

Res. Asst. PhD ANIL ORHAN AKAY

Personal Information

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Education Information

Doctorate, İstanbul University-Cerrahpaşa, Institute Of Graduate Education, Department Of Forest Engineering, Turkey
2017 - 2021

Postgraduate, İstanbul University, Institute Of Graduate Studies In Sciences, Orman Mühendisliği Anabilim Dalı Orman
Mühendisliği Tezli Yüksek Lisans Programı, Turkey 2013 - 2016

Undergraduate, İstanbul University, Orman Fakültesi, Orman Mühendisliği, Turkey 2009 - 2013

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Education Management and Planning, Eğiticinin Eğitimi, Sakarya Üniversitesi Sürekli Eğitim Uygulama ve Araştırma
Merkezi, 2021

Dissertations

Doctorate, Transportation Planning of Forest Products by Using Fuzzy Multicriteria Decision Making Methods , İstanbul
University-Cerrahpaşa, Institute Of Graduate Education, Department Of Forest Engineering, 2021

Postgraduate, Yersel Lazer Tarayıcı ile Orman Yollarında Üst Yapının Zamansal Değişiminin Belirlenmesi, İstanbul
Üniversitesi, Fen Bilimleri Enstitüsü, Orman Mühendisliği, 2016

Research Areas

Agricultural Sciences, Forestry, Forest engineering, Forest Construction and Transport, Forest Roads, Forest Transport,
Forest Construction

Academic Titles / Tasks

Research Assistant PhD, İstanbul University-Cerrahpaşa, Faculty Of Forest, Department Of Forestry Engineering, 2021 -
Continues

Research Assistant, İstanbul University-Cerrahpaşa, Faculty Of Forest, Department Of Forestry Engineering, 2018 - 2021

Research Assistant, İstanbul University, Orman Mühendisliği, 2016 - 2018

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

- I. **Evaluation of occupational accidents in forestry in terms of incidence, frequency, and severity rates in Turkey**
Akay A. O. , Akgul M., Esin A. İ. , Senturk N.
INTERNATIONAL JOURNAL OF FOREST ENGINEERING, 2022 (Journal Indexed in SCI)
- II. **Comparison of LiDAR-based morphometric analysis of a drainage basin with results obtained from UAV, TOPO, ASTER and SRTM-based DEMs**
Esin A. İ. , Akgül M., Akay A. O. , Yurtseven H.
Arabian Journal of Geosciences, vol.14, no.5, 2021 (Journal Indexed in SCI)
- III. **Evaluation of occupational accidents in forestry in Europe and Turkey by k-means clustering analysis**
Akay A. O. , Akgul M., Esin A. İ. , Demir M., Senturk N., Ozturk T.
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.45, no.4, pp.495-509, 2021 (Journal Indexed in SCI)
- IV. **Analysis of factors associated with the amount of forest road reconstruction activity in Turkey: Autoregressive distributed lag modelling approach**
Akay A. O. , Akgul M., Demir M., Acar H. H.
FOREST ECOLOGY AND MANAGEMENT, vol.458, 2020 (Journal Indexed in SCI)
- V. **High accuracy monitoring system to estimate forest road surface degradation on horizontal curves**
Yurtseven H., Akgul M., Akay A. O. , Akburak S., Cigizoglu H. K. , Demir M., Ozturk T., Eksi M.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.191, no.1, 2019 (Journal Indexed in SCI)
- VI. **Individual tree measurements in a planted woodland with terrestrial laser scanner**
Yurtseven H., Coban S., Akgul M., Akay A. O.
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.43, no.2, pp.192-208, 2019 (Journal Indexed in SCI)
- VII. **POTENTIAL IMPACTS OF WEATHER AND TRAFFIC CONDITIONS ON ROAD SURFACE PERFORMANCE IN TERMS OF FOREST OPERATIONS CONTINUITY**
Akgul M., Akburak S., Yurtseven H., Akay A. O. , Cigizoglu H. K. , Demir M., Ozturk T., Eksi M.
APPLIED ECOLOGY AND ENVIRONMENTAL RESEARCH, vol.17, no.2, pp.2533-2550, 2019 (Journal Indexed in SCI)
- VIII. **Assessment of risk factors in forest road design and construction activities with fuzzy analytic hierarchy process approach in Turkey**
Akay A. O. , Demir M., Akgul M.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.190, no.9, 2018 (Journal Indexed in SCI)
- IX. **DETERMINATION OF TEMPORAL CHANGES ON FOREST ROAD PAVEMENT WITH TERRESTRIAL LASER SCANNER**
Akay A. O. , Akgul M., Demir M.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.27, pp.1437-1448, 2018 (Journal Indexed in SCI)
- X. **Short term monitoring of forest road pavement degradation using terrestrial laser scanning**
Akgul M., Yurtseven H., Akburak S., Demir M., Cigizoglu H. K. , Ozturk T., Eksi M., Akay A. O.
MEASUREMENT, vol.103, pp.283-293, 2017 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Analysis of Occupational Accidents Occurred in The Forestry Sector in Turkey**
Akgül M., Esin A. İ. , Akay A. O. , Şentürk N., Acar H. H.
Bartın Orman Fakültesi Dergisi, vol.23, no.2, pp.614-623, 2021 (National Refreed University Journal)
- II. **Orman Yollarında Kazı-Dolgu Miktarlarının Hesaplanmasında Topoğrafik Harita Tabanlı Geleneksel Yöntem ile Bilgisayar Destekli Yöntemin Karşılaştırılması**
ŞENTÜRK N., AKGÜL M., ÖZTÜRK T., AKAY A. O.
BARTIN ORMAN FAKÜLTESİ DERGİSİ, vol.20, no.3, pp.618-626, 2018 (International Refereed University Journal)

