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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAT-9465-2020

Yoksis Researcher ID: 102879

Education Information

Doctorate, Karadeniz Technical University, -, Lif ve Kağıt Teknolojisi, Turkey 2005 - 2011

Postgraduate, Karadeniz Technical University, -, Lif ve Kağıt Teknolojisi, Turkey 2001 - 2005

Undergraduate, Karadeniz Technical University, Orman Fakültesi, Orman Endüstri Mühendisliği, Turkey 1997 - 2001

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Education Management and Planning, Erasmus Personel Eğitim Alma Hareketliliği, University of Natural Resources and Life Sciences (Universität für Bodenkultur), 2015

Quality Management, TS EN ISO 9001 Kalite Yönetim Sistemi Temel Eğitimi, Türk Standartları Enstitüsü, 2015

Education Management and Planning, TARIMSAL ve DOĞA BİLİMLERİNE YÖNELİK ARAŞTIRMA PROJESİ HAZIRLAMA EĞİTİMİ, TÜBİTAK 2237, KTÜ Orman Fakültesi, 2014

Dissertations

Doctorate, Buğday (*Triticum aestivum*) Saplarından Çeşitli Yöntemlerle Elde Edilen Hamurların Ağartılma Karakteristiklerinin Belirlenmesi, Karadeniz Technical University, -, Lif ve Kağıt Teknolojisi, 2011

Postgraduate, Endüstriyel Kraft Hamurunun Ağartılmasında Yeni Yaklaşımlar, Karadeniz Technical University, -, Lif ve Kağıt Teknolojisi, 2004

Research Areas

Agricultural Sciences, Forestry, Forest Industry Engineering, Forest Products Chemistry and Technology, Forest

Products Chemistry, Pulp (pulp), Wood chemistry

Academic Titles / Tasks

Assistant Professor, Karadeniz Technical University, Arsin Meslek Yüksekokulu, Malzeme ve Malzeme İşletim Teknolojisi, 2011 - 2018

Research Assistant, Karadeniz Technical University, Orman Fakültesi, Orman Endüstri Mühendisliği, 2002 - 2011

Academic and Administrative Experience

Karadeniz Technical University, Arsin Meslek Yüksekokulu, 2012 - Continues

Karadeniz Technical University, Arsin Meslek Yüksekokulu, Malzeme Ve Malzeme İşleme Teknolojileri, 2011 - Continues

Karadeniz Technical University, Arsin Meslek Yüksekokulu, 2015 - 2018

Karadeniz Technical University, Arsin Meslek Yüksekokulu, 2015 - 2018

Karadeniz Technical University, Arslan Meslek Yüksekokulu, 2016 - 2016

Karadeniz Technical University, Arsin Meslek Yüksekokulu, 2012 - 2015

Courses

Ağaç Malzeme Teknolojisi, Associate Degree, 2022 - 2023

Yapay Levha Üretimi, Associate Degree, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

Mesleki Yabancı Dil, Associate Degree, 2018 - 2019, 2017 - 2018, 2016 - 2017

Masif Ağaç Malzeme, Associate Degree, 2018 - 2019, 2017 - 2018, 2016 - 2017

Mesleki Yabancı Dil, Associate Degree, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

