



INTERNATIONAL
FOREST PRODUCTS
CONGRESS



ORENKO
2018

INTERNATIONAL FOREST PRODUCTS CONGRESS

September 26-29, 2018
Trabzon/TURKEY

PROGRAM BOOK

www.ktu.edu.tr/orenko2018
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ORENKO 2018
International Forest Products Congress
September 26-29, 2018, Trabzon / TURKEY



ORENKO 2018 PROGRAM

DAY 1 - WEDNESDAY, 26 SEPTEMBER 2018

HASAN TURAN HALL	
08:00-09:00	Registration
09:00-10:30	Opening Ceremony and Talks
10:30-10:45	Coffee/Tea Break
10:45-11:30	Keynote Speech
11:30-12:45	Keynote Speech
12:30-13:30	Lunch Break (Only registered participants can join and invitation card is required)
14:00-15:30	Industry/Private Sector Session
15:30-15:45	Coffee/Tea Break
15:45-17:45	Industry/Private Sector Session
17:45-19:30	Coffee/Tea Break – POSTER SESSION
19:00-21:00	DINNER (Only registered participants can join and invitation card is required)

DAY 2 - THURSDAY, 27 SEPTEMBER 2018

	HASAN TURAN HALL	FAHRİ KURAN HALL	BEDRİ RAHMİ EYÜBOĞLU HALL	AHMET SELİM TEYMÜR HALL
09:00-09:45	Keynote Speech			
09:45-10:30	Keynote Speech			
10:30-10:45	Coffee/Tea Break			
10:45-11:00	Wood and Wood Based Composites	Wood Deterioration - Wood Preservation - Wood Modification	Furniture (Design - Manufacturing - Restoration)	Operational Research, Ergonomy, Artificial Intelligence, Occupational Safety
11:00-11:15				
11:15-11:30				
11:30-11:45				
11:45-12:00				
12:00-12:15				
12:15-12:30				
12:30-13:30	Lunch Break (Only registered participants can join and invitation card is required)			
14:00-14:45	Keynote Speech			
14:45-15:30	Keynote Speech			
15:30-15:45	Coffee/Tea Break			
15:45-16:00	Wood and Wood Based Composites	Wood Deterioration - Wood Preservation - Wood Modification	Adhesives, Coatings and Finishing	Non-Destructive Evaluation of Wood Materials
16:00-16:15				
16:15-16:30				
16:30-16:45				
16:45-17:00				
17:00-17:15	Coffee/Tea Break			
17:15-17:30	Wood and Wood Based Composites	Wood Deterioration - Wood Preservation - Wood Modification	Forest Products Economics and Marketing	
17:30-17:45				
17:45-18:00				
18:00-18:15				
18:15-18:30				
20:00-22:30	GALA DINNER (Only registered participants can join and invitation card is required)			



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DAY 3 - FRIDAY, 28 SEPTEMBER 2018

	HASAN TURAN HALL	FAHRİ KURAN HALL	BEDRİ RAHMİ EYÜBOĞLU HALL	AHMET SELİM TEYMÜR HALL
09:00-09:15	Wood and Wood Based Composites	Wood Deterioration - Wood Preservation - Wood Modification	Forest Products Economics and Marketing	
09:15-09:30				
09:30-09:45				
09:45-10:00				
10:00-10:15				
10:15-10:30				
10:30-10:45				
10:45-11:00	Coffee/Tea Break			
11:00-11:15	Biomaterials - Biomass - Bioenergy	Wood Deterioration - Wood Preservation - Wood Modification	Operational Research, Ergonomics, Artificial Intelligence, Occupational Safety	Environmental and Ecological Issues in Forest Industry
11:15-11:30				
11:30-11:45				
11:45-12:00				
12:00-12:15				
12:15-12:30				
12:30-13:30	Lunch Break (Only registered participants can join and invitation card is required)			
14:00-14:15	Adhesives, Coatings and Finishing	Wood Chemistry - Pulp and Paper	Non-Wood Forest Products	
14:15-14:30				
14:30-14:45				
14:45-15:00				
15:00-15:15				
15:15-15:30				
15:30-15:45				
15:45-16:00				
16:00-16:15	Coffee/Tea Break			
16:15-16:30	Wood Chemistry - Pulp and Paper	Furniture (Design - Manufacturing - Restoration)	Operational Research, Ergonomics, Artificial Intelligence, Occupational Safety	
16:30-16:45				
16:45-17:00				
17:00-17:15				
17:15-17:30				
17:30-18:00	CLOSING CEREMONY			
19:00-21:30	DINNER (Only registered participants can join and invitation card is required)			

