

Prof. MUSTAFA USTA

Personal Information

Email: usta@ktu.edu.tr

Web: <https://avesis.ktu.edu.tr//usta>

Address: Karadeniz Teknik Üniversitesi Orman Fakültesi Orman Endüstri Mühendisliği Bölümü Oda No:305 61080-
Trabzon(Merkez)

Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Orman Endüstri Mühendisliği A.B.D., Turkey 1985 - 1989

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Orman Endüstri Mühendisliği A.B.D., Turkey 1982 - 1985

Undergraduate, Karadeniz Technical University, Orman Fakültesi, Orman Endüstri Mühendisliği, Turkey 1978 - 1982

Dissertations

Doctorate, Sülfat Pişirmesinde Açığa Çıkan Toplam İndirgenmiş Kükürt (Trs) Bileşiklerinin Oksijenle Yükseltgenmesi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Orman Endüstri Mühendisliği A.B.D., 1989

Postgraduate, Soda-Oksijen Yöntemiyle Çavdar (Secale cereale L.) Saplarından Kağıt Hamuru Üretim Koşullarının Belirlenmesi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Lif Ve Kağıt Teknolojisi A.B.D., 1985

Research Areas

Agricultural Sciences, Forestry, Forest Industry Engineering, Forest Products Chemistry and Technology, Forest Products Chemistry, Pulp (pulp), Paper and cardboard production technology, Paper surface coating, Paper packaging technology, Paper recycling, Wood chemistry

Academic Titles / Tasks

Professor, Karadeniz Technical University, Orman Fakültesi, Orman Endüstri Mühendisliği, 1999 - Continues

Associate Professor, Karadeniz Technical University, Orman Fakültesi, Orman Endüstri Mühendisliği, 1994 - 1999

Assistant Professor, Karadeniz Technical University, Orman Fakültesi, Orman Endüstri Mühendisliği, 1990 - 1994

Research Assistant, Karadeniz Technical University, Orman Fakültesi, Orman Endüstri Mühendisliği, 1982 - 1990

Academic and Administrative Experience

Karadeniz Technical University, 2005 - Continues

Karadeniz Technical University, Fen Bilimleri Enstitüsü, 2001 - Continues

Karadeniz Technical University, Fen Bilimleri Enstitüsü, 1994 - Continues

Karadeniz Technical University, 1994 - 1997

Courses

Doctorate

Formasyon Sistemleri, Doctorate, 2014 - 2015

Doktora Tezi, Doctorate, 2014 - 2015

Kağıt Üretiminde Kullanılan Pres Düzenlemeleri, Doctorate, 2012 - 2013

Kağıt Kimyasalları, Doctorate, 2013 - 2014

Kağıt Yapımında Tutunma Mekanizmaları, Doctorate, 2013 - 2014

Kağıt Yapımında Tutunma Mekanizmaları, Doctorate, 2013 - 2014

Stok Hazırlama, Doctorate, 2013 - 2014

MDF Üretiminde Formaldehit Tutucu Kullanımı ve Levha Özelliklerine Etkileri, Doctorate, 2012 - 2013