Refereed Congress / Symposium Publications in Proceedings

I. In Situ Monitoring of Forest Road Surface With Terrestrial Laser Scanner

YURTSEVEN H., AKGÜL M., AKBURAK S., Cıgızođlu H. K. , DEMİR M., ÖZTÜRK T., AKAY A. O. , EKŞİ M.

Formec 2017- Innovation the Competitive Edge: From Research to Impact in the Forest Value Chain, Brasov, Romania, 25 - 29 September 2017, vol.1, no.1, pp.293

II. Comparison of Drone Based Photogrammetry and Terrestrial Laser Scanning for Forest Road Surface Modeling

YURTSEVEN H., DEMİR M., AKGÜL M., AKAY A. O.

1st International Symposium of Forest Engineering and Technologies (FETEC 2016), Bursa, Turkey, 2 - 04 June 2016, pp.22

Supported Projects

AKGÜL M., AKAY A. O. , YURTSEVEN H., Project Supported by Higher Education Institutions, Orman Yollarındaki Mevsimsel Bozulmanın Dikey İniş Kalkış ve Yatay Seyir Yapabilen VTOL İHA Sistemleri ile İncelenmesi, 2018 - 2021

AKGÜL M., YURTSEVEN H., AKAY A. E. , CİGİZOĞLU K., DEMİR M., ÖZTÜRK T., AKBURAK S., EKŞİ M., AKAY A. O. , Project Supported by Higher Education Institutions, Yersel Lazer Tarayıcı Sistemler ile Yol Deformasyonunun Belirlenmesi, 2017 - 2018

Akgül M., Yurtseven H., Akburak S., Demir M., Öztürk T., Ekşi M., TUBITAK Project, Üst Yapılı Orman Yollarında Rekreatyonel Araç Kullanımı ile Meteorolojik Dış Etkenlerin Degredasyona ve Üst Yapı Sıkışma Oranına Etkisinin Saptanması, 2015 - 2018

Scientific Refereeing

ADVANCES IN MATERIALS SCIENCE AND ENGINEERING, Journal Indexed in SCI-E, April 2021

Mathematical Problems in Engineering, SCI Journal, October 2019

Journal of Environmental Science and Management, SCI Journal, October 2019

Edit Congress and Symposium Activities

VIII. Orman İnşaatı -Transportu ve Teknolojileri Çalıştayı, Attendee, Bartın, Turkey, 2019

VII. Orman İnşaatı-Transportu ve Teknolojileri Çalıştayı, Attendee, İstanbul, Turkey, 2018

Citations

Total Citations (WOS):50

h-index (WOS):5