DAY 4 - SATURDAY, 29 SEPTEMBER 2018

09:00-16:00	Excursion (Uzungöl)
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PRE-CONFERENCE

TUESDAY, 25 SEPTEMBER 2018

13:30-16:30 📍 Registration (Osman Turan Culture and Congress Center)

DAY 1

WEDNESDAY, 26 SEPTEMBER 2018

08:00-09:00 📍 Registration (Osman Turan Culture and Congress Center)

09:00-10:30 **OPENING CEREMONY AND TALKS (HASAN TURAN HALL)**

10:30-10:45 ☕ Coffee/Tea Break

KEYNOTE SPEAKER SESSION (HASAN TURAN HALL)

10:45-11:30 PROTECTION OF WOOD: A GLOBAL PERSPECTIVE ON THE FUTURE
Jeffrey J. MORRELL

11:30-12:15 LIGNOCELLULOSIC-FILLED POLYMER FEEDSTOCKS FOR LARGE SCALE ADDITIVE
MANUFACTURING OF LOW COST COMPOSITES
Douglas J. GARDNER

12:30-13:30 🍽️ **Lunch Break (Karadeniz Technical University Restaurant)**
(Only registered participants can join and invitation card is required)

INDUSTRY / PRIVATE SECTOR SESSIONS (HASAN TURAN HALL)

14:00-15:30 Sector Presentations

15:30-15:45 ☕ Coffee/Tea Break

15:45-17:45 Sector Presentations

17:45-18:30 ☕ Coffee/Tea Break - **POSTER SESSION**

19:00-21:00 🍽️ **DINNER (DoubleTree by Hilton Hotel)**
(Only registered participants can join and invitation card is required)



POSTER SESSION – SEPTEMBER 26, 2018

POSTER /EXHIBITION HALL

- 17:45-18:30 THE IMPORTANCE OF THE MINORITY TREE SPECIES IN THE WOOD PROCESSING
Mateja KIŠEK
3D PUZZLE TOY: RECYCLING OF CORRUGATED BOARD WASTE AND A NEW SECONDARY USAGE AREA
Begüm UYGUR and Betül Yitmez GÖK
THE EFFECT OF NANO-GRAPHENE OXIDE ON PHYSICAL AND MECHANICAL PROPERTIES OF PARTICLEBOARD
Loya JAMALIRAD, Seyed Meysam MOUSAZADEH, Farshid FARAJI, Saeed NAROUIE and Ali ABDOLKHANI
THE EFFECTS OF STEP OVER, FEED RATE AND DEPTH OF CUT ON THE SURFACE ROUGHNESS OF THE MEDIUM DENSITY FIBERBOARDS PROCESSED WITH CNC MACHINE
Bekir Cihad BAL and Elif AKÇAKAYA
MODELLING OF WOOD UTILIZATION IN THE TRANSITION TO A GREEN ECONOMY
Martin MORAVČÍK, Miroslav KOVALČÍK, Hubert PALUŠ and Ján PAROBEK
IDENTIFICATION OF CUPRESSACEAS CHILEAN AND ARGENTINEAN ENDEMIC INCLUDED IN APPENDIX I OF CITES, THROUGH DART TOMFS
Rene CARMONA, Cristobal BARROS and Edgard ESPINOSA
SUSTAINABLE CORRUBOARD FURNITURE DESIGN
Begüm UYGUR
CHEMICAL CONSTITUENTS FROM BARK OF *PINUS DENSIFLORA*
Young-Soo BAE, Hee-Jeong MIN, Yeon-Ho HAM, Jin-Kyu KIM, Nadir AYRILMIS, Wasrin SYAFII, Chuan-Ling Si
INVESTIGATION ON DIMENSIONAL STABILITY OF PARTICLEBOARD MANUFACTURED FROM TOBACCO STALK WASTES AND INDUSTRIAL WOOD PARTICLES
Loya JAMALIRAD and Saeed NAROOEI
COMPARATIVE GLUE JOINT SHEAR STRENGTH TESTING OF SOLID WOOD PANELS COMPOSED OF NO TREATED AND THERMALLY TREATED ASH BOARDS
Marko VEIZOVIC, Vladislav ZDRAVKOVIC and Aleksandar LOVRIC
EXPANSION OF THE SUBTERRANEAN TERMITE (RETICULITERMES FLAVIPES. KOLLAR) IN CHILE
Rene CARMONA
THE EFFECT OF PRESS PLATES WITH DIFFERENT SURFACE FORMS ON SURFACE PROPERTIES OF MELAMINE COATED PARTICLEBOARDS
Hacı İsmail KEŞİK, Kubulay ÇAĞATAY, D. Kemal BAYRAKTAR and Fatih ŞAHİN
INVESTIGATION ON USING ALKALI SULFITE-ANTHRAQUINONE (AS-AQ) LIQUOR POWDER AS COUPLING AGENT FOR WHEAT STRAW FLOUR-POLYPROPYLENE COMPOSITE
Loya JAMALIRAD, Behzad BABAIE, Vahid VAZIRI and Saeed NAROUIE
THERMAL CONDUCTIVITY OF CROSS LAMINATED TIMBER (CLT) WITH A 45° ALTERNATING LAYER CONFIGURATION
Hasan ÖZTÜRK, Duygu YÜCESOY and Semra ÇOLAK
- 19:00-21:00 ● **DINNER (DoubleTree by Hilton Hotel)**
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DAY 2