Kağıdın Kalenderlenmesi, Doctorate, 2010 - 2011

Postgraduate

Kağıt Hamuru Ağartma Teknolojisi, Postgraduate, 2014 - 2015

Lamine kağıt üretimi ve özellikleri, Postgraduate, 2014 - 2015

Yüksek Lisans Tezi, Postgraduate, 2014 - 2015

Kuşe Kağıt Teknolojisi, Postgraduate, 2014 - 2015

Kağıt Fiziği, Postgraduate, 2011 - 2012

Kuşe Kağıt Üretiminde Kullanılan Pigmentler, Postgraduate, 2011 - 2012

Kağıt Kimyası, Postgraduate, 2008 - 2009

Kağıdın Yüzey Kaplanması ve Film Uygulamaları, Postgraduate, 2008 - 2009

Mikro ve Makro Yapışkanlar, Postgraduate, 2008 - 2009

Oluklu Mukavva Üretimi, Postgraduate, 2007 - 2008

Tutunma Mekanizmaları, Postgraduate, 2004 - 2005

Kağıt Makineleri, Postgraduate, 1999 - 2000

Kağıt Laboratuvarı, Postgraduate, 1996 - 1997

Undergraduate

Lif Levha Endüstrisi, Undergraduate, 2014 - 2015

Kağıt Fabrikasyonu, Undergraduate, 2014 - 2015

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Dimensional Stability Properties of Medium-Density Fiberboards Produced Using Silicone-Based Chemicals**
ONDARAL M., USTA M., ONDARAL S.
DRVNA INDUSTRIJA, vol.75, no.2, pp.151-160, 2024 (SCI-Expanded)
- II. **Investigation of the adsorption kinetics of methylene blue onto cotton wastes**
Acemioglu B., Ertas M., Alma M. H., USTA M.
TURKISH JOURNAL OF CHEMISTRY, vol.38, no.3, pp.454-469, 2014 (SCI-Expanded)
- III. **The efficiency of tannin as a formaldehyde scavenger chemical in medium density fiberboard**
Boran S., USTA M., ONDARAL S., GÜMÜŞKAYA E.
COMPOSITES PART B-ENGINEERING, vol.43, no.5, pp.2487-2491, 2012 (SCI-Expanded)
- IV. **THE EFFECTS OF BORON COMPOUNDS AND DIFFERENT MELAMINE CONTENTS IN MUF RESINS ON SOME PROPERTIES OF MDF PANELS**
Ustaömer D., Usta M.
BIORESOURCES, vol.7, no.1, pp.437-446, 2012 (SCI-Expanded)
- V. **Decreasing formaldehyde emission from medium density fiberboard panels produced by adding different amine compounds to urea formaldehyde resin**
Boran S., USTA M., GÜMÜŞKAYA E.
INTERNATIONAL JOURNAL OF ADHESION AND ADHESIVES, vol.31, no.7, pp.674-678, 2011 (SCI-Expanded)
- VI. **Effect of fiber modification with carboxymethyl cellulose on the efficiency of a microparticle**

flocculation system

ONDARAL S., Kurtulus O. C., USTA M.

CHEMICAL PAPERS, vol.65, no.1, pp.16-22, 2011 (SCI-Expanded)

- VII. **Effects of Dissolved Organic Compounds and Electrolyte on Precipitated Calcium Carbonate Retention in Papermaking**
ONDARAL S., USTA M.
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.49, no.23, pp.12185-12190, 2010 (SCI-Expanded)
- VIII. **Removal of methylene blue from aqueous solution using cotton stalk, cotton waste and cotton dust**
Ertas M., Acemioglu B., Alma M. H., USTA M.
JOURNAL OF HAZARDOUS MATERIALS, vol.183, pp.421-427, 2010 (SCI-Expanded)
