

# AYŞENUR GÜRGEN

## RES. ASST. PHD

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## Biography

15.10.1990 yılında Adıyaman'da doğdu. İlk, orta ve lise öğrenimini Adıyaman'da tamamladı. 2008 yılında Karadeniz Teknik Üniversitesi, Orman Fakültesi, Orman Endüstri Mühendisliği Bölümü'ne kayıt yaptırdı. 2012 yılında lisans eğitimini tamamladı ve Orman Endüstri Mühendisi unvanı ile mezun oldu. 2012 yılında KTÜ, Fen Bilimleri Enstitüsü, Orman Endüstri Mühendisliği Anabilim Dalı, Orman Biyolojisi ve Odun Koruma Bilim Dalında yüksek lisans eğitimine başladı. İyi derecede İngilizce bilmektedir. 'Modaya Tasarruflu Uyum Sağla' adlı çalışma ile 22-23.12.2014 tarihinde Mersin'de gerçekleştirilmiş olan 2. Mobilya Ar-Ge proje pazarında ilk 30'a girerek finalist oldu ve özel sunum yapmaya hak kazandı. Çalışma alanları: mobilya sanayi başta olmak üzere diğer sanayilerde kullanılan ahşap malzemelerin korunması, yapay sinir ağlarıyla modelleme ve metasezgisel algoritmalarla optimizasyon olarak sıralanabilir. Doktora tez çalışması kapsamında, yapay zeka teknikleri kullanılarak multi-fonksiyonel bazı bileşiklerin odun korumada sinerjik etkisinin belirlenmesi, modellenmesi ve optimizasyonu çalışılmaktadır. Ayrıca tez çalışmasının bir bölümü TÜBİTAK 2214-A Doktora Sırası Araştırma Bursu ile desteklenmiştir ve İtalya'nın Floransa şehrindeki bir araştırma enstitüsünde deneyler tamamlanmıştır.

## Learning Knowledge

Associate Degree 2020 - Continues	Anadolu University, Open Education Faculty, Cookery, Turkey
Doctorate 2015 - Continues	Karadeniz Technical University, Fen Bilimleri Enstitüsü, Turkey
Undergraduate 2016 - 2020	Anadolu University, Faculty Of Business Administration, Uluslararası Ticaret Ve Lojistik, Turkey
Doctorate 2019 - 2019	Cnr - Ivalsa, Trees And Timber Institute, Italy
Postgraduate 2012 - 2015	Karadeniz Technical University, Fen Bilimleri Enstitüsü, Orman Endüstri Mühendisliği Anabilimdalı, Turkey
Undergraduate 2008 - 2012	Karadeniz Technical University, Orman Fakültesi, Orman Endüstrisi Mühendisliği, Turkey

## Foreign Languages

English, C1 Advanced

## Certificates, Courses and Trainings

Occupational Health and Safety, TEMEL İŞ SAĞLIĞI VE GÜVENLİĞİ, KARADENİZ TEKNİK ÜNİVERSİTESİ, 2017

Other, AHŞAP YAKMA SANATI KURSU, Gençlik ve Spor Bakanlığı, 2016

Other, KAYIN MANTARI YETİŞTİRİCİLİĞİ, DOKA DESTEKLİ PROJE, 2014

Other, YARATICI DRAMA KURSU, KREDİ YURTLAR KURUMU, 2014

Other, HAT KURSU, KREDİ YURTLAR KURUMU, 2014

IT, FİLM KURGU PROGRAMLAMA, YEŞİL DÜŞÜNCE DERNEĞİ, 2013

Other, AHŞAP OYUNCAK KURSU, TRABZON, 2012

Education Management and Planning, 3DMAX, SOMEL KURS, 2012

Education Management and Planning, AUTOCAD, SOMEL KURS, 2012

Education Management and Planning, TAEKWANDO, TRABZON, 2012

Other, EBRU SANATI KURSU, ADIYAMAN, 2000

## Dissertations

Postgraduate, Bazı doğa ve kültür mantarı türlerinin biyoaktif özelliklerinin ve radyoaktif element miktarlarının belirlenmesi, Karadeniz Technical University, Orman Endüstrisi Mühendisliği, Orman Biyolojisi Ve Odun Koruma Ana Bilim Dalı, 2015