İngilizce-II, Associate Degree, 2015 - 2016

Girişimcilik, Associate Degree, 2015 - 2016

İngilizce-II, Associate Degree, 2015 - 2016

Masif Ağaç Malzeme, Associate Degree, 2015 - 2016

İngilizce-II, Associate Degree, 2014 - 2015, 2013 - 2014, 2012 - 2013

Mesleki Yabancı Dil, Associate Degree, 2015 - 2016

Girişimcilik, Associate Degree, 2014 - 2015

İngilizce-I, Associate Degree, 2015 - 2016

Ahşap Levha Üretimi, Associate Degree, 2014 - 2015, 2013 - 2014

Yapay Levha Üretimi, Associate Degree, 2014 - 2015, 2013 - 2014

İngilizce-I, Associate Degree, 2015 - 2016

İngilizce-II, Associate Degree, 2014 - 2015, 2013 - 2014

Mesleki Deneyim-II, Associate Degree, 2014 - 2015, 2013 - 2014

Masif Mobilya, Associate Degree, 2013 - 2014, 2012 - 2013

İngilizce-I, Associate Degree, 2013 - 2014, 2012 - 2013

Mesleki Deneyim-I, Associate Degree, 2013 - 2014

Üst Yüzey İşlemleri, Associate Degree, 2013 - 2014

Jury Memberships

Post Graduate, Post Graduate, Muğla Sıtkı Koçman Üniversitesi, January, 2023

Post Graduate, Post Graduate, Artvin Çoruh Üniversitesi, January, 2020

Post Graduate, Post Graduate, Artvin Çoruh Üniversitesi, September, 2019

Post Graduate, Tez Savunma Jürisi, Artvin Çoruh Üniversitesi FBE, May, 2017

Post Graduate, Tez Savunma Jürisi, Artvin Çoruh Üniversitesi FBE, May, 2017

Post Graduate, Post Graduate, Artvin Çoruh Üniversitesi, July, 2015

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **EVALUATING SUITABLE CHELATING AGENTS FOR Q STAGE IN TCF BLEACHING OF WHEAT STRAW ALKALINE PULPS**
Kalyoncu E., KIRCI H., Peşman E.
CELLULOSE CHEMISTRY AND TECHNOLOGY, vol.57, no.7-8, pp.831-841, 2023 (SCI-Expanded)
- II. **ECO-FRIENDLY PULPING OF BANANA PSEUDO-STEM WASTES WITH POTASSIUM-BASED PROCESSES**
Ersoy Kalyoncu E.
CELLULOSE CHEMISTRY AND TECHNOLOGY, vol.56, no.1-2, pp.131-140, 2022 (SCI-Expanded)
- III. **Bacterial Cellulose as Reinforcement in Paper Made from Recycled Office Waste Pulp**
Ersoy Kalyoncu E., Pesman E.
BIORESOURCES, vol.15, no.4, pp.8496-8514, 2020 (SCI-Expanded)
- IV. **The Effects of Sodium Percarbonate and Perborate Usage on Pulping and Flotation Deinking Instead of Hydrogen Peroxide**
Pesman E., Imamoglu S., Kalyoncu E., Kirci H.
BIORESOURCES, vol.9, no.1, pp.523-536, 2014 (SCI-Expanded)
- V. **Sodium Perborate Usage instead of Hydrogen Peroxide for the Reinforcement of Oxygen Delignification**
Pesman E., Ersoy Kalyoncu E., Kirci H.
FIBRES & TEXTILES IN EASTERN EUROPE, vol.18, no.6, pp.106-109, 2010 (SCI-Expanded)
- VI. **Effect of anthraquinone on brightness value and crystalline structure of pulp during soda processes**
GÜMÜŞKAYA E., Kalyoncu E., Kirci H.
CHEMICAL PAPERS, vol.63, no.6, pp.670-676, 2009 (SCI-Expanded)

Articles Published in Other Journals

- I. **Farklı Biyopolimerler ile Kaplanmış Ağartılmamış Kraft Kâğıtlarının Mekanik ve Fiziksel Özellikleri**
ONDARAL M., ERSOY KALYONCU E.
Bartın Orman Fakültesi Dergisi, vol.26, no.1, pp.46-55, 2024 (Peer-Reviewed Journal)
- II. **The Effect of Bacterial Cellulose Used as an Additive in Paper Production on Filler Retention**
Göktürk B., Ersoy Kalyoncu E., Peşman E.
Recep Tayyip Erdoğan Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.4, no.2, pp.97-108, 2023 (Peer-Reviewed Journal)
- III. **Investigation of the NH₄OH-KOH Pulping Possibilities of Banana Pseudostem Wastes**
Ondaral M., Ersoy Kalyoncu E.
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.22, no.3, pp.662-674, 2022 (Peer-Reviewed Journal)
- IV. **Investigation of thermal and optical properties of waste newspaper with bacterial cellulose and borax additives**
Ersoy Kalyoncu E., Peşman E.
Ormanlık Araştırma Dergisi, vol.9, pp.229-237, 2022 (Peer-Reviewed Journal)
- V. **The evaluation of the efficiency of different waxes on some physical and surface properties of fiberboard**
Ustaömer D., Topaloğlu E., Ersoy Kalyoncu E.
Ormanlık Araştırma Dergisi, vol.9, pp.148-154, 2022 (Peer-Reviewed Journal)
- VI. **Muz yalancı gövde atığının kağıt hamuru ve kağıt üretimine uygunluğunun kimyasal ve morfolojik**

açıdan değerlendirilmesi

ERSOY KALYONCU E., ONDARAL M.