THURSDAY, 27 SEPTEMBER 2018

KEYNOTE SPEAKER SESSION (HASAN TURAN HALL)

- 09:00-09:45 TRANSFORMATION OF FOREST PRODUCTS INDUSTRY: "AN EMERGING WORLD OF BIONANOMATERIALS"
Mohini M. SAIN
- 09:45-10:30 DISPERSION-TYPE WOOD PROTECTANTS AND THEIR EFFECTS
Jinzheng CAO
- 10:30-10:45 ☕ Coffee/Tea Break

SCIENTIFIC SESSIONS – SEPTEMBER 27, 2018

HASAN TURAN HALL

SESSION: Wood and Wood Based Composites

CHAIR: Prof. Dr. Douglas J. GARDNER

- 10:45-11:00 THE EFFECTS OF COUPLING AGENT ON SCREW DRIVING TORQUES IN WOOD POLYMER NANOCOMPOSITES
Önder TOR and Alperen KAYMAKCI
- 11:00-11:15 EFFECT OF PARTICIPATION OF MASS OF MAIZE STALKS ON SOME PHYSICOMECHANICAL INDICATORS OF MEDIUM-DENSITY FIBREBOARDS (MDF)
Julia MIHAJLOVA, Viktor SAVOV and Rosen GRIGOROV
- 11:15-11:30 DIMENSIONAL STABILITY OF WOOD BONDED WITH THE BIO-BASED PHENOL-FORMALDEHYDE (PF) RESIN
Günay ÖZBAY, Nadir AYRILMIŞ, Ayhan ÖZÇİFCİ and Erkan Sami KÖKTEN
- 11:30-11:45 THE CHANGES IN THE THICKNESS SWELLING OF THE PARTICLEBOARD RELATED TO THE BOARD DENSITY AND ADHESIVE TYPE
Mehmet BAHAROĞLU and Gökay NEMLİ
- 11:45-12:00 EFFECTS OF HEAT-TREATMENT AND VARNISH APPLICATION ON THE COLOUR CHANGE OF PINE AND ASH LAMINATED VENEER LUMBERS
Hamiyet Şahin KOL, Sema Aysal KESKİN and Kübra Gündüz VAYDOĞAN
- 12:00-12:15 EFFECT OF CEMENT AND ACCELERATOR TYPES ON THE PHYSICO-MECHANICAL PROPERTIES OF CEMENT-BONDED PARTICLEBOARDS
Uğur ARAS, Hülya KALAYCIOĞLU, Hüsnü YEL and Ahmet ÇOK
- 12:15-12:30 EFFECT OF DRYING TYPES AND POLYSTYRENE DENSITY ON THERMAL CONDUCTIVITY OF POLYSTYRENE COMPOSITE PARTICLEBOARD
Cenk DEMİRKİR, Hasan ÖZTÜRK and Gürsel ÇOLAKOĞLU
- 12:30-13:30 🍽️ **Lunch Break (Karadeniz Technical University Restaurant)**
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KEYNOTE SPEAKER SESSION (HASAN TURAN HALL) – SEPTEMBER 27, 2018