## Academic Titles / Tasks

Research Assistant  
2015 - Continues

Karadeniz Technical University, Orman Fakültesi, Orman Endüstri Mühendisliği

## Supported Projects

1. YILDIZ Ü. C., YILDIZ S., GÜRGEN A., Project Supported by Higher Education Institutions, Emprenye Maddesi Konsantrasyonu ve Emprenye Yöntemi Koşullarının Odunun Bazı Fiziksel/Mekaniksel Özelliklerine Etkisinin Belirlenmesi ve Bu Etkinin Modellenmesi, 2019 - 2021
2. YILDIZ S., ÇEVİK U., YILMAZ A., DOĞAN H. H., ÇELİK A., Project Supported by Higher Education Institutions, TRABZONDA SAPROFİT VEVEYA PARAZİT OLARAK GELİŞEN BAZI MAKROMANTARLARDA RADYOAKTİVİTE RİSK ANALİZİ VE EFEKTİF DOZ DEĞERLERİNİN ARAŞTIRILMASI, 2017 - 2019
3. YILDIZ S., GÜRGEN A., Project Supported by Other Official Institutions, Bazı Pleurotus spp. Türlerinin Farklı Ortamlarda Üretilmesi, Kimyasal ve Duyusal Analizi, 2017 - 2018
4. YILDIZ S., CAN Z., YILMAZ A., KILIÇ A. O., KILIÇ C., TABBOUCHE S., Project Supported by Higher Education Institutions, DOĞAL BAZI BİTKİ EKSTRAKTLARININ BİYOAKTİF ÖZELLİKLERİ VE ODUN KORUMA MADDESİ OLARAK DEĞERLENDİRİLMELERİ, 2017 - 2017
5. YILDIZ S., YILMAZ A., KILIÇ A. O., SÖKMEN M., TABBOUCHE S., Project Supported by Higher Education Institutions, Trabzonda Doğal Olarak Yetişen Makrofungusların Biyoaktif Madde Yönünden Araştırılması, 2015 - 2016
6. GÜRGEN A., EU Supported Other Project, WE ARE THE WORLD FOR NEXT GENERATION, 2012 - 2012

## Awards

1. GÜRGEN A., Çayır Mantarı Ekstraktının Ahşap Koruyucu Olarak Değerlendirilmesi, Tokat Ar-Ge Proje Pazarı, October 2018
2. GÜRGEN A., Şifalı otlarla odun koruma, Tokat Ar-Ge Proje Pazarı, October 2018
3. GÜRGEN A., ARABA SIMÜLASYONLU AKILLI BEŞİK, 3. Mobilya Ar-Ge Proje Pazarı, November 2015
4. GÜRGEN A., Antibakteriyel ve Antioksidan Aktiviteye Sahip Bazı Mantarların Farklı Endüstrilerde Değerlendirilme Olanakları, 3. Gıda Ar-Ge Proje Pazarı, May 2015
5. GÜRGEN A., II. Mobilya Ar-Ge Proje pazarında finalistlik ödülü,, Türkiye İhracatçılar Meclisi (TİM) Akdeniz İhracatçı Birlikleri, December 2014
6. GÜRGEN A., Modaya Tasarruflu Uyum Sağla, 2. Mobilya Ar-Ge Proje Pazarı, December 2014