- IX. **The Synthesis of Water Soluble Cationic Microgels by Dispersion Polymerization: Their Performance in Kaolin Deposition Onto Fiber**
ONDARAL S., USTA M., GÜMÜŞDERELİOĞLU M., ARSU N., Balta D. K.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.116, no.2, pp.1157-1164, 2010 (SCI-Expanded)
- X. **Effect of ethyl acetate on carbohydrate components and crystalline structure of pulp produced in aqueous acetic acid pulping**
GÜMÜŞKAYA E., USTA M., Ucar M. B.
CHEMICAL PAPERS, vol.63, no.3, pp.284-290, 2009 (SCI-Expanded)
- XI. **Termite Resistance of MDF Panels Treated with Various Boron Compounds**
Usta M., Ustaömer D., Kartal S. N., Ondaral S.
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, vol.10, no.6, pp.2789-2797, 2009 (SCI-Expanded)
- XII. **Fixation of dissolved and colloidal substances on fibres and silicon oxide surfaces using water soluble cross-linked cationic polymers**
ONDARAL S., USTA M., Wagberg L., Gümüşderelioğlu M., ONDARAL M.
CELLULOSE CHEMISTRY AND TECHNOLOGY, vol.42, pp.61-69, 2008 (SCI-Expanded)
- XIII. **Effect of boron treatment on surface characteristics of medium density fiberboard (MDF)**
Ustaömer D., Usta M., Hiziroglu S.
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.199, pp.440-444, 2008 (SCI-Expanded)
- XIV. **FIXATION OF DISSOLVED AND COLLOIDAL SUBSTANCES ON FIBERS AND SILICON OXIDE SURFACES USING WATER SOLUBLE CROSSLINKED CATIONIC POLYMERS**
ONDARAL S., USTA M., Wagberg L., GÜMÜŞDERELİOĞLU M., ONDARAL M.
CELLULOSE CHEMISTRY AND TECHNOLOGY, vol.42, pp.61-69, 2008 (SCI-Expanded)
- XV. **Comparative Properties of Pulp and Paper Obtained From Kraft-ethanol and Kraft-Ethylene Glycol Properties**
USTA M., BORAN S., GÜMÜŞKAYA E., ONDARAL S., BALABAN M.
CELLULOSE CHEMISTRY AND TECHNOLOGY, vol.41, pp.313-320, 2007 (SCI-Expanded)
- XVI. **Comparative properties of the pulp and paper obtained from kraft-ethanol and kraft-ethylene glycol processes**
USTA M., Boran S., GÜMÜŞKAYA E., ONDARAL S., Balaban M.
CELLULOSE CHEMISTRY AND TECHNOLOGY, vol.41, pp.311-318, 2007 (SCI-Expanded)
- XVII. **Carbohydrate components and crystalline structure of organosolv hemp (Cannabis sativa L.) bast fibers pulp**
Gumuskaya E., Usta M., Balaban M.
BIORESOURCE TECHNOLOGY, vol.98, no.3, pp.491-497, 2007 (SCI-Expanded)
- XVIII. **Dependence of chemical and crystalline structure of alkali sulfite pulp on cooking temperature and time**
Gumuskaya E., usta M. U.
CARBOHYDRATE POLYMERS, vol.65, no.4, pp.461-468, 2006 (SCI-Expanded)
- XIX. **The Effects of Oxygen and Hydrogen Peroxide (H₂O₂) on the Crystalline Structure of Cellulose During Soda Pulping**
Gümüşkaya E., Usta M., Odabaş Serin Z., Ondaral S., Ustaömer D.