14:00-14:45 WOOD USE FOR HEALTHY BUILT ENVIRONMENTS

Andreja KUTNAR

14:45-15:30 NON-DESTRUCTIVE EVALUATION OF WOOD AND WOOD-BASED MATERIALS:
STATE-OF-THE-ART AND FUTURE PERSPECTIVES

Jakub SANDAK

15:30-15:45 ☕ Coffee/Tea Break

SCIENTIFIC SESSIONS – SEPTEMBER 27, 2018

HASAN TURAN HALL

SESSION: Wood and Wood Based Composites

CHAIR: Prof. Dr. Fatih MENGELOĞLU

15:45-16:00 ASSESSMENT OF THE PROCESSING ROUGHNESS OF BLACK ALDER SURFACES

Emilia Adela SALCA

16:00-16:15 THE EFFECTS OF NANO-TiO₂ AND NANO-BORON ON THE THERMAL PROPERTIES
OF WOOD PLASTIC COMPOSITES

Eser SÖZEN, Deniz AYDEMİR and Gökhan GÜNDÜZ

16:15-16:30 SOME TECHNOLOGICAL PROPERTIES OF ORIENTAL BEECH (*FAGUS ORIENTALIS*
LIPSKY.) WOOD GROWN IN AYANCIK- SINOP REGION IN TURKEY

Abdülkadir MALKOÇOĞLU and Nurgül AY

16:30-16:45 SURFACE ROUGHNESS OF COMPOSITE PANELS AT DIFFERENT RELATIVE
HUMIDITY LEVELS

Onur ÜLKER

16:45-17:00 COMPARISON OF TECHNOLOGICAL PROPERTIES OF PARTICLEBORADS
PRODUCED FROM BRANCH AND STEM WOOD OF SEQUOIA

Semra ÇOLAK, Abdullah Uğur BİRİNCİ and Gürsel ÇOLAKOĞLU

17:00-17:15 ☕ Coffee/Tea Break



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HASAN TURAN HALL

SESSION: Wood and Wood Based Composites

CHAIR: Assoc. Prof. Dr. Emilia Adela SALCA

17:15-17:30	UTILIZATION OF MASS OF INDUSTRIAL HEMP IN THE PRODUCTION OF MEDIUM-DENSITY FIBREBOARDS (MDF) <i>Julia MIHAJLOVA, Viktor SAVOV and Rosen GRIGOROV</i>
17:30-17:45	RADIAL STICK SAWING OPTIMIZATION <i>Hızır Volkan GÖRGÜN, Öner ÜNSAL and Kılıç Yağız EFE</i>
17:45-18:00	SOME PROPERTIES OF FIBERBOARD MANUFACTURED WITH WASTES OF KRAFT PULP MILL <i>Derya USTAÖMER, Evren Ersoy KALYONCU and Hüseyin KIRCI</i>
18:00-18:15	EFFECT OF UREA FORMALDEHYDE WASTES ON MECHANICAL PROPERTIES OF CEMENT BONDED PARTICLEBOARDS <i>Hüsnü YEL, Recep AYKAN, Uğur ARAS and Hülya KALAYCIOĞLU</i>
18:15-18:30	THE EFFECT OF SOME TECHNOLOGICAL PROPERTIES OF PLYWOOD PANELS ON SEISMIC RESISTANT PERFORMANCE OF WOODEN SHEAR WALL <i>Aydin DEMİR, Cenk DEMİRKİR and İsmail AYDIN</i>