## Scholarships

2214-A Doktora Sırası Araştırma Bursu, TUBITAK, 2019 - Continues

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

1. **Application of artificial neural network coupling multiobjective particle swarm optimization algorithm to optimize Pleurotus ostreatus extraction parameters**  
GÜRGEN A., Sevindik M.  
Journal of Food Processing and Preservation, vol.46, no.11, 2022 (SCI-Expanded)
2. **COMBINING ARTIFICIAL NEURAL NETWORK AND MOTH-FLAME OPTIMIZATION ALGORITHM FOR OPTIMIZATION OF ULTRASOUND-ASSISTED AND MICROWAVE-ASSISTED EXTRACTION PARAMETERS: BARK OF Pinus brutia**  
GÜRGEN A., Atilgan B., YILDIZ S., Gonultas O., Imamoglu S.  
MADERAS-CIENCIA Y TECNOLOGIA, vol.24, 2022 (SCI-Expanded)
3. **OPTIMIZATION OF CNC OPERATING PARAMETERS TO MINIMIZE SURFACE ROUGHNESS OF Pinus sylvestris USING INTEGRATED ARTIFICIAL NEURAL NETWORK AND GENETIC ALGORITHM**  
GÜRGEN A., Cakmak A., YILDIZ S., Malkocoglu A.  
MADERAS-CIENCIA Y TECNOLOGIA, vol.24, pp.1-12, 2022 (SCI-Expanded)
4. **Optimization of Extraction Parameters of Ethanol Extracts of Propolis Samples Using Artificial Neural Network and Moth-Flame Optimization Algorithm**  
GÜRGEN A., Serencam H., KARA Y., Can Z., YILDIZ S.  
JOURNAL OF APICULTURAL SCIENCE, vol.65, no.2, pp.229-241, 2021 (SCI-Expanded)
5. **POSSIBILITY OF USING LICHEN AND MISTLETOE EXTRACTS AS POTENTIAL NATURAL WOOD PRESERVATIVE**  
Yıldız Ü. C., Kilic C., Gürgen A., Yıldız S.  
MADERAS-CIENCIA Y TECNOLOGIA, vol.22, pp.179-188, 2020 (SCI-Expanded)
6. **Artificial neural network approach for protection of the color of dried golden and pink oyster mushrooms with pretreatments**  
GÜRGEN A., YILDIZ S.  
COLOR RESEARCH AND APPLICATION, vol.44, no.6, pp.1006-1016, 2019 (SCI-Expanded)
7. **Prediction of the colorimetric parameters and mass loss of heat-treated bamboo: Comparison of multiple linear regression and artificial neural network method**  
Gürgen A., Topaloglu E., Ustaömer D., Yıldız S., Ay N.  
COLOR RESEARCH AND APPLICATION, vol.44, no.5, pp.824-833, 2019 (SCI-Expanded)
8. **Application of Artificial Neural Network to Predict the Effect of Paraffin Addition on Water Absorption and Thickness Swelling of MDF**

- GÜRGEN A., USTAÖMER D., YILDIZ S.  
 DRVNA INDUSTRIJA, vol.70, no.3, pp.247-255, 2019 (SCI-Expanded)
9. **DECAY RESISTANCE OF SCOTCH PINE WOOD IMPREGNATED AGARICUS CAMPESTRIS BIO-PROTECTIVE EXTRACT**  
 YILDIZ S., YILDIZ Ü. C., GÜRGEN A.  
 MADERAS-CIENCIA Y TECNOLOGIA, no.21, pp.405-412, 2019 (SCI-Expanded)
  10. **MODELING THE WATER ABSORPTION RATE OF WOOD IMPREGNATED WITH SILICONE-BASED CHEMICALS USING AN ARTIFICIAL NEURAL NETWORK**  
 GÜRGEN A., Kilic C., YILDIZ Ü. C., YILDIZ S.  
 DREWNO, vol.62, no.204, pp.55-69, 2019 (SCI-Expanded)
  11. **SOME BIOACTIVE PROPERTIES OF ACACIA DEALBATA EXTRACTS AND THEIR POTENTIAL UTILIZATION IN WOOD PROTECTION**  
 YILDIZ S., GÜRGEN A., CAN Z., Tabbouche S. A., KILIÇ A. O.  
 DREWNO, vol.61, no.202, pp.81-97, 2018 (SCI-Expanded)
  12. **ANTIOXIDANT, ANTIMICROBIAL AND ANTI-QUORUM SENSING ACTIVITIES OF SOME WILD AND CULTIVATED MUSHROOM SPECIES COLLECTED FROM TRABZON, TURKEY**  
 GÜRGEN A., YILDIZ S., CAN Z., Tabbouche S., KILIÇ A. O.  
 FRESenius ENVIRONMENTAL BULLETIN, vol.27, no.6, pp.4120-4131, 2018 (SCI-Expanded)