- Cellulose Chemistry And Technology, vol.40, pp.259-264, 2006 (SCI-Expanded)
- XX. **Chemical composition of coniferous wood species occurring in Turkey**
Hafizoglu H., Usta M.
HOLZ ALS ROH-UND WERKSTOFF, vol.63, no.1, pp.83-85, 2005 (SCI-Expanded)
- XXI. **Influences of some manufacturing factors on the important quality properties of melamine-impregnated papers**
Nemli G., USTA M.
BUILDING AND ENVIRONMENT, vol.39, no.5, pp.567-570, 2004 (SCI-Expanded)
- XXII. **Bleaching of chemithermomechanical pulp (CTMP) using environmentally friendly chemicals**
TUTUS A., Usta M.
JOURNAL OF ENVIRONMENTAL BIOLOGY, vol.25, no.2, pp.141-145, 2004 (SCI-Expanded)
- XXIII. **Effect of residue type and tannin content on properties of particleboard manufactured from black locust**
Nemli G., HIZIROGLU S., USTA M., SERIN Z., OZDEMIR T., KALAYCIOGLU H.
FOREST PRODUCTS JOURNAL, vol.54, no.2, pp.36-40, 2004 (SCI-Expanded)
- XXIV. **Volatile needle and wood extracts of oriental spruce *Picea orientalis* (L.) Link**
Ucar G., Balaban M., Usta M.
FLAVOUR AND FRAGRANCE JOURNAL, vol.18, no.5, pp.368-375, 2003 (SCI-Expanded)
- XXV. **The effects of various pulping conditions on crystalline structure of cellulose in cotton linters**
Gumuskaya E., Usta M., Kirci H.
POLYMER DEGRADATION AND STABILITY, vol.81, no.3, pp.559-564, 2003 (SCI-Expanded)
- XXVI. **A new environmentally friendly pulping and bleaching technology for poplar wood**
Kirci H., Usta M., Gumuskaya E.
CELLULOSE CHEMISTRY AND TECHNOLOGY, vol.37, pp.273-282, 2003 (SCI-Expanded)
- XXVII. **Characterisation of the crystalline structure in cotton linters cellulose**
Usta M., Gumuskaya E., Serin Z.
CELLULOSE CHEMISTRY AND TECHNOLOGY, vol.37, pp.7-18, 2003 (SCI-Expanded)
- XXVIII. **ASAE pulping of wheat straw (*Triticum aestivum* L.)**
Usta M., Eroglu H., Karaoglu C.
CELLULOSE CHEMISTRY AND TECHNOLOGY, vol.33, pp.91-102, 1999 (SCI-Expanded)
- XXIX. **The chemical composition of wood and bark of *Cedrus libani* A Rich**
Usta M., Kara Z.
HOLZ ALS ROH-UND WERKSTOFF, vol.55, no.4, pp.268, 1997 (SCI-Expanded)
- XXX. **Wood and bark composition of *Picea orientalis* (L) Link**
Hafizoglu H., Usta M., Bilgin O.
HOLZFORSCHUNG, vol.51, no.2, pp.114-118, 1997 (SCI-Expanded)
- XXXI. **The effects of steaming and drying on the chemical compositions of the Pine (*Pinus brutia* ten) veneers**
Colak S., Colakoglu G., Usta M.
HOLZ ALS ROH-UND WERKSTOFF, vol.54, no.6, pp.422, 1996 (SCI-Expanded)