FAHRİ KURAN HALL

SESSION: Wood Deterioration - Wood Preservation - Wood Modification

CHAIR: Prof. Dr. Louis GASTONGUAY

10:45-11:00	HISTORICAL VALUE AND CONSERVATION PROBLEMS OF TRADITIONAL WOODEN ARCHITECTURE IN TURKEY <i>Nesibe KÖSE, Zeynep UZUN and Coşkun KÖSE</i>
11:00-11:15	PHEREMONE TYPES USABLE AGAINST WOOD DESTROYING INSECT SPECIES <i>Mesut YALÇIN, Selim SEN and Çağlar AKÇAY</i>
11:15-11:30	INVESTIGATION SOME PROPERTIES OF THE WOOD TREATED WITH NOVEL POLYSTYRENE-SOYBEAN OIL COPOLYMER CONTAINING SILVER NANOPARTICLES <i>Ahmet CAN, Cengiz TEMİZ, Baki HAZER and Hüseyin SİVRİKAYA</i>
11:30-11:45	COLOUR IN THERMALLY MODIFIED WOOD OF PINE, ASH AND SPRUCE <i>Hamiyet Şahin KOL, Sema Aysal KESKİN and Kübra Gündüz VAYDOĞAN</i>
11:45-12:00	SOME PHYSICAL AND MECHANICAL PROPERTIES OF THE HOT PRESSED EASTERN BEECH (FAGUS ORIENTALIS LIPSKY) WOOD <i>Kubulay CAÇATAY, Hacı İsmail KESİK, Hasan VURDU, Mustafa ÖNCEL and Tolga SUBAŞI</i>
12:00-12:15	MOLD RESISTANCE OF NANO AND MICRONOZED PARTICLES-TREATED WOOD AFTER ARTIFICIAL WEATHERING PROCESS <i>Evren TERZİ, Coşkun KÖSE and S. Nami KARTAL</i>
12:15-12:30	COMBUSTION PROPERTIES OF SOME WOODS TREATED WITH VEGETABLE TANNIN EXTRACTS <i>Osman PERÇİN, Mustafa ALTUNOK, Şemsettin DORUK and Cevdet SAÇLI</i>
12:30-13:30	🎧 Lunch Break (Karadeniz Technical University Restaurant) (Only registered participants can join and invitation card is required)



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FAHRİ KURAN HALL

SESSION: Wood Deterioration - Wood Preservation - Wood Modification

CHAIR: Prof. Dr. Jeffrey J. MORRELL

- 15:45-16:00 DEVELOPMENT OF A NEW WOOD PRESERVATIVE
Louis GASTONGUAY and Brent ELTON
- 16:00-16:15 DEPICTIONS ON WOOD: ACCEPTATION AND INTERNALIZATION OF WOOD, WHICH IS AN INTERCULTURAL INTERACTION TOOL, AS "A VALUABLE OBJECT" (THE DISCOVERY OF WOOD IS NOT OVER YET)
İlker USTA
- 16:15-16:30 THE EVALUATION OF WOOD DESTROYING INSECTS DETECTED IN SOME PROVINCES OF TURKEY ACCORDING TO SHANNON SPECIES DIVERSITY AND MARGALEF SPECIES REACHNESS
Çağlar AKÇAY, Mesut YALÇIN, Selim ŞEN and Cihat TAŞÇIOĞLU
- 16:30-16:45 GAMMA IRRADIATION OF WOOD INCORPORATED WITH ORTHOPHTALITIC UNSATURATED POLYESTER RESIN WITH STYRENE: PHYSICAL AND BIOLOGICAL PROPERTIES
S. Nami KARTAL, Evren TERZİ and Ömer KANTOĞLU
- 16:45-17:00 THE EFFECT OF HEAT TREATMENT ON SURFACE ROUGHNESS AND EQUILIBRIUM MOISTURE CONTENT OF SOME WOOD SPECIES
Hamiyet Şahin KOL, Kübra Gündüz VAYDOĞAN and Sema Aysal KESKİN
- 17:00-17:15 ☕ Coffee/Tea Break