TURKISH JOURNAL OF FORESTRY, vol.22, no.2, pp.143-150, 2021 (Peer-Reviewed Journal)

VII. Some Properties of Fiberboard Manufactured with Wastes of Kraft Pulp Mill

USTAÖMER D., ERSOY KALYONCU E., KIRCI H.

Journal of Anatolian Environmental and Animal Sciences, vol.4, no.4, pp.632-637, 2019 (Peer-Reviewed Journal)

VIII. KISA DALGA BOYLARINDA UYGULANAN (254-366 NM) UV IŞINIMININ GERİ DÖNÜŞTÜRÜLEN VE AĞARTILAN ATIK GAZETE VE MAGAZİN KAĞIDI HAMURLARININ RENK DEĞERLERİ ÜZERİNE ETKİSİ

Peşman E., ERSOY KALYONCU E., KIRCI H.

ARTVİN ÇORUH ORMAN FAKÜLTESİ DERGİSİ, vol.12, no.1, pp.57-67, 2011 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. The Properties of Graphite-Guar Gum Coated Papers for Use in Electrical Conductivity-Required Areas**
Ersoy Kalyoncu E.
3rd International Conference on Innovative Academic Studies ICIAS 2023, Konya, Turkey, 26 - 28 September 2023, pp.246
- II. Physical and Mechanical Properties of the Unbleached Kraft Paper Coated with Different Biopolymers**
Ondaral M., Ersoy Kalyoncu E.
5th International Non-Wood Forest Products Symposium, Bartın, Turkey, 27 - 28 September 2023, pp.79
- III. ENHANCING THE FLAME RESISTANCE PROPERTIES OF KRAFT PAPERS USED AS ARCHIVE-STORAGE MATERIALS WITH SOME MCC/CMC REINFORCED CHEMICALS**
Ustaömer D., Ersoy Kalyoncu E.
9TH INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES (ICENS), Sarajevo, Bosnia And Herzegovina, 17 May - 21 July 2023, pp.31
- IV. Evaluation Fire-Resistance, Thermal and Optical Properties of Kraft Paper Using some Boron Compounds and Soy Protein Binders**
Ersoy Kalyoncu E., Ustaömer D.
International Design and Technology Symposium, Giresun, Turkey, 2 - 05 June 2022, pp.3-5
- V. Bakteriyel Selüloz ve Boraks Katkılı Atık Gazete Kâğıtlarının Termal ve Optik Özelliklerinin İncelenmesi**
Ersoy Kalyoncu E., Peşman E.
IV.Ulusal Karadeniz Ormanlık Kongresi, Trabzon, Turkey, 6 - 09 December 2021, pp.46
- VI. The evaluation of efficiency of different waxes on some physical and surface properties of fiberboard**
Ustaömer D., Topaloğlu E., Ersoy Kalyoncu E.
IV. Ulusal Karadeniz Ormanlık Kongresi', Trabzon, Turkey, 06 December 2021 - 09 April 2022, pp.49
- VII. Investigation the NH₄OH-KOH pulping possibilities of banana pseudo-stem wastes**
Ondaral M., Ersoy Kalyoncu E.
5th International İstanbul Scientific Research Congress, İstanbul, Turkey, 14 - 15 August 2021, vol.1, pp.99
- VIII. The Effects of Kraft Lignin and Bark Tannin Using as Additives in Urea-Formaldehyde (UF) Adhesive on Some Properties of Medium-Density Fiberboard (MDF)**
ERSOY KALYONCU E., USTAÖMER D., KIRCI H.
1. INTERNATIONAL TECHNOLOGICAL SCIENCES AND DESIGN SYMPOSIUM, Giresun, Turkey, 27 - 29 June 2018
- IX. Some Properties of Fiberboard Manufactured with Wastes of Kraft Pulp Mill**
USTAÖMER D., ERSOY KALYONCU E., KIRCI H.
International Forest Products Congress-ORENKO 2018, Trabzon, Turkey, 26 - 29 September 2018
- X. The Investigation of the Response Against to ECF and TCF Bleaching of Wheat Straw Alkaline Sulfite-**

Anthraquinone (AS-AQ) Pulp

ERSOY KALYONCU E., KIRCI H., Peşman E.