Articles Published in Other Journals

- I. **Thermal conductivity of medium density fiberboard (MDF) manufactured using some chemicals**
Ustaömer D., Usta M.
Kastamonu University Journal of Forestry Faculty, vol.17, no.4, pp.603-607, 2017 (Peer-Reviewed Journal)
- II. **Thermal conductivity of medium density fiberboard (MDF) manufactured using some chemicals**
Ustaömer D., Usta M.
KASTAMONU UNIVERSITY JOURNAL OF FORESTRY FACULTY, vol.17, no.4, pp.603-607, 2017 (ESCI)
- III. **Some properties of fiberboard manufactured from beech fiber and chestnut sawdust**

Ustaömer D., Usta M., Bulut Ş.

Innovations in woodworking industry and engineering design, vol.2, pp.31-35, 2013 (Peer-Reviewed Journal)

- IV. **PLS Kontrol Ünitesi İlaveli Presle Farklı Pres Şartları Altında Üretilen MDF'lerin Bazı Fiziksel ve Mekanik Özellikleri**
BORAN S., USTA M., ONDARAL S.
Bartın Üniversitesi Orman Fakültesi Dergisi, vol.1, pp.278-287, 2009 (Peer-Reviewed Journal)
- V. **The Effects of Acetic Acid/Water Pulping Process on Chemical and Crystalline Structure of Cellulose in Hemp (Cannabis sativa L.) Bast Fiber**
GÜMÜŞKAYA E., USTA M.
Balkan Pulp and Paper News, pp.25-28, 2005 (Peer-Reviewed Journal)
- VI. **The Effects of Acetic Acid Water Pulping Process on Chemical and Crystalline Structure of Cellulose in Hemp Cannabis sativa L Bast Fib**
GÜMÜŞKAYA E., USTA M.
Balkan Pulp and Paper News, vol.6, pp.25-28, 2005 (Peer-Reviewed Journal)
- VII. **Crystalline Structure Properties of Bleached and Unbleached Wheat Straw (Triticum aestivum L.) Soda-Oxygen Pulp**
GÜMÜŞKAYA E., USTA M.
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.26, no.2002, pp.247-252, 2001 (Scopus)
- VIII. **Buğday saplarından organosolv yöntemle kağıt hamuru üretimi**
KIRCI H., Bostancı Ş., Usta M.
Doğa Tr. J. of Agriculture and Forestry, vol.29, pp.127-132, 1996 (Peer-Reviewed Journal)

