
DOĞAN A., Topçu Y., ÇATAL M., Kurubaş M. S., Selçuk N., ERKAN M.  
International Conference on Agriculture, Forest, Food Sciences and Technologies, Nevşehir, Turkey, 15 - 17 May 2017, pp.717
24. **A Preliminary Study on the Spawn Production of Oyster Mushroom (Pleurotus Ostreatus)**  
ÇAT A., Çomak T., ÇATAL M.  
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26. **Antalya-Korkuteli Yöresinde Kültür Mantarına Zarar Veren Sinekler ve Mücadelesi**  
Erler F., ÇATAL M.  
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ÇATAL M.  
Türkiye Dogal Beslenme ve Yasam Boyu Saglık Zirevesi'2015, Bilecik, Turkey, 21 - 24 May 2015, pp.703-704
28. **Kültür mantarı (Agaricus bisporus)' ında Yas ve Kuru Kabarcık Hastalıkları ile Mücadelede Fungisitlere Alternatif Bitkisel ve Mikrobiyal Kökenli Materyaller**  
Kurt G., ÇATAL M.  
Türkiye Dogal Beslenme ve Yasam Boyu Saglık Zirvesi'2015, Bilecik, Turkey, 21 - 24 May 2015, pp.229-230
29. **İki entomopatojen fungus [Beauveria bassiana (Bals.) Vuill. ve Metarhizium anisopliae (Metsch.)**



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Türkiye V. Bitki Koruma Kongresi, Antalya, Turkey, 3 - 05 February 2014, pp.320

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European Biotechnology Congress, Bratislava, Slovakia, 16 - 18 May 2013, vol.24
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EUCARPIA Genetic Resources section meeting, Alpnar, Sweden, 10 - 13 June 2013, pp.82
34. **Antalya ilinde üzümü meyvelerde görülen önemli hastalık etmenleri ve zararlılar**  
ÇATAL M., ERLER F.  
IV. Ulusal Üzümü Meyveler Sempozyumu, Antalya, Turkey, 3 - 05 October 2012, pp.39
35. **Distribution and Severity of Alder Phytophthora in Alaska**  
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36. **Are Root Problems Involved in Leaf Scorch ?**  
SHWARTZ J., KURZEJA P., PIERCE J., CARRINGTON P., KILGORE J., ÇATAL M., RAYMAN D., TELEWSKI F., ADAMS G.  
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Botany and Mycology 2009, Snowbird Ut, United States Of America, 25 - 29 June 2009, vol.60, no.3, pp.8
38. **Phenotypic and genotypic characteristics of Phytophthora infestans from mating: Determination of inheritance or recombination**  
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39. **Inheritance of cold temperature tolerance in mycelium of Phytophthora infestans**  
Tumbalam P. G., Kirk W. W., COOKE L. R., Douches D., Adams G. C., Catal M., Rojas A.  
Annual Meeting of the American-Phytopathology-Society, Oregon, United States Of America, 1 - 05 August 2009, vol.99
40. **New Pathology Findings Associated with Alder in Alaska**  
Trummer L., Adams G., ÇATAL M.  
Forest Health Monitoring (FHM) Workgroup Meeting, Savannah Ga, United States Of America, 23 - 26 February 2009, vol.1, no.1, pp.1
41. **Sorting of nuclei, AFLP genetic markers and virulence among asexual progeny of super-race strains of Phytophthora infestans**  
ÇATAL M., ADAMS G. C., TUMBALAM P., KIRK W. W.  
2008 MSA meeting, State College Pa, United States Of America, 9 August - 13 September 2008, vol.59, no.4, pp.24
42. **Phytophthora and Pythium species new to North America, Alaska or Colorado, from beneath Alnus spp.**  
ADAMS G. C., ÇATAL M., Trummer L., Worrall J.

- 2008 MSA meeting, State College Pa, United States Of America, 9 August - 13 September 2008, vol.59, no.4, pp.17
43. **Assesment of Decline and Contributing Diseases in White Ash Sta Assessment of Decline and Contributing Diseases in White Ash Stands in Michig nds in Michigan**  
Çatal M., Adams G. C., Storer A., O'brien J., Mielke M., Mech R.  
Forest Health Monitoring (FHM) Workgroup Meeting 2008, Michigan, United States Of America, 11 - 14 February 2008, vol.1, no.1, pp.1
  44. **First Finding of First Finding of Phytophthor Phytophthora alni subspecies subspecies uniformis in North America**  
ADAMS G., ÇATAL M., Worrall J., Trummer L.  
2008 Forest Health Monitoring (FHM) Workgroup Meetin, San Antonio Tx, United States Of America, 11 - 14 February 2008, vol.1, no.1, pp.1
  45. **Wildtype isolates of Phytophthora infestans can be heterokaryons with aneuploid, diploid and heteroploid nuclei which may segregate among zoospores.**  
ÇATAL M., ADAMS G. C., TUMBALAM P. G., KIRK W. W.  
2007 MSA Meeting, Baton Rouge La, United States Of America, 21 - 26 October 2007, vol.59, no.2, pp.11
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ÇATAL M., TUMBALAM P. G., KIRK W. W., ADAMS G. C.  
XXIV Fungal genetic conference, Asilomar Ca, United States Of America, 20 - 25 March 2007, vol.54, pp.48
  47. **Phytophthora species found on Fraser fir in Michigan**  
FULBRIGHT D. W., Stadt S., Jacob J., ÇATAL M.  
Seventh international Christmas tree research and extension conference, Tustin Ml, United States Of America, 2 - 07 October 2005, vol.1, no.1, pp.1
  48. **Application of Real-Time Polymerase Chain Reaction to the Detection and Quantification of Fusarium in Wheat**  
Hart L., ÇATAL M.  
2003 National Fusarium Head Blight Forum, Bloomington Mn, United States Of America, 13 - 15 December 2003, pp.191-194
  49. **Phytophthora Root Rot of Fir in Michigan**  
FULBRIGHT D. W., Stadt S., ÇATAL M., Jacob J., Vettrains A., Vannini A.  
Sixth international Christmas Tree research and Extension Conference, Hendersonville Nc, United States Of America, 14 - 19 September 2003, pp.27-31
  50. **Detection identification and quantification of latent needle cast pathogens and endophytes in symptomless conifer foliage by PCR and Dot-blot assays**  
ÇATAL M., ADAMS G. C.  
the IUFRO Working Party 7.02.02 Shoot and Foliage Diseases, Hyytiala, Finland, 17 - 21 June 2001, pp.164-178
  51. **Development of species-specific DNA oligonucleotide probes for detection of pathogenic and endophytic fungi in conifer needles**  
ÇATAL M., ADAMS G. C.  
aps 1997 annual meeting, Rochester Ny, United States Of America, 9 - 13 August 1997, vol.88, pp.110