#### Articles Published in Other Journals

1. **Elemental Composition of A Cultivated Mushroom (Agaricus bisporus) and Some Wild Mushroom Species**  
 YILDIZ S., DOĞAN H. H., GÜRGEN A., ÇEVİK U.  
 Bartın Orman Fakültesi Dergisi, vol.26, no.1, pp.55-63, 2024 (Peer-Reviewed Journal)
2. **Modelling some physical and mechanical properties of heat-treated Scotch pine using artificial neural network**  
 Yıldız S., Gürgen A.  
 Turkish Journal of Forestry, vol.22, no.2, pp.135-142, 2021 (Peer-Reviewed Journal)
3. **METAL AND RADIONUCLIDE ACCUMULATION OF SOME CULTIVATED MUSHROOMS**  
 YILDIZ S., GÜRGEN A., ÇEVİK U., ÇELİK A., DOĞAN H. H.  
 Sigma Journal of Engineering and Natural Sciences, vol.11, no.2, pp.167-176, 2020 (ESCI)
4. **MODELLING WATER INTAKE PROPERTIES OF HEAT-TREATED BEECH AND SPRUCE WOOD TREATED AT DIFFERENT TEMPERATURES USING BY ARTIFICIAL NEURAL NETWORKS**  
 Gürgen A., Yıldız S.  
 Wood Industry and Engineering, vol.2, no.1, pp.6-12, 2020 (Peer-Reviewed Journal)
5. **Evaluation of essential properties of impregnating agents for preserving wood by AHP method in fuzzy environment**  
 GÜRGEN A., YILDIZ S., YILDIZ Ü. C., Palanti S.  
 TURKISH JOURNAL OF FORESTRY, vol.21, no.1, pp.70-76, 2020 (Peer-Reviewed Journal)
6. **Determination of Antioxidant and Oxidant Potentials of Pleurotus citrinopileatus Mushroom Cultivated on Various Substrates**  
 Gürgen A., Sevindik M., Yıldız S., Akgül H.  
 KSU TARIM VE DOĞA DERGISI-KSU JOURNAL OF AGRICULTURE AND NATURE, vol.23, pp.586-591, 2020 (ESCI)
7. **Antioxidant, Antimicrobial and Anti-Quorum Sensing Activities of Usnea filipendula and Viscum album**  
 YILDIZ S., GÜRGEN A., Kılıç C., Sana T., KILIÇ A. O., CAN Z.  
 Journal of Anatolian Environmental and Animal Sciences, 2019 (Peer-Reviewed Journal)
8. **ACCUMULATION OF METALS IN SOME WILD AND CULTIVATED MUSHROOM SPECIES**  
 YILDIZ S., GÜRGEN A., ÇEVİK U.

SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.37, no.4, pp.1371-1380, 2019 (ESCI)

