

## Res. Asst. BİLGE YILMAZ

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAJ-7607-2021

ScopusID: 57220705408

Yoksis Researcher ID: 183741

### Education Information

Doctorate, Karadeniz Technical University, Orman Fakültesi, Orman Endüstri Mühendisliği, Turkey 2015 - 2023

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Lif Ve Kağıt Teknolojisi A.B.D, Turkey 2012 - 2015

Undergraduate, Istanbul University, Orman Fakültesi, Orman Endüstri Mühendisliği, Turkey 2003 - 2007

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, DOĞAL KOLOFAN VE PETROKİMYASAL REÇİNE DEN TERMOPLASTİK YOL ÇİZGİ BOYASI ÜRETİMİ, Karadeniz Technical University, Orman Fakültesi, Orman Endüstri Mühendisliği, 2023

Postgraduate, Abhazya, Bartın, Trabzon, Artvin, Hatay ve Samsun'da Yetiştirilen Defne (*Laurus nobilis* L.)'in Kimyasal

Özelliklerinin Belirlenmesi, Karadeniz Technical University, Orman End. Mühendisliği, Lif Ve Kağıt Teknolojisi, 2015

### Research Areas

Health Sciences, Pharmacology and Therapeutics, Professional Sciences, Pharmacognosy, Agricultural Sciences, Forestry, Forest Industry Engineering, Forest Products Chemistry and Technology, Non-wood forest products chemistry and technology

### Academic Titles / Tasks

Research Assistant PhD, Karadeniz Technical University, Orman Fakültesi, Orman Endüstri Mühendisliği, 2023 - Continues

Research Assistant, Karadeniz Technical University, Orman Fakültesi, Orman Endüstri Mühendisliği, 2011 - Continues

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

- I. **Development of biobased, sustainable and environmentally friendly glycerol ester rosins for the production of thermoplastic road marking paint**  
Yılmaz B., Deniz İ., Fazlı H., Bekircan O., Gültekin E., Pranovich A.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.141, no.38, 2024 (SCI-Expanded)
- II. **Sustainable Thermoplastic Road Marking Paint Production from Natural Modified Rosins**  
YILMAZ B., DENİZ İ., Fazlı H., BEKİRCAN O., Pranovich A., Karaogul E.  
BIORESOURCES, vol.19, no.2, pp.2160-2178, 2024 (SCI-Expanded)
- III. **Synthesis of Iso-amyl Ester Rosin and Its Evaluation as an Alternative to Paraffin in Medium Density Fiberboard Production**  
YILMAZ B., DENİZ İ., Fazlı H., GURSOY S., YANCI T., BENGÜ B.  
BIORESOURCES, vol.19, no.2, pp.2077-2091, 2024 (SCI-Expanded)
- IV. **An in Vitro Study on Antifungal Properties, Total Polyphenolic Content and Antioxidant Activity of Different Parts of Selected Fruit Trees**  
USTAÖMER D., Topaloglu E., YILMAZ B., Serencam H., DENİZ İ.  
DRVNA INDUSTRIJA, no.4, pp.355-363, 2020 (SCI-Expanded)