## Academic and Administrative Experience

2020 - Continues	<b>Deputy Head of Department</b>	Akdeniz University, Faculty of Agriculture, Department of Plant Protection
2013 - 2016	<b>Deputy Head of Department</b>	Akdeniz University, Faculty of Agriculture, Department of Plant Protection

## Courses

Park Süs Bitkileri Hastalık ve Zararlıları, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2016 - 2017, 2015 - 2016, 2014 - 2015

Yenilebilir ve Tıbbi Mantarlar, Doctorate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Orman patolojisi, Doctorate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

Fitopatoloji, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

Toprak kökenli bitki patojenleri, Doctorate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Tarla Bitkileri Hastalıkları, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

Bitki Fungal Hastalıkları, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

Tohum patolojisi, Doctorate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

Örtüaltı hastalık ve zararlıları, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

Moleküler Konukçu Patojen İlişkileri , Postgraduate, 2015 - 2016

Fitopatolojide Araştırma Metodları, Postgraduate, 2015 - 2016

İleri Mikoloji, Postgraduate, 2015 - 2016

Phytopathology-ERASMUS, Undergraduate, 2015 - 2016

Fungal Diseases of Plants-Erasmus, Undergraduate, 2015 - 2016

Bitki hastalıkları ile savaşım yöntem ve ilaçlar, Undergraduate, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012

Yabancı otlar ve mücadelesi, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012

## Advising Theses

Çatal M., Antalya ili Elmalı ilçesinde örtü altı domates üretim alanlarında görülen *Verticillium dahliae* kleb. izolatlarının moleküler tanısı, Postgraduate, H.AKAR(Student), 2021

Çatal M., Akdeniz ve Ege bölgesinde yetiştirilen buğdaylarda sarı pas (*Puccinia striiformis* f. sp. *tritici*) ırklarının belirlenmesi, Doctorate, A.ÇAT(Student), 2021

Çatal M., Farklı tipteki kavun genotiplerinin *Fusarium oxysporum* f. sp. *melonis*'e dayanıklılık durumlarının klasik ve moleküler yöntemlerle belirlenmesi, Postgraduate, M.BATUHAN(Student), 2020

Çatal M., Afyonkarahisar ili patates alanlarında kuru çürüklük hastalığı etmeni *Fusarium* türlerinin moleküler tanılması, Postgraduate, T.ÇOMAK(Student), 2020

Çatal M., Antalya ili Korkuteli ilçesi mantar üretim alanlarında yaygın görülen bazı fungal hastalık etmenlerinin moleküler karakterizasyonu, Postgraduate, D.ATEŞ(Student), 2018

ÇATAL M., Antalya ili örtüaltı alanlarında asılı fidelerden yetistirilen patlıcanlarda görülen *verticillium dahliae* kleb. izolatlarının moleküler yöntemler kullanarak tespit ve tanımlanması, Postgraduate, Ü.Talha(Student), 2014

ÇATAL M., Bitkisel ve mikrobiyal kökenli preparatların kültür mantarı [*Agaricus bisporus* (Lange) Imbach]'nda yas kabarcık (*Mycogone pernicioso*) ve kuru kabarcık (*Verticillium fungicola*) hastalık etmenlerine etkilerinin in vivo ve in vitro koşullarında değerlendirilmesi, Postgraduate, G.Kurt(Student), 2014

## Activities in Scientific Journals

Mediterranean Agricultural Sciences (Akdeniz Üniversitesi Ziraat Fakültesi Dergisi), Assistant Editor/Section Editor, 2021 - Continues

Akdeniz Üniversitesi Ziraat Fakültesi Dergisi, Assistant Editor/Section Editor, 2012 - 2014

## Memberships / Tasks in Scientific Organizations

American Phytopathological Society, Member, 2000 - 2009

## Metrics

Publication: 93

Citation (WoS): 251

Citation (Scopus): 290

H-Index (WoS): 9

H-Index (Scopus): 10

## Congress and Symposium Activities

Türkiye Doğal Beslenme ve Sağlıklı Yaşam Günleri' 2016, Attendee, Antalya, Turkey, 2016

Türkiye Doğal Beslenme ve Yaşam Boyu Sağlık Zirevesi'2015, Attendee, Bilecik, Turkey, 2015

Türkiye V. Bitki Koruma Kongresi, Attendee, Turkey, 2014

IV. Ulusal Üzümsü Meyveler Sempozyumu,, Attendee, Antalya, Turkey, 2012

Türkiye IV. Bitki Koruma Kongresi, Attendee, K.Maraş, Turkey, 2011

## Research Areas

Agricultural Sciences, Agriculture, Phytopathology, Mycology, Bacteriology