9. **Antioxidant, Antimicrobial and Anti-Quorum Sensing Activities of Usnea filipendula and Viscum album**  
YILDIZ S., GÜRGEN A., KILIÇ C., TABBOUCHE S., KILIÇ A. O., CAN Z.  
JOURNAL OF ANATOLIAN ENVIRONMENTAL AND ANIMAL SCIENCES, vol.4, no.4, pp.613-620, 2019 (Peer-Reviewed Journal)
10. **Comparison of Quorum Sensing Inhibition and Antimicrobial Properties of Some Commercial and Wild Mushrooms Extracted with Supercritical CO<sub>2</sub>**  
YILDIZ S., GÜRGEN A., TABBOUCHE S., SERDAR G., SÖKMEN M., KILIÇ A. O.  
Celal Bayar University Journal of Science, vol.15, no.2, pp.193-198, 2019 (Peer-Reviewed Journal)
11. **Comparison of Quorum Sensing Inhibition and Antimicrobial Properties of Some Commercial and Wild Mushrooms Extracted with Supercritical CO<sub>2</sub>**  
YILDIZ S., GÜRGEN A., TABBOUCHE S., SERDAR G., SÖKMEN M., KILIÇ A. O.  
Celal Bayar Üniversitesi Fen Bilimleri Dergisi, vol.15, no.2, pp.193-198, 2019 (Peer-Reviewed Journal)
12. **Odunun Emprenye Edilebilirliğini Etkileyen Faktörlerin Bulanık Analitik Hiyerarşi Prosesi ile Değerlendirilmesi**  
GÜRGEN A., YILDIZ S., YILDIZ Ü. C.  
BARTIN ORMAN FAKÜLTESİ DERGISİ, vol.21, no.2, pp.1-11, 2019 (Peer-Reviewed Journal)
13. **Radionuclide Activity Concentrations of Agaricus bisporus and Pleurotus ostreatus Mushrooms Cultivated in Different Commercial Companies**  
GÜRGEN A., YILDIZ S., ÇEVİK U., ÇELİK A.  
Journal of International Environmental Application and Science, vol.14, no.1, pp.13-20, 2019 (Peer-Reviewed Journal)
14. **Assessment of Metal Contents in Hydnum rufescens, Macrolepiota procera Mushrooms Collected from Turkey**  
GÜRGEN A., YILDIZ S., ÇEVİK U., YILDIZ Ü. C.  
Kastamonu University Journal of Engineering and Science, vol.4, no.2, pp.15-21, 2018 (Peer-Reviewed Journal)
15. **Evaluation of Olive and Date-plum Tree Heartwoods' Essentials Oils' in Cologne Production and Determination of Consumer Attitudes**  
GÜRGEN A., YILMAZ B., USTAÖMER D., TOPALOĞLU E., YILDIZ S., DENİZ İ.  
Turkish Journal of Life Sciences, vol.3, no.2, pp.267-271, 2018 (Peer-Reviewed Journal)
16. **Determination of mushroom consumption preferences by using fuzzy analytic hierarchy process**  
GÜRGEN A., YILDIZ S., YILDIZ Ü. C.  
EURASIAN JOURNAL OF FOREST SCIENCE, vol.6, no.3, pp.25-34, 2018 (Peer-Reviewed Journal)
17. **Antioxidant Properties of Some Herbal Teas (Green tea, Senna, Corn Silk, Rosemary) Brewed at Different Temperatures**  
KILIÇ C., CAN Z., GÜRGEN A., YILDIZ S., TURNA H.  
International Journal of Secondary Metabolite, no.4, pp.142-148, 2017 (Peer-Reviewed Journal)
18. **Protein Contents and Antioxidant Properties of Pleurotus ostreatus cultivated on tea and espresso wastes**  
GÜRGEN A., YILDIZ S., KILIÇ C., CAN Z.  
International Journal of Secondary Metabolite, vol.4, no.3, pp.177-186, 2017 (Peer-Reviewed Journal)
19. **Antimicrobial and Anti-Quorum Sensing Activity of Some Wild Mushrooms Collected from Turkey**  
TABBOUCHE S., GÜRGEN A., YILDIZ S., KILIÇ A. O., SÖKMEN M.  
MSU Journal of Science, no.5, pp.453-457, 2017 (Peer-Reviewed Journal)
20. **In vitro bioactive properties of some wild mushrooms collected from Kastamonu province**  
YILDIZ S., GÜRGEN A., CAN Z.  
Kastamonu Univ., Journal of Forestry Faculty, no.17, pp.523-530, 2017 (Peer-Reviewed Journal)
21. **Utilization of Pasteurization Liquid Obtained from Chestnut (Castanea sativa) Sawdust as Wood Preservative**