CHAIR: Prof. Dr. İlker USTA

- 17:15-17:30 INVESTIGATION EFFECT OF LIQUID GLASS ON LEACHING PERFORMANCE OF WOOD MATERIALS STAINED BY LICORICE (GLYCYRRHIZA GLABRA L.) EXTRACTS
Osman GÖKTAS, Mehmet YENIOCAK, Sevil YENIOCAK, Ertan OZEN, Mehmet COLAK and Mehmet UGURLU
- 17:30-17:45 EVALUATING SOME SURFACE PROPERTIES OF THERMALLY COMPRESSED PAULOWNIA WOOD MATERIALS
Zeki CANDAN, Oktay GÖNÜLTAŞ, Hızır Volkan GÖRGÜN and Öner ÜNSAL
- 17:45-18:00 PROTECTING OF TRADITIONAL KNOWLEDGE AND BIODIVERSITY: AN ASSESTMENT IN TERMS OF INTELLECTUAL PROPERTY RIGHTS AND NON-TIMBER FOREST PRODUCTS
Taner OKAN and Coşkun KÖSE
- 18:00-18:15 WEATHERING OF HEATED AND VARNISHED SCOTS PINE AND ORIENTAL BEECH WOODS
Şaban KART, Ergün BAYSAL, Çağlar ALTAY, Erdoğan GAVCAR, Hilmi TOKER and Turkey TÜRKÖĞLU
- 18:15-18:30 THE EFFECT OF MODIFICATION WITH EPOXY AND POLYESTER RESINS ON SOME MECHANICAL PROPERTIES OF PINE AND CHESTNUT WOODS
Hüseyin PELİT, Esra KASAR and Abdullah SÖNMEZ
- 20:00-22:30 🍷 **GALA DINNER (Novotel Trabzon Hotel)**
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BEDRİ RAHMİ EYÜBOĞLU HALL

SESSION: Furniture (Design - Manufacturing - Restoration)

CHAIR: Prof. Dr. Ahmet KURTOĞLU

- 10:45-11:00 MUSCULOSKELETAL RISKS IN FURNITURE INDUSTRY AND MODEL APPLICATION
Fatih YAPICI, Erkan LİKOS and Hasan BAŞ
- 11:00-11:15 CRITICAL BUCKLING LOAD OF THE SIDE WALLS OF CABINET FURNITURE
Jerzy SMARDZEWSKI
- 11:15-11:30 THE REHABILITATION POSSIBLE OF CHAIR FRAMES MADE FROM SYCAMORE (PLATANUS ORIENTALIS), PINE (PINUS ELDARICA) AND POPLAR (POPULUS NIGRA) USING GLASS FIBER-REINFORCED POLYMERS
Ali BAYATKASHKOLL, Mahmoud-Reza HOSSEINI-TABATABAEI, Farhad KOL and Mohsen SHIKH
- 11:30-11:45 PRODUCTION BATCH SIZE 1 AS THE PRECURSOR FOR THE INDUSTRY 4.0 INITIATIVE
Iva Čechová HOUBOVÁ and Karel KRONTORÁD
- 11:45-12:00 CAPACITY CALCULATION APPROACH FOR FURNITURE COMPANIES AND APPLICATION OF A PROCESS EFFICIENCY ANALYSIS
K. Hüseyin KOÇ, Ender HAZIR and Sedanur SEKER
- 12:00-12:15 DETERMINING SYMMETRIC-ASYMMETRIC FURNITURE PREFERENCES AND FORM AND COLOUR PREFERENCES FOR CHILDREN'S ROOM OF THE GIFTED CHILDREN
Oğuzhan UZUN, Mehmet SARIKAHYA and İhsan KÜRELİ
- 12:15-12:30 DRILLING BITS AND OPERATIONS USED IN DRILLING MACHINES IN FURNITURE INDUSTRY
Abdülkadir MALKOÇOĞLU, Ahmet KURTOĞLU and Ali ÇAKMAK
- 12:30-13:30 ☪ **Lunch Break (Karadeniz Technical University Restaurant)**
(Only registered participants can join and invitation card is required)

