

Asst. Prof. NECLA KORALAY

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: M-1406-2017

Yoksis Researcher ID: 28245

Education Information

Undergraduate, Istanbul University, Open And Distance Education Faculty, Geography, Turkey 2020 - Continues

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Turkey 2016 - 2022

Postgraduate, Karadeniz Technical University, Orman Fakültesi, Orman Mühendisliği Bölümü Havza Amenajmanı Anabilim Dalı, Turkey 2012 - 2015

Undergraduate, Ankara University, Çankırı Orman Fakültesi, Orman Mühendisliği Bölümü, Turkey 2006 - 2010

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Foreign Language, Yabancı Dil Eğitimi, Karadeniz Teknik Üniversitesi Yabancı Diller Yüksekokulu, 2016

Foreign Language, ÖYP Yabancı Dil Eğitimi, Ankara Üniversitesi Yabancı Diller Yüksekokulu, 2012

Dissertations

Doctorate, Söğütlü deresi havzasında erozyon-sel risk haritalarının oluşturulması ve toprak erozyonunun su kalitesine etkileri, Karadeniz Technical University, Fen Bilimleri Enstitüsü, 2022

Postgraduate, Solaklı Deresi Havzasında Nehir Tipi Hidroelektrik Santrallerin Su Kalitesine Etkileri, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Orman Mühendisliği Bölümü / Havza Amenajmanı Anabilim Dalı, 2015

Research Areas

Agricultural Sciences, Forestry, Forest engineering, Watershed Management, Watershed Management and Planning, Water Pollution and Quality, Soil and Water Protection, Pasture Ecology and Breeding, Environmental Pollution, Water Resources Development, Hydrology of Forest and Pasture, Utilization from Drought Areas, Land Reclamation

Academic Titles / Tasks

Assistant Professor, Karadeniz Technical University, Orman Fakültesi, Orman Mühendisliği, 2024 - Continues
Research Assistant PhD, Karadeniz Technical University, Orman Fakültesi, Orman Mühendisliği, 2022 - 2024
Research Assistant, Karadeniz Technical University, Orman Fakültesi, Orman Mühendisliği, 2011 - 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Assessment of flood risk in Söğütlü stream watershed of Trabzon province in Turkey using geographic information systems and analytic hierarchy process approach**
Koralay N., Kara Ö.
NATURAL HAZARDS, vol.120, pp.9977-10000, 2024 (SCI-Expanded)
- II. **Effects of run-of-the-river hydropower plants on the surface water quality in the Solakli stream watershed, Northeastern Turkey**
Koralay N., Kara Ö., Kezik U.
WATER AND ENVIRONMENT JOURNAL, vol.32, no.3, pp.412-421, 2018 (SCI-Expanded)

Articles Published in Other Journals

- I. **An Investigation into the Carbon and Total Nitrogen Content of Suspended Sediments in Değirmendere Watershed and Its Implications for Erosion Risk**
Koralay N., Kara Ö., Çakıroğlu K.
FORESTIST, vol.1, no.1, pp.1, 2024 (ESCI)
- II. **Effects of morphometric characteristics on flood in Degirmendere sub-watersheds, Northeastern Turkey**
KORALAY N., KARA Ö.
INTERNATIONAL JOURNAL OF RIVER BASIN MANAGEMENT, vol.21, no.2, pp.327-337, 2023 (ESCI)
- III. **Creating erosion risk map and determining sediment delivery ratio of the Trabzon-Değirmendere-Çatak subwatershed**
Koralay N., Kara Ö.
Ormançılık Araştırma Dergisi, vol.9, no.Özel Sayı, pp.41-54, 2022 (Peer-Reviewed Journal)
- IV. **Foldere Yağış Havzasında Rusle Yöntemine Göre Toprak Erozyonunun Belirlenmesi**
Kara Ö., Çakıroğlu K., Koralay N.
Bartın Orman Fakültesi Dergisi, vol.20, no.3, pp.638-652, 2018 (Peer-Reviewed Journal)
- V. **Forestry Activities and Surface Water Quality in a Watershed**
Koralay N., Kara Ö.
European Journal of Forest Engineering, vol.4, no.2, pp.33-45, 2018 (Peer-Reviewed Journal)

Papers Published in Refereed Scientific Meetings

- I. **CBS Tabanlı RUSLE Yöntemi Kullanılarak Değirmendere Çatak Alt Havzasının Erozyon Risk Haritasının Oluşturulması ve Sediment İletim Oranının Belirlenmesi**
Koralay N., Kara Ö.
IV. Ulusal Karadeniz Ormançılık Kongresi, Trabzon, Turkey, 6 - 09 December 2021
- II. **Land-cover Changes and Potential Impacts on Soil Erosion in a Watershed**
Koralay N., Kara Ö.
3. International Conference on Agriculture, Food, Veterinary and Pharmacy Sciences, Trabzon, Turkey, 16 - 18 April 2019, pp.1206-1220
- III. **Determination of Morphometric Characteristics in Değirmendere Watershed Using ArcGIS Software**
Koralay N., Kara Ö.