- YILDIZ S., GÜRGEN A., KILIÇ C.  
Mugla Journal of Science and Technology, vol.3, no.1, pp.16-19, 2017 (Peer-Reviewed Journal)
22. **Utilization of Pasteurisation Liquid Obtained from Chestnut (*Castanea sativa*) Sawdust as Wood Preservative**  
YILDIZ S., GÜRGEN A., KILIÇ C.  
Mugla Journal of Science and Technology, no.3, pp.16-19, 2017 (Peer-Reviewed Journal)
23. **Total Phenolic, Flavonoid, Tannin Contents and Antioxidant Properties of *Pleurotus ostreatus* and *Pleurotus citrinopileatus* cultivated on various sawdust**  
YILDIZ S., YILMAZ A., CAN Z., KILIÇ C., YILDIZ Ü. C.  
The Journal of Food, vol.42, no.3, pp.315-323, 2017 (Peer-Reviewed Journal)
24. **Total Phenolics, Flavonoids, Tannin Contents and Antioxidant Properties of *Pleurotus ostreatus* Cultivated on Different Wastes and Sawdust**  
YILMAZ A., YILDIZ S., KILIÇ C., CAN Z.  
International Journal of Secondary Metabolite, vol.4, pp.1-9, 2017 (Peer-Reviewed Journal)
25. **Trabzon da Mantar Tüketimi ve Mantar Tüketim Alışkanlıklarının Belirlenmesi**  
YILMAZ A., YILDIZ S., YILDIRIM İ., AYDIN A.  
Mantar Dergisi, vol.7, no.2, pp.135-142, 2016 (Peer-Reviewed Journal)
26. **Trabzon'da Mantar Tüketim ve Tüketim Alışkanlıklarının Belirlenmesi**  
YILMAZ A., YILDIZ S., YILDIRIM İ., AYDIN A.  
MANTAR DERGİSİ, vol.7, no.2, pp.135-142, 2016 (Peer-Reviewed Journal)
27. **Total Phenolic Content, Antioxidant and Antimicrobial Properties of *Pleurotus ostreatus* Grown on Lime (*Tilia tomentosa*) Leaves**  
YILMAZ A., YILDIZ S., TABBOUCHE S., KILIÇ A. O., CAN Z.  
HACETTEPE JOURNAL OF BIOLOGY AND CHEMISTRY, no.44, pp.119-124, 2016 (Peer-Reviewed Journal)
28. **Total Phenolic Content Antioxidant and Antimicrobial Properties of *Pleurotus ostreatus* Grown on Lime *Tilia tomentosa* Leaves**  
YILMAZ A., YILDIZ S., Tabbouche S., KILIÇ A. O., CAN Z.  
Hacettepe Journal of Biology and Chemistry, vol.2, no.44, pp.119, 2016 (Peer-Reviewed Journal)
29. **Determination of Heavy Metal and Radioactivity in *Agaricus campestris* Mushroom Collected from Kahramanmaraş and Erzurum Provinces**  
YILMAZ A., YILDIZ S., ÇELİK A., ÇEVİK U.  
Turkish Journal of Agriculture - Food Science and Technology, vol.4, no.3, pp.208-215, 2016 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

1. **Antioxidant and Antimicrobial Activities of *Pleurotus djamor* Cultivated in Various Composts**  
YILDIZ S., GÜRGEN A., SEVİNDİK M.  
2. International GAP Conference On Mathematics- Engineering- Science and Medical Studies, Adiyaman, Turkey, 21 - 23 June 2019, pp.279-286
2. **Modeling Water Intake Properties of Heat-Treated Beech and Spruce Wood Treated at Different Temperatures Using by Artificial Neural Networks**  
GÜRGEN A., YILDIZ S.  
2. International GAP Conference On Mathematics- Engineering- Science and Medical Studies, Adiyaman, Turkey, 21 - 23 June 2019, pp.111-118
3. **Assessment of Metal Contents in *Hydum rufescens*, *Macrolepiota procera* Mushrooms Collected from Turkey**  
GÜRGEN A., YILDIZ S., ÇEVİK U., YILDIZ Ü. C.  
1. INTERNATIONAL TECHNOLOGICAL SCIENCES AND DESIGN SYMPOSIUM, 27 - 29 July 2018, vol.1887
4. **Usage Possibilities of Flaxseed (*Linum usitatissimum*) As Growth Medium for *Coniophora puteana***

## **Fungi**

YILDIZ Ü. C., GÜRGEN A., YILDIZ S.

International Forest Products Congress - ORENKO 2018, Trabzon, Turkey, 26 - 29 September 2018, pp.118