## Articles Published in Other Journals

- I. **INVESTIGATION OF SOME TREE BARK EXTRACTS AND ESSENTIAL OILS FOR ANTIOXIDANT, ANTIMICROBIAL AND ANTI-QUORUM SENSING ACTIVITIES**  
YILMAZ B., TABBOUCHE S., DENİZ İ., KILIÇ A. O., CAN Z.  
KASTAMONU UNIVERSITY JOURNAL OF FORESTRY FACULTY, 2024 (ESCI)
- II. **The Effects of cultivation area and altitude variation on the composition of fatty acids of *Laurus nobilis* L. berries in Northern Turkey and Abkhazia**  
YILMAZ B., DENİZ İ.  
EURASIAN JOURNAL OF FOREST SCIENCE, vol.6, no.4, pp.14-21, 2018 (Peer-Reviewed Journal)
- III. **Zeytin ve Kara Hurma Ağacı Öz Odunu Uçucu Yağlarından Kolonya Üretimi ve Tüketici Tutumlarının Belirlenmesi (Evaluation of Olive and Date-plum Tree Heartwoods' Essentials Oils' in Cologne Production and Determination of Consumer Attitudes)**  
Gürgen A., Yılmaz B., Ustaömer D., Topaloğlu E., Yıldız S., Deniz İ.  
Turkish Journal of Life Sciences, vol.3, no.2, pp.267-271, 2018 (Peer-Reviewed Journal)
- IV. **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)
- V. **The Effects of Cultivation Area and Altitude Variation on the Composition of Essential Oil of *Laurus nobilis* L. Grown in Eastern, Western and Central Karadeniz Region**  
YILMAZ B., DENİZ İ.  
International Journal of Secondary Metabolite (IJSM), vol.4, no.3, pp.187-194, 2017 (Peer-Reviewed Journal)

## Papers Published in Refereed Scientific Meetings

- I. **Gc-Ms Analysis of *Olea Europaea* L. and *Diospyros Lotus* L. Wood Essential Oils and Antioxidant Activity of Methanolic and Ethanolic Extracts**  
YILMAZ B., USTAÖMER D., TOPALOĞLU E., Keskin H., DENİZ İ., TÜMEN İ.  
4. Uluslararası Odun Dışı Orman Ürünleri Sempozyumu, Bursa, Turkey, 4 - 06 October 2018, vol.1, pp.15
- II. **EFFECT OF ACID RATIO USED ON THE RESIN YIELD IN THE PRODUCTION OF PINERESIN**

**(OLEORESIN) FROM (PINUS MARITIMA L.) AND RED PINE (PINUS BRUTIATEN.)**

DENİZ İ., KARAOĞUL E., YILMAZ B.

ORENKO 2018 International Forest Products Congress, 26 - 29 September 2018, vol.1

**III. DETERMINATION AND COMPARISATION OF PHENOLIC COMPONENTS OF LEAVES, BULBS AND ROOTS OF LEUCOJUM AESTIVUM L. GROWN IN SAKARYA AND BAFRA REGION**

DENİZ İ., ÖZGEN U., YILMAZ B., ŞENER S. Ö.

MESMAP-4 (The 4rd International Mediterranean Symposium on Medicinal and Aromatic Plants), Antalya, Turkey, 18 - 22 April 2018

**IV. The Effect of Storax Production Method on The Chemical Composition of Storax Essential Oil By SPME Method**

DENİZ İ., YAŞAR A., YILMAZ B.

The Second Japan - Turkey International Symposium on Pharmaceutical and Biomedical Sciences, Trabzon, Turkey, 11 - 12 September 2017, vol.1, pp.39

**V. The Effects of Cultivation Area and Altitude Variation on The Composition of Essential Oil of Laurus Nobilis L. Grown in Eastern, Western and Central Karadeniz Region.**

YILMAZ B., DENİZ İ.

1st INTERNATIONAL CONGRESS ON MEDICINAL AND AROMATIC PLANTS, Konya, Turkey, 10 - 12 May 2017, pp.187-195

**VI. THE EFFECTS OF CULTIVATION AREA AND ALTITUDE VARIATION ON COMPOSITION OF ESSENTIAL OIL OF LAURUS NOBILIS L. GROWN IN EASTERN, WESTERN AND CENTRAL KARADENİZ REGION**

YILMAZ B., DENİZ İ.

I. INTERNATIONAL CONGRESS on MEDICINAL and AROMATIC PLANTS: "NATURAL and HEALTHY LIFE", Konya, Turkey, 10 - 12 May 2017, pp.513

**VII. The Effects of Cultivation Area and Altitude Variation on Composition of Fatty Acids of Laurus nobilis L. Berries Grown in Eastern Western and Central Karadeniz Region and Abkhazia**

YILMAZ B., DENİZ İ.