3. International Conference on Agriculture, Food, Veterinary and Pharmacy Sciences, Trabzon, Turkey, 16 - 18 April 2019, pp.1195-1204
- IV. **Morphometric Characterization and 3D design of Foldere Stream Watershed in Trabzon Province, Turkey**
Koralay N., Kara Ö.
INTERNATIONAL CONGRESS on AGRICULTURE and ANIMAL SCIENCES, Antalya, Turkey, 7 - 09 November 2018
- V. **Morphometric Analysis and 3D design of Meryemana Stream Watershed in Trabzon Province, Turkey**
Koralay N., Kara Ö.
1st International Symposium on Silvopastoral Systems and Nomadic Societies in Mediterranean Countries, Isparta, Turkey, 22 - 24 October 2018, pp.1-10
- VI. **Effects of Soil Erosion on Water Quality and Aquatic Ecosystem in a Watershed**
Koralay N., Kara Ö.
1st International Congress on Agriculture Structures and Irrigation, Antalya, Turkey, 26 - 28 September 2018, pp.1-10
- VII. **Effects of River Type Hydropower Plants on Water Quality in Solaklı Watershed**
KORALAY N., KARA Ö., KEZİK U.
International Forestry Symposium- IFS 2016, Kastamonu, Turkey, 3 - 06 October 2016, vol.00, no.0
- VIII. **Determining Watershed Geomorphology of Solaklı Stream in Trabzon Province, Turkey**
Koralay N., Kara Ö., Kezik U.
International Forestry Symposium, IFS2016,, Kastamonu, Turkey, 7 - 10 December 2016, vol.00, no.0
- IX. **Effects of Hydropower Plants on seasonal variety of some water quality parameters (Poster Presentation)**
KORALAY N., KARA Ö., KEZİK U.
Ecology and evolutionary biology symposium, Ankara, Turkey, 6 - 07 August 2015, vol.00, no.0
- X. **Possible Effects of Production Activities in Forests on Water Quality and Aquatic Ecosystem**
Koralay N., Kara Ö., Kezik U.
Üretim işlerinde Hassas Ormanlık Sempozyumu, Çankırı, Turkey, 4 - 06 June 2015, vol.00, no.0
- XI. **The Effect of River Type Hydroelectric Power Plants on Suspended Solids Amount**
Koralay N., Kara Ö., Kezik U.
Ekoloji2015, Sinop, Turkey, 6 - 09 May 2015, vol.00, no.0, pp.0-487
- XII. **Solaklı Deresinde Askıda Katı Madde Miktarının Zamansal Değişimi**
KORALAY N., KARA Ö., KEZİK U.
I.Ulusal Havza Yönetimi Sempozyumu, Çankırı, Turkey, 10 - 12 September 2014, pp.48

Supported Projects

Kara Ö., Project Supported by Higher Education Institutions, Söğütlü Deresi Havzasında Erozyon-Sel Risk Haritasının Oluşturulması ve Toprak Erozyonunun Su Kalitesine Etkileri, 2019 - 2023

Activities in Scientific Journals

Ormanlık Araştırma Dergisi, Editor, 2022 - Continues

Metrics

Publication: 23

Citation (WoS): 22

Citation (Scopus): 15

H-Index (WoS): 2

H-Index (Scopus): 2

Congress and Symposium Activities

IV. Ulusal Karadeniz Ormancılık Kongresi, Attendee, Trabzon, Turkey, 2021

3. International Conference on Agriculture, Food, Veterinary and Pharmacy Sciences, Attendee, Trabzon, Turkey, 2019

International Congress on Agriculture and Animal Sciences, Attendee, Antalya, Turkey, 2018

1st International Symposium on Silvopastoral Systems and Nomadic Societies in Mediterranean Countries 2018 (ISNOS-MED 2018), Attendee, Isparta, Turkey, 2018

1st International Congress on Agriculture Structures and Irrigation, Attendee, Antalya, Turkey, 2018

International Forestry Symposium, IFS2016, Attendee, Kastamonu, Turkey, 2016

Ecology and evolutionary biology symposium, Attendee, Ankara, Turkey, 2015

Üretim işlerinde Hassas Ormancılık Sempozyumu, Attendee, Çankırı, Turkey, 2015

Ekoloji, Attendee, Sinop, Turkey, 2015

I.Ulusal Havza Yönetimi Sempozyumu, Attendee, Çankırı, Turkey, 2014

IV. Ulusal Havza Yönetimi Çalıştayı, Attendee, K.Maraş, Turkey, 2012

Awards

KORALAY N., Üniversite İkincisi, Çankırı Karatekin Üniversitesi, June 2010

Koralay N., Orman Fakültesi Birinciliği, Ankara Üniversitesi Çankırı Orman Fakültesi, June 2010

Non Academic Experience

Karadeniz Teknik Üniversitesi, Araştırma Görevlisi