Papers Published in Refereed Scientific Meetings

- I. **The Effects of Ethanol or Ethylene Glycol Added Conventional Sulphate Pulping on Pulp Properties**
USTA M., GÜMÜŞKAYA E., BORAN S.
10th Meeting of Pulp and Paper Industry of Balkan (Southeast European) Countries, Greece, pp.1
- II. **Chemical Composition of Wood and Bark of Taxus baccata L.**
Zengin Y., USTA M.
THE INTERNATIONAL FOREST PRODUCTS CONGRESS, 26 - 29 September 2018
- III. **USE OF SILICONE BASED CHEMICALS IN THE MEDIUM DENSITY FIBERBOARD PRODUCTION**
ONDARAL M., USTA M., ONDARAL S.
ORENKO-International Forest Products Congress, Trabzon, Turkey, 25 - 29 September 2018
- IV. **Their Potential Applications In Papermaking**
USTA M., ONDARAL S.
XX. INTERNATIONAL SYMPOSIUM IN THE FIELDS OF PULP, PAPER, PACKAGING AND GRAPHICS, Zlatibor, Serbia, 16 - 19 June 2015
- V. **Surface Sizing Of Paper With Silica/Paraffin Mixture**
ONDARAL M., USTA M., Kurtuluş O. Ç., ONDARAL S.
20th INTERNATIONAL SYMPOSIUM IN THE FIELDS OF PULP, PAPER, PACKAGING AND GRAPHICS, Zlatibor, Serbia And Montenegro, 16 - 19 June 2015, pp.15-20
- VI. **Biopolyelectrolyte Complexes As A Paper Strength Additive**
ONDARAL S., Ergün M. E., Hocaoğlu G., Kurtuluş O. Ç., DEMİR C., USTA M.
20th INTERNATIONAL SYMPOSIUM IN THE FIELDS OF PULP, PAPER, PACKAGING AND GRAPHICS, Zlatibor, Serbia And Montenegro, 16 - 19 June 2015, pp.30-35
- VII. **Water Soluble Cationic Microgel: Their Potential Applications In Papermaking**
USTA M., ONDARAL S.
20 INTERNATIONAL SYMPOSIUM IN THE FIELDS OF PULP, PAPER, PACKAGING AND GRAPHICS, Zlatibor, Serbia And Montenegro, 16 - 19 June 2015, pp.20-24
- VIII. **Some properties of fiberboard manufactured from beech fiber and chestnut sawdust**

USTAÖMER D., USTA M., BULUT Ş.

5th International Scientific and Technical Conference, Innovations in Woodworking Industry and Engineering Design, Yundola, Bulgaria, 15 - 17 November 2012

- IX. **Silika-Vaks karışımı ile Kağıt Özelliklerinin İyileştirilmesi**
ONDARAL M., USTA M.
III. Ulusal Karadeniz Ormanlık Kongresi, Artvin, Turkey, 20 - 22 May 2010, vol.V, no.3, pp.1951-1958
- X. **Sodyum Hidroksit ve Etil Alkol ile Muamele Edilmiş Ağartılmış Sülfat Hamurunun Bazı Şişme Özelliklerindeki Değişimlerin Belirlenmesi**, III. Ulusal Karadeniz Ormanlık Kongresi
USTAÖMER D., Usta M.
III. Ulusal Karadeniz Ormanlık Kongresi, Artvin, Turkey, 20 - 22 May 2010, pp.2020-2030
- XI. **Odun Esaslı Panellerde Açığa Çıkan Formaldehit ve Formaldehit Sınırları Hakkında Bilgiler**
BORAN S., USTA M.
III. Ulusal Karadeniz Ormanlık Kongresi, Artvin, Turkey, 20 - 22 May 2010, pp.121-125
- XII. **Sodyum Hidroksit ve Etil Alkol ile Muamele Edilmiş Ağartılmış Sülfat Hamurunun Bazı Şişme Özelliklerindeki Değişimlerin Belirlenmesi**
USTAÖMER D., USTA M.
III. Ulusal Karadeniz Ormanlık Kongresi", III. Ulusal Karadeniz Ormanlık Kongre, Artvin, Turkey, 20 - 22 May 2010, pp.2020-2030
- XIII. **The Effects of Some Fire Retardant Chemicals on the Decay Resistance of Medium Density Fiberboard (MDF)**
USTAÖMER D., USTA M., YILDIZ Ü. C., YILDIZ S., Tomak E. D.
International Research Group on Wood Preservation 41. IRG Annual Conference, Biarritz, France, 9 - 13 May 2010, pp.53-59
- XIV. **The Effects of Some Fire Retardant Chemicals on the Decay Resistance of Medium Density Fiberboard(MDF), (IRG/WP10-30536)**
USTAÖMER D., USTA M., YILDIZ S., YILDIZ Ü. C., DİZMAN TOMAK E.
41th Annual Scientific Conference of the International Conference on Wood Protection (IRG41), Biarritz, France, 9 - 13 May 2010
- XV. **PLS kontrol Ünitesi İlaveli Presle Farklı Pres Şartları Altında Üretilen MDF'lerin Bazı Fiziksel ve Mekanik Özellikleri**
BORAN S., USTA M., ONDARAL S.
. Ulusal Batı Karadeniz Ormanlık Kongresi, Bartın, Turkey, 5 - 07 November 2009, pp.15-20
- XVI. **The Determination of Decay Resistance of Medium Density Fiberboard(MDF) Produced by Treatment with Borax and Boric Acid**
USTAÖMER D., Usta M., YILDIZ Ü. C., YILDIZ S., TOMAK E. D.
IV.International Boron Symposium, Eskişehir, Turkey, 15 - 17 October 2009
- XVII. **Boraks ve Borik asit ile Muamele Edilerek Üretilmiş Orta Yoğunlukta Liflevhalarda (MDF) Çürüklük Dayanımının Belirlenmesi**
USTAÖMER D., USTA M., YILDIZ Ü. C., YILDIZ S., Dizman Tomak E.
4. Uluslararası Bor Sempozyumu, Eskişehir, Turkey, 15 - 17 October 2009, pp.8-12
- XVIII. **Borik Asit ve Boraks ile muamele edilerek üretilmiş Orta Yoğunlukta Liflevhalarda(MDF) Çürüklük Dayanımının Belirlenmesi**
USTAÖMER D., USTA M., YILDIZ Ü. C., YILDIZ S., DİZMAN TOMAK E.
4.Uluslararası Bor Sempozyumu, Eskişehir, Turkey, 15 - 17 October 2009, pp.597-602
- XIX. **Surface Color and Roughness Characteristics of Medium Density Fiberboard (MDF) Panels Treated with Fire Retardants,IRG/WP 08-40420**
USTAÖMER D., USTA M., HIZIROĞLU S.
The International Research Group on Wood Protection, 39 th Annual Meeting, Section, İstanbul, Turkey, 25 - 29 May 2008, pp.1-13
- XX. **The synthesis of water soluble cross-linked polymers by dispersion polymerization**
ONDARAL S., USTA M., Gümüşderelioğlu M., Wagberg L.

