

## Prof. FİGEN MERT

### Personal Information

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### Education Information

Doctorate, Imperial College of Science, Technology and Medicine, Plant Science, Plant Pathology, United Kingdom 1995 - 2001

Post Graduate, Cukurova University, Fen Bilimleri Enstitüsü, Bitki Koruma Anabilim Dalı, Turkey 1991 - 1994

Under Graduate, Cukurova University, Ziraat Fakültesi, Bitki Koruma Bölümü, Turkey 1986 - 1990

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Quantification of Enhanced Downy Mildew Susceptibility and Camalexin Accumulation in the mutants of *Arabidopsis thaliana*, Imperial College of Science, Technology and Medicine, Plant Science, Plant Pathology, 2001

Post Graduate, Turunçgil Phytophthora Türlerinin Topraktaki Populasyon Yoğunluklarının Saptanmasında Kullanılabilecek Yöntemlerin Araştırılması, Canakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü, Bitki Koruma Anabilim Dalı, 1995

### Research Areas

Agricultural Sciences, Agriculture, Plant Protection, Phytopathology, Mycology

### Academic Titles / Tasks

Professor, Canakkale Onsekiz Mart University, Ziraat Fakültesi, Bitki Koruma, 2015 - Continues

Associate Professor, Canakkale Onsekiz Mart University, Ziraat Fakültesi , Bitki Koruma Bölümü, 2007 - 2015

Assistant Professor, Canakkale Onsekiz Mart University, Ziraat Fakültesi , Bitki Koruma Bölümü, 2001 - 2007

Research Assistant, Canakkale Onsekiz Mart University, Ziraat Fakültesi , Bitki Koruma Bölümü, 1994 - 2001

### Academic and Administrative Experience

Canakkale Onsekiz Mart University, Ziraat Faültesi, 2009 - 2012

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **First report of *Phytophthium litorale* causing root rot of apple in Turkey**  
MERT F., Turkolmez S., ÖZER G., Dervis S., Ciftci O.  
JOURNAL OF PLANT PATHOLOGY, 2020 (Journal Indexed in SCI)
- II. **Analysis of secondary biochemical components in maize flour samples by NIR (near infrared reflectance) spectroscopy**  
KAHRIMAN F., Onaç I., Oner F., MERT F., EGESEL C. Ö.  
JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION, vol.14, no.4, pp.2320-2332, 2020 (Journal Indexed in SCI)
- III. **Determination of carotenoid and tocopherol content in maize flour and oil samples using near-infrared spectroscopy**  
KAHRIMAN F., Onac I., Turk F., ÖNER F., EGESEL C. Ö.  
SPECTROSCOPY LETTERS, vol.52, no.8, pp.473-481, 2019 (Journal Indexed in SCI)
- IV. **CHEMOTYPING OF THE FUSARIUM GRAMINEARUM ISOLATES AND VARIATION IN AGGRESSIVENESS AGAINST WHEAT HEADS**  
Mert-Turk F., GENCER R. M., KAHRIMAN F.  
JOURNAL OF ANIMAL AND PLANT SCIENCES, vol.24, no.6, pp.1858-1862, 2014 (Journal Indexed in SCI)
- V. **Distribution of the 3-AcDON, 15-AcDON, and NIV Chemotypes of *Fusarium culmorum* in the North-West of Turkey**  
Mert-Turk F., Gencer R.  
PLANT PROTECTION SCIENCE, vol.49, no.2, pp.57-64, 2013 (Journal Indexed in SCI)
- VI. **Mert-Turk F, Gencer R, Distribution of the 3-AcDON, 15-AcDON, and NIV Chemotypes of *Fusarium culmorum* in the North-West of Turkey**  
TÜRK F., GENCER R. M., KAHRIMAN F.  
PLANT PRODUCTION SCIENCE, vol.49, no.2, pp.57-64, 2013 (Journal Indexed in SCI Expanded)
- VII. **Nitrogen and fungicide applications against *Erysiphe cruciferarum* affect quality components of oilseed rape**  
Mert-Turk F., Gul M. K., EGESEL C. Ö.  
MYCOPATHOLOGIA, vol.165, no.1, pp.27-35, 2008 (Journal Indexed in SCI)
- VIII. **Microsatellite and morphological markers reveal genetic variation within a population of *Sclerotinia sclerotiorum* from oilseed rape in the Canakkale Province of Turkey**  
Mert-Turk F., IPEK M., MERMER D., NICHOLSON P.  
JOURNAL OF PHYTOPATHOLOGY, vol.155, no.3, pp.182-187, 2007 (Journal Indexed in SCI)
- IX. **Avenacin A-1 Content of Some Turkish Oat Genotypes and in vitro Effect of Avenacins on Several Soil-Borne Fungal Pathogens of Cereals**  
TÜRK F., EGESEL C. O., GUL M. K.  
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.29, pp.157-164, 2005 (Journal Indexed in SCI Expanded)
- X. **Camalexin accumulation in *Arabidopsis thaliana* following abiotic elicitation or inoculation with virulent or avirulent *Hyaloperonospora parasitica***  
Mert-Turk F., BENNETT M., MANSFIELD J., HOLUB E.  
PHYSIOLOGICAL AND MOLECULAR PLANT PATHOLOGY, vol.62, no.3, pp.137-145, 2003 (Journal Indexed in SCI)
- XI. **Quantification of camalexin in several accessions of *Arabidopsis thaliana* following inductions with *Peronospora parasitica* and UV-B irradiation**  
Mert-Turk F., BENNETT M., MANSFIELD J., HOLUB E.  
PHYTOPARASITICA, vol.31, no.1, pp.81-89, 2003 (Journal Indexed in SCI)
- XII. ***Arabidopsis* SGT1b is required for defense signaling conferred by several downy mildew resistance genes**  
TOR M., GORDON P., CUZICK A., EULGEM T., SINAPIDOU E., Mert-Turk F., CAN C., DANGL J., HOLUB E.  
PLANT CELL, vol.14, no.5, pp.993-1003, 2002 (Journal Indexed in SCI)