International Conference on Engineering and natural Science, Sarajevo, Bosnia And Herzegovina, 24 - 28 May 2016, pp.2387-2394

- XI. **Polyelectrolyte Complex And Layer By Layer Technique Of Starches**
ONDARAL S., ERGÜN M. E., Hocaoğlu G., ERSOY KALYONCU E.
FP1105 Workshop, Sen Sebastian, 25 - 26 May 2015
- XII. **Mobilyada Antropometri ve Ergonominin Önemi**
Ersoy Kalyoncu E., Uzun Y., Ondaral M.
II. ULUSAL MOBİLYA KONGRESİ, Denizli, Turkey, 11 - 13 April 2013, vol.1, pp.208-214
- XIII. **NEW DEVELOPMENTS ON PULP BLEACHING**
ERSOY KALYONCU E., KIRCI H., Peşman E.
1ST INTERNATIONAL TURKEY&JAPAN ENVIRONMENT AND FORESTRY SYMPOSIUM, Trabzon, Turkey, 4 - 06 November 2010, vol.2, pp.865-875
- XIV. **OKALİPTÜS KRAFT HAMURLARININ OCE VE CE KADEMELERİ İLE AĞARTILMASI**
ERSOY KALYONCU E., KIRCI H., Peşman E.
III. ULUSAL KARADENİZ ORMANCILIK KONGRESİ, Artvin, Turkey, 20 - 22 May 2010, vol.V, pp.1943-1950
- XV. **THE EFFECTS OF SODIUM PERBORATE USAGE OF COLOR PROPERTIES AND EFFECTIVE RESIDUAL INK CONCENTRATION OF PULP DURING RECYCLING OF OLD NEWS-MAGAZINE PAPER MIXTURE**
Peşman E., KIRCI H., ERSOY KALYONCU E.
4. ULUSLARARASI BOR SEMPOZYUMU, Eskişehir, Turkey, 15 - 17 October 2009, pp.95-101
- XVI. **OKALİPTÜS KRAFT HAMURLARININ AĞARTILMASINDA SODYUM BORHİDRÜRÜN KULLANILABİLİRLİĞİNİN ARAŞTIRILMASI**
ERSOY KALYONCU E., KIRCI H., Peşman E.
4. ULUSLARARASI BOR SEMPOZYUMU, Eskişehir, Turkey, 15 - 17 October 2009, pp.111-116
- XVII. **KİMYASAL KAĞIT HAMURLARININ AĞARTILMASINDA HEKSENURONİK ASİT GRUPLARININ ETKİSİ**
ERSOY KALYONCU E.
VI. ULUSAL ORMAN FAKÜLTELERİ ÖĞRENCİ KONGRESİ, Düzce, Turkey, 8 - 09 May 2008, pp.312-317
- XVIII. **OKALİPTÜS (EUCALYPTUS CAMADULENSIS) KRAFT HAMURLARININ OKSİJEN BAZLI BİLESİKLER İLE AĞARTILMASINDA YENİ YAKLASIMLAR**
KIRCI H., Peşman E., ERSOY KALYONCU E.
I. ULUSAL OKALİPTÜS SEMPOZYUMU, Mersin, Turkey, 15 - 17 April 2008, pp.94-100
- XIX. **ACTIVATION OF KRAFT PULPS WITH NITRIC ACID PRIOR TO OXYGEN DELIGNIFICATION**
ERSOY KALYONCU E., Peşman E.
IUFRO ALL DIVISION 5 CONFERENCE, FOREST PRODUCTS AND ENVIRONMENT: A PRODUCTIVE SYMBIOSIS, Taipei, Taiwan, 29 October - 02 November 2007, pp.97
- XX. **TAŞ MEKANİK KAĞIT HAMURUNUN SODYUM PERBORAT İLE AĞARTILMASI**
Peşman E., KIRCI H., ERSOY KALYONCU E.
III. ULUSLARARASI BOR SEMPOZYUMU, Ankara, Turkey, 2 - 04 November 2006, pp.75-79
- XXI. **BUĞDAY (Triticum aestivum L.) SAPLARINDAN SODA-OKSİJEN-PERBORAT (SOP) YÖNTEMİYLE KAĞIT HAMURU ÜRETİM KOŞULLARININ BELİRLENMESİ**
ERSOY KALYONCU E., KIRCI H., Peşman E.
III. ULUSLARARASI BOR SEMPOZYUMU, Ankara, Turkey, 2 - 04 November 2006, pp.71-74
- XXII. **PRODUCTION POSSIBILITY OF DISSOLVING GRADE PULP. PART1 : THE PRODUCTION OF ALPHA CELLULOSE PULP FROM WHEAT STRAW USING PREHYDROLISED SODA (PHS) METHOD**
KIRCI H., ERSOY KALYONCU E., Peşman E.
1. ULUSLARARASI ODUN DISI ORMAN ÜRÜNLERİ SEMPOZYUMU, Trabzon, Turkey, 1 - 04 November 2006, pp.146
- XXIII. **Doğu ladini (Picea orientalis (L.) link.) dipkütük ve köklerinden ekstraksiyon yöntemiyle reçine üretimi**
DENİZ İ., YAYLI N., KIRCI H., YAŞAR A., ERSOY KALYONCU E., Şahin H. İ.
Ladin Sempozyumu, Trabzon, Turkey, 20 - 22 October 2005, vol.2, pp.889-899