- Nordic Polymer Days, Stockholm, Sweden, 11 - 13 May 2008, pp.45-50
- XXI. **Çeşitli Borlu Bileşiklerle Muamele Edilerek Üretilmiş Orta Yoğunlukta Liflevhaların(MDF) Bazı Fiziksel ve Yanma Özelliklerindeki Değişimlerin Belirlenmesi**
USTA M., USTAÖMER D.
II.Ulusal Bor Çalıştayı, Ankara, Turkey, 17 - 18 April 2008, pp.267-273
- XXII. **Bazı Borlu Bileşikler Muamele Edilerek Üretilmiş Liflevhaların Spektrofotometrik Yöntemle Renk Değişimlerinin Belirlenmesi**
USTAÖMER D., USTA M., BORAN S.
III. Uluslar arası Bor Sempozyumu, Ankara, Turkey, 2 - 04 November 2006, pp.321-325
- XXIII. **Bazı Borlu Bileşiklerle Muamele Edilerek Üretilmiş Liflevhaların Spektrofotometrik Yöntemle Renk Değişimlerinin Belirlenmesi (Determination of Color Changes of Fiberboard, Produced by Treatment with Some Boron Compounds, by Spectrophotometric Method)**
USTAÖMER D., USTA M., BORAN S.
III. International Boron Symposium, Ankara, Turkey, 2 - 04 November 2006
- XXIV. **Bazı Borlu Bileşiklerle Muamele Edilerek Üretilmiş Liflevhaların Spektrofotometrik Yöntemle Renk Değişimlerinin Belirlenmesi**
USTAÖMER D., USTA M., BORAN S.
III. International Boron Symposium, Ankara, Turkey, 2 - 04 November 2006
- XXV. **Rosin Sizing Under Neutral Papermaking Conditions**
ONDARAL S., BORAN S., USTA M.
1st International Non-wood Forest Products Symposium, Trabzon, Turkey, 1 - 04 November 2006, pp.10-15
- XXVI. **Nötral Kağıt Üretiminde Kolofan Yapıştırması**
ONDARAL S., BORAN S., USTA M.
1st International Non-wood Forest Products Symposium, Trabzon, Turkey, 1 - 04 November 2006, pp.75-79
- XXVII. **The Fixation of Dissolved and Colloidal Substances on Fiber and Silicon Oxide Surfaces with Cross-Linked Poly(AM-co-DADMAC) Prepared by Dispersion Polymerization**
ONDARAL S., USTA M., GÜMÜŞKAYA E., WAGBERG L.
12th Meeting of the Pulp and Paper Industry of Southeast European countries, Brasov, Romania, 21 - 23 September 2005, pp.45-50
- XXVIII. **Türkiye kağıt sanayiinin mevcut durumu, sorunları ve çözüm önerileri**
USTA M., KIRCI H., DENİZ İ., GÜMÜŞKAYA E.
I.Çevre ve Ormanlık Şurası, Antalya, Turkey, 22 - 24 March 2005, vol.3, pp.1162-1169
- XXIX. **Türkiye Kağıt Sanayiinin Mevcut Durumu, Sorunları ve Çözüm Önerileri**
USTA M., KIRCI H., DENİZ İ., GÜMÜŞKAYA E.
I. Çevre ve Ormanlık Şurası, Antalya, Turkey, 1 - 03 March 2005, vol.3, pp.1162-1169
- XXX. **The Effects of Acetosolv process on Chemical and Crystalline Structure of Cellulose in Hemp (Cannabis sativa L.) Bast Fibers**
GÜMÜŞKAYA E., USTA M.
11th Meeting of Pulp and Paper Industry of Balkan (Southeast European) Countries, Opatija, Croatia, 6 - 08 October 2004, pp.4-8
- XXXI. **Ağaç Kabuğu Ekstraktlarının GC MS Analiz Sonuçları Ve Antioksidan Özelliklerinin Karşılaştırmalı İncelenmesi**
KÜÇÜK M., KOLAYLI S., OCAK M., ŞENÖZ C., ULUSOY E., GAYDAN F., USTA M., YAYLI N.
XVIII. Ulusal Kimya Kongresi, Kars, Turkey, 5 - 09 July 2004, pp.457
- XXXII. **The Effects of Ethanol or Ethylene Glycol Added Conventional Sulphate Pulping on Pulp Properties**
USTA M., GÜMÜŞKAYA E., BORAN S.
10th Meeting of Pulp and Paper Industry of Balkan (Southeast European) Countries, Agia Triada, Thessaloniki, Greece, 29 - 31 October 2003, pp.25-31
- XXXIII. **The Fine Structure of Cellulose in Hemp (Cannabis sativa I.) Bast Fibers During Organosolv Pulping**
USTA M., GÜMÜŞKAYA E., SERİN Z., ONDARAL S.
13th International Symposium on Cellulose Chemistry and Technology, Iasi, Romania, 3 - 05 September 2003, pp.5-