5. **Antioxidant, Antimicrobial and Anti-Quorum Sensing Activities of Usnea filipendula and Viscum album**  
YILDIZ S., GÜRGEN A., KILIÇ C., SANA T., KILIÇ A. O., CAN Z.  
THE INTERNATIONAL FOREST PRODUCTS CONGRESS, 26 - 29 September 2018
6. **Antioxidant, Antimicrobial and Anti-Quorum Sensing Activities of Usnea Filipendula and Viscum Album**  
YILDIZ S., GÜRGEN A., KILIÇ C., TABBOUCHE S., KILIÇ A. O., CAN Z.  
International Forest Products Congress - ORENKO 2018, Trabzon, Turkey, 26 - 29 September 2018, pp.19
7. **Usage Possibilities of Flaxseed (Linum usitatissimum) As Growth Medium for Coniophora puteana Fungi”, International Forest Products Congress**  
YILDIZ Ü. C., GÜRGEN A., YILDIZ S.  
International Forest Products Congress - ORENKO 2018, 26 - 29 September 2018, pp.118
8. **Comparison of Quorum Sensing Inhibition and Antimicrobial Properties of Some Commercial and Wild Mushrooms Extracted with Supercritical CO<sub>2</sub>**  
YILDIZ S., GÜRGEN A., TABBOUCHE S., SERDAR G., Sökmen M., KILIÇ A. O.  
1. INTERNATIONAL TECHNOLOGICAL SCIENCES AND DESIGN SYMPOSIUM, Giresun, Turkey, 27 - 29 June 2018, pp.610
9. **Trabzon'dan Toplanan Bazı Mantarların Anti-Mikrobiyal Özellikleri ve Mikroorganizmalar Arası Çoğunluğu Algılama (Quorum Sensing) Mekanizmasını Engelleme Kapasitelerinin Belirlenmesi**  
YILDIZ S., GÜRGEN A., TABBOUCHE S., KILIÇ A. O., SÖKMEN M.  
IV. ULUSAL ORMANCILIK KONGRESİ, Turkey, 15 - 17 November 2017, pp.85-94
10. **Determination of Radioactivity Levels In Some Wild Mushrooms Collected From Black Sea Region**  
GÜRGEN A., YILDIZ S., ÇELİK A., ÇEVİK U.  
International Multidisciplinary Congress of Eurasian, 22 - 24 August 2017
11. **Determination of radioactivity levels in some wild edible mushrooms collected from Black Sea region**  
GÜRGEN A., YILDIZ S., Çelik A., ÇEVİK U.  
International Multidisciplinary Congress of Eurasian, Roma, Italy, 22 - 24 August 2017, pp.1
12. **Antimicrobial and Anti-Quorum Sensing Activity of Some Wild Mushrooms Collected from Turkey**  
TABBOUCHE S., GÜRGEN A., YILDIZ S., KILIÇ A. O., SÖKMEN M.  
International Multidisciplinary Congress of Eurasian, Roma, Italy, 22 - 24 August 2017, pp.1
13. **Potential utilization of Acacia dealbata extract as bio-productive agent**  
KILIÇ C., GÜRGEN A., YILDIZ S., YILDIZ Ü. C.  
IUFRO INAFOR Joint International Conference 2017, Yogyakarta, Indonesia, 24 - 27 July 2017, pp.133
14. **Possibility of using lichen (Usnea filipendula) and mistletoe (Viscum album L.) extracts as potential natural wood preservative**  
YILDIZ Ü. C., GÜRGEN A., YILDIZ S., KILIÇ C.  
48. IRG (International Research Group on Wood Protection) Annual Meeting, Ghent, Belgium, 4 - 08 June 2017, pp.1-7
15. **Decay Resistance of Scotch pine Wood Impregnated with Agaricus campestris Bio-Protective Extract**  
YILDIZ S., YILDIZ Ü. C., GÜRGEN A.  
48th IRG Annual Meeting, Ghent, Belgium, 4 - 08 June 2017, pp.1-11
16. **Protein Contents and Antioxidant Properties of Pleurotus ostreatus cultivated on tea and espresso wastes**  
YILMAZ A., YILDIZ S., KILIÇ C., CAN Z.  
1st International Congress on Medical and Aromatic Plants, Konya, Turkey, 10 - 12 May 2017, pp.329
17. **Antioxidant Properties of Some Non-Wood Forest Products at Different Temperatures**  
KILIÇ C., CAN Z., YILMAZ A., YILDIZ S., TURNA H.

1st International Congress on Medical and Aromatic Plants, Konya, Turkey, 10 - 13 May 2017, pp.1

18. **Some Bioactive Properties of Five Wild mushroom Species Collected from Trabzon**  
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YILMAZ A., YILDIZ S., TABBOUCHE S., KILIÇ A. O., CAN Z.