BEDRİ RAHMİ EYÜBOĞLU HALL

SESSION: Adhesives, Coatings and Finishing

CHAIR: Assoc. Prof. Dr. Andreja KUTNAR

- 15:45-16:00 DIMENSIONAL STABILITY OF WOOD BONDED WITH THE PHENOL-FORMALDEHYDE/WASTE TYRE PYROLYTIC OIL BLEND ADHESIVE
Erkan Sami KÖKTEN, Nadir AYRILMIŞ, Günay ÖZBAY and Ayhan ÖZÇİFCİ
- 16:00-16:15 THE IMPACT OF SANDING SYSTEM ON THE SURFACE ROUGHNESS OF MEDIUM DENSITY FIBREBOARD
Tanja PALIJA, Milan JAIĆ and Igor DŽINČIĆ
- 16:15-16:30 IMPACT OF IMPREGNATION AND VARNISHING ON COMBUSTION PROPERTIES OF SPRUCE (PICEA ORIENTALIS L.) WOOD.
Osman PERÇİN and Musa ATAR
- 16:30-16:45 INFLUENCE OF WOODEN OUTDOOR FURNITURE FINISHED SURFACES WATER ABSORPTION ON AND THE PROPERTIES OF COATING FILMS
Daniela TESARJOVÁ, Eve JERÁBKOVÁ, Petr ČECH and Karel KRONTORAD
- 16:45-17:00 INVESTIGATIONS OF THE AESTHETIC-DECORATIVE FEATURES OF COATINGS IN ANALOQUE PRINTING TECHNOLOGY
Tomasz KRYSZTOFIAK, Stanisław PROSZYK, Barbara LIS and Maciej TOKARCZYK
- 17:00-17:15 ☪ Coffee/Tea Break



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BEDRI RAHMI EYUBOGLU HALL

SESSION: Forest Products Economics and Marketing

CHAIR: Prof. Dr. Sezgin ÖZDEN

17:15-17:30	OVERVIEW OF FURNITURE ADVERTISING IN TURKEY <i>E.Seda ERDİNLER, Emel ÖZTÜRK and Sedanur ŞEKER</i>
17:30-17:45	THE ROLE OF GS CERTIFICATION MARK ON FURNITURE INDUSTRY <i>Erkan LİKOS, Fatih YAPICI and Hasan BAS</i>
17:45-18:00	BRAND MANAGEMENT STRATEGIES FOR FURNITURE ENTERPRISES: CASE STUDY OF ORDU AND GİRESUN <i>Emel ÖZTÜRK, E. Seda ERDİNLER and Devrim KARADEMİR</i>
18:00-18:15	DETERMINATION OF THE SIGNIFICANCE OF THE PAPER AND PAPER PRODUCTS SECTOR IN TURKISH ECONOMY WITH INPUT-OUTPUT ANALYSIS <i>Mustafa Fehmi TÜRKER, Canan YILMAZ, Elif BERKER and Emine Nur YEŞİLYURT</i>
18:15-18:30	AN OVERVIEW ON FOREST INDUSTRY SECTOR IN TURKEY: CONSTRAINTS, PROBLEMS AND SOLUTIONS <i>Ahmet TOLUNAY and Türkay TÜRKÖÇLÜ</i>
20:00-22:30	🎤 GALA DINNER (Novotel Trabzon Hotel) (Only registered participants can join and invitation card is required)

AHMET SELİM TEYMÜR HALL

SESSION: Operational Research, Ergonomy, Artificial Intelligence, Occupational Safety