- XXIV. **KAĞIT HAMURU ÜRETİMİ VE AĞARTILMASINDA BİYOLOJİK YÖNTEMLERİN KULLANILMASI**
Peşman E., BORAN S., ERSOY KALYONCU E.
1. ÇEVRE VE ORMANCILIK ŞURASI, Antalya, Turkey, 22 - 24 March 2005, vol.3, pp.1081-1088
- XXV. **KRAFT HAMURUNUN OKSİJEN DELİGNİFİKASYONU KADEMESİNİN SODYUM PERBORAT MONOHİDRAT İLE TAKVİYE EDİLMESİ**
KIRCI H., Peşman E., ERSOY KALYONCU E.
II. ULUSLARARASI BOR SEMPOZYUMU, Eskişehir, Turkey, 23 - 25 September 2004, pp.339-343
- XXVI. **KAĞIT HAMURU ENDÜSTRİSİ VE ÇEVRE KİRLENMESİ**
ERSOY KALYONCU E., BORAN S., Peşman E.
V.ULUSAL ORMAN FAKÜLTELERİ ÖĞRENCİ KONGRESİ, Trabzon, Turkey, 29 April - 01 May 2004, pp.87-91
- XXVII. **NEW DEVELOPMENTS ON BLEACHING OF KRAFT PULP: IS BLEACHING BEING AN ENVIRONMENTALLY FRIENDLY TECHNOLOGY**
ERSOY KALYONCU E., KIRCI H.
31ST INTERNATIONAL FORESTRY STUDENTS' SYMPOSIUM, İstanbul, Turkey, 1 - 15 September 2003, pp.315-322

Other Publications

- I. **Polyelectrolyte Complex And Layer By Layer Technique Of Starches**
ONDARAL S., Ergün M. E., Hocaoglu G., ERSOY KALYONCU E.
Presentation, pp.10-13, 2015

Supported Projects

Ersoy Kalyoncu E., Project Supported by Higher Education Institutions, Application of Some Eco-friendly Flame Retardants with Soy Protein and Dextrin binders to Kraft Papers, 2023 - 2025
ERSOY KALYONCU E., ARIOĞLU H., DEMİR O., İPEK M., KANCA H. G., Project Supported by Higher Education Institutions, Arsin Meslek Yüksekokulu Öğrenci Uygulama ve Eğitim Atölyeleri Kurulumu için Makine Alımı, 2016 - 2018

Scientific Refereeing

BIORESOURCES, Journal Indexed in SCI-E, December 2022
BIORESOURCES, SCI Journal, August 2022
Project Supported by Higher Education Institutions, BAP Research Project, İstanbul University-Cerrahpaşa, Turkey, July 2022
BIORESOURCES, SCI Journal, February 2022
İleri Mühendislik Çalışmaları ve Teknolojileri Dergisi, Other Journals, September 2021
BIORESOURCES, SCI Journal, August 2021
Project Supported by Higher Education Institutions, BAP Research Project, İstanbul University-Cerrahpaşa, Turkey, July 2021
Project Supported by Higher Education Institutions, BAP Research Project, İstanbul University-Cerrahpaşa, Turkey, February 2021
Project Supported by Higher Education Institutions, BAP Research Project, İstanbul University-Cerrahpaşa, Turkey, January 2020
Project Supported by Higher Education Institutions, BAP Research Project, Artvin Coruh University, Turkey, May 2014

Metrics

Publication: 42

Citation (WoS): 29

Citation (Scopus): 30

H-Index (WoS): 3

H-Index (Scopus): 3