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YILDIZ S., YILMAZ A., SANA T., KILIÇ A. O., KOLAYLI S.

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**35. Doğal Olarak Yetişen ve Yenebilen Bazı Mantar Türlerinde Radyoaktif Kirliliğinin İncelenmesi**

YILMAZ A., OKAN O. T., YILDIZ S., DENİZ İ.

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**36. Wild Edible Mushrooms Having an Important Potential in East Black Sea Region**

OKAN O. T., DENİZ İ., YILDIZ S., YILMAZ A., BARUTÇIYAN J.

Uluslararası Kafkas Ormançılık Sempozyumu, Kahramanmaraş, Turkey, 24 - 26 October 2013, pp.673-680

## Other Publications

**1. MANTAR EKSTRAKTI İLE BAKTERİLERİN ÇEVREYİ ALGILAMA (QUORUM SENSİNG) AKTİVİTELERİNİ DURDURMA**

GÜRGEN A., TABBOUCHE S.

Other, pp.44, 2017

**2. Mantarlarda Olası Radroaktivite Birikimive Etkileri**

Yılmaz A., Yıldız S.

Other, pp.12-15, 2015

**3. Farklı Yönleriyle Makrofunguslar**

YILMAZ A.

Other, pp.3-7, 2015

## Memberships / Tasks in Scientific Organizations

Orman Mühendisleri Odası, Member, 2012 - Continues

## Scientific Refereeing

EUROPEAN JOURNAL OF WOOD AND WOOD PRODUCTS, Journal Indexed in SCI-E, August 2021

DRVNA INDUSTRIJA, Journal Indexed in SCI-E, July 2020

wood Material Science & engineering, Journal Indexed in ESCI, July 2020

Middle East Journal of Science, Other Indexed Journal, May 2020

Computers and Electronics in Agriculture, SCI Journal, April 2020

Postharvest Biology and Technology, SCI Journal, February 2020

International Journal of Environmental Analytical Chemistry, SCI Journal, January 2020  
NET Journals- Advancement in Medicinal Plant Research, Other Indexed Journal, October 2019  
Net Journal of Agricultural Science, Other Indexed Journal, June 2019  
BioResources, SCI Journal, February 2019  
Advancement in Medicinal Plant Research, Other Indexed Journal, February 2019  
Indian Journal of Natural Products and Resources, Other journals, December 2018  
Turkish Journal of Life Sciences, Other Indexed Journal, October 2018  
Journal of Bartın Faculty of Forestry, Other Indexed Journal, April 2018  
International Journal of Secondary Metabolites, Other Indexed Journal, April 2018

## Tasks In Event Organizations

Gürgen A., 6. Uluslararası Mobilya Kongresi, Scientific Congress, Trabzon, Turkey, Kasım 2020

## Metrics

Publication: 84  
Citation (WoS): 65  
Citation (Scopus): 65  
H-Index (WoS): 6  
H-Index (Scopus): 6

## Congress and Symposium Activities

2. International GAP Conference On Mathematics- Engineering- Science and Medical Studies, Attendee, Adiyaman, Turkey, 2019  
International Forest Products Congress - ORENKO 2018, Attendee, Trabzon, Turkey, 2018  
1. International Technological Sciences and Design Symposium, Attendee, Giresun, Turkey, 2018  
IV. International Multidisciplinary Congress of Eurasia, Attendee, Roma, Italy, 2017  
1st International Congress on Medical and Aromatic Plants, Attendee, Konya, Turkey, 2017  
International Forestry Symposium (IFS 2016), Attendee, Kastamonu, Turkey, 2016  
X. Yemeklik Mantar Kongresi, Attendee, Adana, Turkey, 2015  
XXVIIth International Conference Research for Furniture Industry,, Attendee, Ankara, Turkey, 2015  
Ekoloji 2015 VI Ulusal Ekoloji Sempozyumu, Attendee, Sinop, Turkey, 2015  
Ulusal Mikoloji günleri, Attendee, Erzurum, Turkey, 2014  
International Caucasian Forestry Symposium, Attendee, Artvin, Turkey, 2013

## Research Areas

algorithms, Heuristic Methods, Restoration, Cellulosic Materials