- XIII. **Microscopic evaluation of the interactions between *Peronospora parasitica* and *Arabidopsis thaliana*.**  
TÜRK F.  
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.26, pp.0-132, 2002 (Journal Indexed in SCI Expanded)
- XIV. **Phytoalexin-deficient mutants of *Arabidopsis* reveal that PAD4 encodes a regulatory factor and that four PAD genes contribute to downy mildew resistance**  
GLAZEBROOK J., ZOOK M., Mert F., Kagan I., ROGERS E., CRUTE I., HOLUB E., HAMMERSCHMIDT R., AUSUBEL F.  
GENETICS, vol.146, no.1, pp.381-392, 1997 (Journal Indexed in SCI)

### Articles Published in Other Journals

- I. **Mycelial Compatible Groups of the *Sclerotium rolfsii* Isolates and Comparison of Morphological and Pathogenic Characters**  
Yaşar İ., Mert F.  
Journal of Turkish Phytopathology, vol.48, pp.1-6, 2019 (Other Refereed National Journals)
- II. **Tebuconazole'un in vitro Koşullarda *Fusarium culmorum*'un Gelişimine ve Konidi Çimlenmesine Etkilerinin Saptanması**  
MERT F., Toçan T.  
ÇOMÜ Ziraat Fakültesi Dergisi, vol.7, no.1, pp.13-20, 2019 (Refereed Journals of Other Institutions)
- III. **Mycelial Compatible Groups of the *Sclerotium rolfsii* Isolates and Comparison of Morphological and Pathogenic Characters**  
MERT F., yaşar i.  
Journal of turkish Phytopathology, vol.48, pp.1-6, 2019 (Refereed Journals of Other Institutions)
- IV. **Oat root extract affects in vitro growth of several soil borne cereal fungal pathogens**  
TÜRK F.  
Ecology & Safety, no.10, pp.10-17, 2016 (Refereed Journals of Other Institutions)
- V. **Comparison of *Fusarium culmorum* isolates associated with virulence on wheat**  
RAMAZAN G., TÜRK F.  
Ecology & Safety, no.10, pp.1-9, 2016 (Refereed Journals of Other Institutions)
- VI. ***Fusarium* Başak Yanıklığının Buğdayda Toplam Protein ve Karbonhidrat İçeriğine Etkisi**  
TÜRK F., KAHRIMAN F., EGESEL C. Ö., Gencer R.  
YYÜ Tarım Bilimleri Dergisi, vol.23, no.2, pp.149-153, 2013 (National Refreed University Journal)
- VII. **Mert-Türk F., Kahrıman F. Gencer R., Egesel C. Ö. 2013. *Fusarium Culmorum*'un Neden Olduğu *Fusarium* Başak Yanıklığının Toplam Protein Ve Karbonhidrat İçeriğine Etkisi. , 23(2):149-153.**  
MERT F., KAHRIMAN F., ramazan g., EGESEL C. Ö.  
Yüzüncüyl Üniversitesi Tarım Bilimleri Dergisi, vol.23, no.2, pp.149-153, 2013 (Refereed Journals of Other Institutions)
- VIII. **Saponins versus plant pathogens**  
TÜRK F.  
Journal of Cell and Molecular Biology, vol.1, no.5, pp.13-17, 2006 (Refereed Journals of Other Institutions)
- IX. **Avenacin A-1 Content of Some Local Oat Genotypes and the in vitro Effect of Avenacins on Several Soil-Borne Fungal Pathogens of Cereals**  
TÜRK F., EGESEL C. Ö., Gül M. K.  
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.29, pp.157-164, 2005 (Refereed Journals of Other Institutions)
- X. **Determination of disease incidence and mycelial compatible groups of *Sclerotinia sclerotiorum* in lettuce growing in greenhouses of Canakkale province**  
TÜRK F., Duygu M.  
J. Agric. Fac. MKU, no.9, pp.1-8, 2004 (Other Refereed National Journals)
- XI. **Mert-Türk, F., D. Mermer. 2004. Çanakkale Örtüaltı Marul Yetiştiriciliğinde *Sclerotinia***

## **sclerotiorum'un Yaygınlığının ve Miselyal Uyum Gruplarının Saptanması**

MERT F., duygu m.