MESMAP-3, Girne, Cyprus (Kktc), 13 - 16 April 2017, vol.1, pp.135

**VIII. Abhazya ve Trabzon da Yetişen Laurus nobilis L Meyvelerinin GC FID İle Yağ Asidi İçeriklerinin Karşılaştırılması**

YILMAZ B., DENİZ İ.

BİTKİSEL İLAÇ HAMMADDELERİ TOPLANTISI, Turkey, 1 - 05 September 2016

**IX. The effect of tyrosinase activation of the roots and leaves of Salvia forskahlei**

ŞENER S. Ö., YILMAZ B., BADEM M., KORKMAZ N., DENİZ İ., ÖZGEN U.

9th Joint Natural Products Conference 2016, 24 - 27 July 2016

**X. Determination of fatty acids contents on crude oil from the fruits of Carduus lanuginosus**

BADEM M., ŞENER S. Ö., KORKMAZ N., YILMAZ B., ÖZGEN U., ARABACI T.

9th Joint Natural Products Conference 2016, 24 - 27 July 2016

**XI. Determination of fatty acids contents on crude oil from fruits of Carduus lanuginosus**

BADEM M., ŞENER S. Ö., KORKMAZ N., YILMAZ B., ARABACI T., ÖZGEN U.

9th Joint Natural Products Conference 2016, 24 July 2016

**XII. The Isolation of Rosmarinic Acid from The Aerial Parts of Salvia forskahlei**

YILMAZ B., DENİZ İ., ÖZGEN U., ALTINTAŞ K., AYDIN İ.

European Non-Wood Forest Products (NWFPs) Network COST Action FP1203, Antalya, Turkey, 17 - 19 February 2016, pp.500

**XIII. Production of Resin from Red Pine Pinus brutia Ten and Maritima Pine Pinus pinaster with Acid Paste and Borehole Methods and Resin Amount Variation in Different Parts of the Tree**

DENİZ İ., Aydın İ., ALTINTAŞ K., YILMAZ B., OKAN O. T.

European Non-Wood Forest Products (NWFPs) Network COST Action FP1203 4th Workshop and 5th Management Committee Meeting, Antalya, Turkey, 17 - 19 February 2016, vol.1, pp.25

**XIV. The Isolation of Rosmarinic Acid from the Aerial Parts of Salvia forskahlei L. Growing in Turkey**

ÖZGEN U., DENİZ İ., YILMAZ B., ALTINTAŞ K., AYDIN İ.

European Non-Wood Forest Products (NWFPs) Network COST Action FP1203 4th Workshop and 5th Management Committee Meeting, Antalya, Turkey, 17 - 19 February 2016, pp.30

**XV. BOYA YAPIMINDA DEĞERLENDİRİLEN BAZI ODUN DIŐI BİTKİSEL ÜRÜNLER**

USTAÖMER D., YILMAZ B., AY N.

II. Uluslararası Odun DıŐı Orman Ürünleri Sempozyumu, 8 - 10 May 2014

**XVI. Some Non-Wood Plant Products Used for Dye Production**

USTAÖMER D., YILMAZ B., AY N.

3rd International Non-wood Forest Products Symposium, KahramanmaraŐ, Turkey, 8 - 10 May 2014

**XVII. ÜLKEMİZDE ASİT-PASTA YÖNTEMİ İLE REÇİNE (OLEORESİN) ÜRETİM ÇALIŐMALARI**

DENİZ İ., ODABAŐ SERİN Z., ÖZ M., YILMAZ B.

III. Uluslararası Odun DıŐı Orman Ürünleri Sempozyumu, KahramanmaraŐ, Turkey, 8 - 10 May 2014, vol.1, pp.507-522

**XVIII. Ülkemizde Asit-Pasta Yöntemi İle Reçine (Oleoresin) Üretim Çalışmaları**

DENİZ İ., ODABAŐ SERİN Z., ÖZ M., OKAN O. T., YILMAZ B., PEKEL M.