- XXXIV. **The Fine Structure of Cellulose in Hemp (*Cannabis sativa* L.) Bast Fibers During Organosolv Pulping**
 USTA M., GÜMÜŞKAYA E., SERİN Z., ONDARAL S.
 13th International Symposium on Cellulose Chemistry and Technology, Iasi, Romania, 3 - 05 September 2003,
 pp.124-130
- XXXV. **Comparison of in vitro antioxidant properties of trunk bark of some tree species**
 KOLAYLI S., KÜÇÜK M., YAYLACI KARAHALİL F., DURAL N., USTA M.
 Proceedings of 1st International Congress on the Chemistry of Natural Products, 16 - 19 November 2002
- XXXVI. **Comparison of in vitro antioxidant and antimicrobial properties of the extracts from trunk bark of some trees**
 KOLAYLI S., KÜÇÜK M., DURAL N., YAYLACI KARAHALİL F., USTA M.
 Proceedings of 1st International Congress on the Chemistry of Natural Products, 16 - 19 November 2002
- XXXVII. **Soda-oxygen and soda pulping of phragmites (*Phragmites communis* L.) reed**
 KIRCI H., Usta M., Gümüşkaya E.
 The 9th Meeting of Pulp and Paper Industry of Balkan Countries, Budapeşte, Hungary, 11 - 14 October 2002, vol.9,
 pp.102-108
- XXXVIII. **Soda-Oxygen and Soda-Air Pulping of Common Reed (*Phragmites communis* L.) Reed**
 KIRCI H., USTA M., GÜMÜŞKAYA E.
 The 9th Meeting of The Pulp and Paper Industry (Southeast European) Countries, Sremska Mitrovica, Serbia And
 Montenegro, 9 - 11 October 2002, pp.25-30
- XXXIX. **Chemical and Crystalline Structure Properties of Hemp (*Cannabis sativa* L.) Bast Fibres Pulp Obtained Various Processes**
 USTA M., GÜMÜŞKAYA E., SERİN Z.
 The 8th Meeting of Pulp and Paper Industry of Balkan Countries, Sofya, Bulgaria, 3 - 05 October 2001, pp.5-10
- XL. **The Effects of Acetylation on Some Properties of Medium Density Fiberboards**
 USTA M., SERİN Z., GÜMÜŞKAYA E., KÜÇÜKÖMEROĞLU T.
 The Fourth European Panel Products Symposium, Llandudno, Wales, United Kingdom, 11 - 13 November 2000,
 pp.193-200
- XLI. **Changes of Crystallinity of Cellulose in Cotton Linters Pulp Bleached with CEH Sequences**
 USTA M., GÜMÜŞKAYA E.
 The 7th Meeting of Pulp and Paper Industry of Balkan Countries, Novi Sad, Serbia And Montenegro, 8 - 10
 November 2000, pp.20-25
- XLII. **Soda-Oxygen Pulping of Hemp (*Cannabis sativa* L.) Fibers**
 USTA M., EROĞLU H., GÜMÜŞKAYA E.
 Twelfth International Symposium on Cellulose Chemistry and Technology, Iasi, Romania, 21 - 23 September 1999,
 pp.14-18
- XLIII. **KIRCI, H., USTA, M., EROĞLU, H., 1998: Soda-air Pulping of Phragmites Reed, 7th -9th Oct. Romania.**
 KIRCI H., Usta M., Eroğlu H.
 The 5th Meeting of Pulp and Paper Industry of Balkan Countries, Köstence, Romania, 7 - 09 November 1998, vol.5,
 pp.45-51
- XLIV. **The Determination of Crystallinity in Wheat Straw Soda-Oxygen Pulp by X-ray Diffraction Method**
 USTA M., GÜMÜŞKAYA E.
 The 5th Meeting of Pulp and Paper Industry of Balkan Countries, Constanta, Romania, 7 - 09 October 1998, pp.6-11
- XLV. **Cereal straw: as a raw material in the paper industry and a new cooking method "soda-air pulping"**
 Eroğlu H., Usta M., KIRCI H., Uslu K.
 XI. World Forestry Congress, Antalya, Turkey, 13 - 23 November 1997, vol.4, pp.52-57
- XLVI. **Viscum album L.'un sarıçamın artımına, odununun kimyasal ve morfolojik özelliklerine etkisi**
 EROĞLU M., Usta M.
 II. Ulusal Orman Ürünleri Endüstrisi Kongresi, Trabzon, Turkey, 6 - 09 October 1993, vol.1, no.1, pp.116-122
- XLVII. **EROĞLU, H., USTA, M., KIRCI, H. 1992: A review of oxygen pulping of some nonwood plants growing in Turkey, TAPPI Pulping Conference, Proceedings, Book:1, November 1-5, Boston, U.S.A., 215-222.**

Erođlu H., Usta M., KIRCI H.

TAPPI Pulping Conference, Boston, United States Of America, 1 - 05 November 1992, vol.Book:1, pp.215-222

XLVIII. Soda oxygen pulping of cornstalks (Zea mays indurata Sturt.)

Erođlu H., KIRCI H., Usta M.

TAPPI Pulping Conference, Toronto, Canada, 14 - 17 October 1990, vol.Book:1, pp.307-312

Other Publications

- I. **EROĐLU, H., USTA, M., KIRCI, H., DENİZ, İ. 1995: Türkiye de mevcut kağıt sanayiinin durumu, sorunları ve çözüm yolları, Türkiye Ormancılık Raporu, K.T.Ü. Orman Fakültesi Yayın No:48, Trabzon**
Erođlu H., KIRCI H., Usta M., Deniz İ.
Technical Report, pp.155-160, 1995

Metrics

Publication: 91

Citation (WoS): 682

Citation (Scopus): 736

H-Index (WoS): 12

H-Index (Scopus): 13