Mustafa Kemal Üniv. Ziraat Fak. Dergisi, vol.9, pp.1-8, 2004 (Refereed Journals of Other Institutions)

## **XII. Phytoalexins: Defense or just a response to stress?**

MERT F.

Journal of Cell and Molecular Biology, vol.1, no.1, pp.1-6, 2002 (Refereed Journals of Other Institutions)

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **Ergün S.B. ve F. Mert, 2018. Çanakkale, Biga'da Çeltik Yanıklığı (Pyricularia oryzae) Hastalığının Çıkışı ve Yaygınlığının Saptanması. 1st International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2018), Ankara, Turkey.**  
MERT F., Ergün B.  
dfsd, 27 - 29 December 2018, vol.1, pp.1
- II. **EFFICIENCY OF DIFFERENT CHEMOMETRIC METHODS FOR DETERMINATION OF OIL CONTENT IN MAIZE BY NIR SPECTROSCOPY**  
KAHRIMAN F., TÜRK F., ÖNER F., GÖKÇE A., DÜZEN E., ONAÇ İ., EGESEL C. Ö.  
AGROSYM 2017, Sarajevo, Bosnia And Herzegovina, 5 - 08 October 2017, pp.788-793
- III. **DETERMINATION OF THE EFFECT OF TEBUCONAZOLE ON IN VITRO MYCELIAL GROWTH AND CONIDIUM GERMINATION OF FUSARIUM CULMORUM CONDITION**  
TÜRK F., TOÇAN T.  
VII International Scientific Agriculture Symposium "Agrosym 2016", JAHORINA, Bosnia And Herzegovina, 6 - 09 October 2016
- IV. **MYCELIAL COMPATIBLE GROUPS OF THE SCLEROTIUM ROLFSSII ISOLATES AND COMPARISON OF VIRULENCE**  
YAŞAR İ., TÜRK F.  
VII International Scientific Agriculture Symposium "Agrosym 2016", JAHORINA, Bosnia And Herzegovina, 6 - 09 October 2016
- V. **Effect of Tebuconazole Applications at Different Anthesis Stages on Disease Development of Fusarium culmorum and Head Weight**  
PALACIOĞLU G., TÜRK F.  
2nd International Conference on Engineering and Natural Sciences (ICENS 2016), Bosnia And Herzegovina, 24 - 28 May 2016
- VI. **The aggressiveness of Fusarium graminearum and comparison of zearalenone accumulation on wheat genotypes Ecology Safety 24th International Conference 4 8 June Elenite Burgas Bulgaria Journal of International Scientific Publications**  
TÜRK F., PALACIOĞLU G.  
24th International Conference: Ecology & Safety (9), 561-567., 4 - 08 June 2015, pp.561-567
- VII. **Fusarium culmorum kültür filtratının buğday tohumlarının cimlenmesine etkisinin saptanması**  
TÜRK F., GENCER R., KAHRIMAN F.  
Çanakkale Tarımı Sempozyumu (Dünü, Bugünü ve Geleceği, 1 - 04 July 2011, pp.405-411

## **Supported Projects**

KAHRIMAN F., ONAÇ İ., EGESEL C. Ö., TÜRK F., ÖNER F., Project Supported by Higher Education Institutions, Mısır Yağında Karotenoid İçeriğinin Yakın Kızılötesi Spektroskopisi (NIR) ve Kemometrik Yöntemler Kullanılarak Tespiti, 2016 - 2017

MERT F., IŞIK V., Project Supported by Higher Education Institutions, Fusarium culmorum'un farklı buğday çeşitlerinde Zearalenone üretimi ve hastalık şiddetiyle korelasyonunun saptanması, 2011 - 2012

MERT F., MERMER D., Project Supported by Higher Education Institutions, Çanakkale İli Buğday Alanlarındaki Kök ve Kökboğazı Hastalıklarının Yoğunluğunun ve Etmenlerinin Belirlenmesi, 2008 - 2012

MERT F., MERMER D., Project Supported by Higher Education Institutions, Çanakkale Örtüaltında Yetişen Marullardan İzole Edilen *Sclerotinia sclerotiorum* Populasyonlarında Varyasyonların Saptanması, 2006 - 2008

MERT F., ÇAKAN H., Project Supported by Higher Education Institutions, Çanakkale İli Ezine ve Ayvacık İlçelerine Bağlı Köylerde Fasulyelerde (*Phaseolus Vulgaris*) Görülen Güney Yanıklık (*Sclerotium rolfsii*) Hastalığının Yoğunluğu ve Kullanılan Bazı Fungusitlere Karşı Duyarlılığının Saptanması, 2005 - 2006

MERT F., GÖRÜR S., Project Supported by Higher Education Institutions, Biberlerde kökboğazı yanıklığına sebep olan *Phytophthora capsici*'nin fungusitlere dayanıklı ırklarının araştırılması, 2002 - 2005

## Citations

Total Citations (WOS):507

h-index (WOS):7