III. Uluslararası Odun DıŐı Orman Ürünleri Sempozyumu, KahramanmaraŐ, Turkey, 8 - 10 May 2014, pp.507-522

**XIX. Boya yapımında Değerlendirilen Bazı Odun DıŐı Bitkisel Ürünler**

USTAÖMER D., YILMAZ B., AY N.

3rd International Non-wood Forest Products Symposium, KAHRAMANMARAŐ, TÜRKİYE, 8 - 10 May 2014

## Supported Projects

YILMAZ B., USTAÖMER D., BIYIKLIOĐLU Z., DENİZ İ., TEMİZ A., KÖSE DEMİREL G., FAZLI H., AKÇAY S. B., HEKİMOĐLU G., Project Supported by Higher Education Institutions, Modifiye Kolofan ve Bitkisel Epoksi Yağ Kullanımının Odun ve MDF Levha Özelliklerine Etkisi, 2024 - Continues

DENİZ İ., KOYUNCU İ., YILMAZ B., DALU M. K., KURT A., KARAOĐUL E., DURAN C., Project Supported by Higher Education Institutions, Olibanum Boswellia papyrifera ve Myrrh Commiphora myrrha Sakızlarının Gıda ve Saėlık Alanında Değerlendirilmesi, 2023 - 2024

Yılmaz B., Deniz İ., TUBITAK Project, ÇAM REÇİNESİNDEN FUZEL YAĐI MODİFİKASYONU İLE BİYOPOLİMER ÜRETİMİ, 2021 - 2022

Deniz İ., Bekircan O., Yıldırım İ., TUBITAK Project, Çam Reçinesi Kolofanından Termoplastik Yol Çizgi Boyası Üretimi, 2021 - 2022

DENİZ İ., YILMAZ B., ÖZGEN U., YAŐAR A., AYDIN İ., ALTINTAŐ K., Project Supported by Higher Education Institutions, Göl Soėanı *Leucojum aestivum* L Soėan Yaprak ve Çiçekli Gövdesindeki Alkaloitler Fenolik ve Uçucu Bileşenlerin Analizleri, 2016 - 2020

DENİZ İ., AYDIN İ., ALTINTAŐ K., YILDIRIM İ., ÖZGEN U., YILMAZ B., YAŐAR A., Project Supported by Higher Education Institutions, Sıėla Yaėının Üretim Yönteminin Yaėın Verim ve Kimyasal Bileşimine Etkisi, 2016 - 2017

Yılmaz B., Deniz İ., Project Supported by Higher Education Institutions, ABHAZYA, ARTVİN, TRABZON, SAMSUN, BARTIN VE HATAY BÖLGESİNDE YETİŐEN DEFNE (*Laurus nobilis* L.)'NİN YAPRAK VE MEYVELERİNİN UÇUCU YAĐ VE YAĐ ASİTLERİNİN BELİRLENMESİ, 2013 - 2014

## Metrics

Publication: 28

Citation (WoS): 3

Citation (Scopus): 3

H-Index (WoS): 2

H-Index (Scopus): 1

## **Scholarships**

Training School -BUSINESS DEVELOPMENT FOR ACTIVE AND INTELLIGENT PACKAGING, Other International Organizations, 2018 - Continues  
Erasmus + Staj Bursu, European Commission, 2020 - 2020

## **Awards**

Yılmaz B., Deniz İ., Fazlı H., ISIF 23 Teknofest Patent Yarışması Gümüş Madalya, Isif 23 Teknofest Patent Yarışması, May 2023  
Yılmaz B., 2006-2007 Eğitim Öğretim Yılı Mezuniyeti Fakülte Birinciliği, İstanbul Üniversitesi Orman Fakültesi, July 2007

## **Non Academic Experience**

TC GARANTİ BANKASI, MÜŞTERİ YETKİLİSİ