CHAIR: Assoc. Prof. Dr. Türkay TÜRKÖÇLÜ

10:45-11:00	COSTING PRACTICES WITH INDUSTRY 4.0 APPROACH <i>Sabit TUNCEL, Zeki CANDAN and Atanur SATIR</i>
11:00-11:15	ERGONOMIC INVESTIGATION OF COMPUTER LABORATORIES OF ÇAY VOCATIONAL AND TECHNICAL HIGH SCHOOL IN TERMS OF STUDENTS <i>Necmi KAHRAMAN, Rasim DERMEZ, Abdi ATILGAN and Ali ÜNLÜ</i>
11:15-11:30	INDUSTRY 4.0 AWARENESS IN FURNITURE ENTERPRISES: CASE STUDY OF ORDU AND GİRESUN <i>Devrim KARADEMİR, Emel ÖZTÜRK and K. Hüseyin KOÇ</i>
11:30-11:45	THE EFFECT OF OCCUPATIONAL SAFETY ON THE MOTIVATION OF EMPLOYEES IN THE ORGANIZATIONAL CULTURE: CASE STUDY FOR FURNITURE ENTERPRISES <i>Mehmet Ozan ÇİNEL, Devrim KARADEMİR and Hamza KANDEMİR</i>
11:45-12:00	INNOVATIVE APPROACHES IN WOOD INDUSTRY <i>Sabit TUNCEL, Zeki CANDAN and Atanur SATIR</i>
12:00-12:15	RISK ANALYSIS APPLICATION IN FURNITURE PRODUCTION SYSTEMS: FINE KINNEY METHOD <i>Hafız Hulusi ACAR and Kemal UÇUNCU</i>
12:15-12:30	OPTIMIZATION OF VENEER DRYING TEMPERATURE FOR THE BEST MECHANICAL PROPERTIES OF PLYWOOD VIA ARTIFICIAL NEURAL NETWORK <i>Sukru OZSAHİN, Aydın DEMİR, İsmail AYDIN</i>
12:30-13:30	🎤 Lunch Break (Karadeniz Technical University Restaurant) (Only registered participants can join and invitation card is required)



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AHMET SELİM TEYMÜR HALL

SESSION: Non-Destructive Evaluation of Wood Materials

CHAIR: Prof. Dr. Jerzy SMARDZEWSKI

- | | |
|-------------|--|
| 15:45-16:00 | PREDICTION OF BENDING PROPERTIES OF ORIENTAL BEECH WOOD EXPOSED TO TEMPERATURE
<i>Tuğba Yılmaz AYDIN and Murat AYDIN</i> |
| 16:00-16:15 | FINITE ELEMENT MODELLING IN WOOD AND WOOD BASED MATERIALS
<i>Ümmü KARAGÖZ İŞLEYEN</i> |
| 16:15-16:30 | COMBINED NON-DESTRUCTIVE TEST METHODS FOR PREDICTING FLEXURAL PROPERTIES OF TURKISH BLACK PINE (<i>Pinus nigra</i> var. <i>pallasiana</i> Arnold.) STRUCTURAL LUMBERS
<i>Hızır Volkan GÖRGÜN and Türker DÜNDAR</i> |
| 16:30-16:45 | SHEAR MODULI DETERMINATION OF NATURALLY AGED BLACK PINE WOOD
<i>Murat AYDIN and Tuğba YILMAZ AYDIN</i> |
| 17:00-17:15 | ☕ Coffee/Tea Break |
| 20:00-22:30 | 🎉 GALA DINNER (Novotel Trabzon Hotel)
(Only registered participants can join and invitation card is required) |



DAY 3

FRIDAY, 28 SEPTEMBER 2018

SCIENTIFIC SESSIONS – SEPTEMBER 28, 2018

HASAN TURAN HALL

SESSION: Wood and Wood Based Composites

CHAIR: Prof. Dr. Mohini M. SAIN

- | | |
|-------------|---|
| 09:00-09:15 | THE EFFECT OF VERMICULITE USAGE ON SURFACE PROPERTIES OF MEDIUM DENSITY FIBERBOARD
<i>Abdullah İSTEK, İsmail ÖZLÜSOYLU, Ahmet CAN and Murat ONAT</i> |
| 09:15-09:30 | EVALUATION OF CONNECTIONS MADE BY DIFFERENT WOODEN MATERIALS AND BRACKET UNDER CYCLIC LOADS
<i>Saeed KAZEMI NAJAFI, Seyed Mahdi MOUSAVI and Majid ELYASI</i> |
| 09:30-09:45 | INVESTIGATION OF THERMAL CONDUCTIVITY OF WOOD SANDWICH PANELS WITH ALUMINIUM AND POLYPROPYLENE CORE
<i>Mustafa ASLAN, Hasan ÖZTÜRK and Cenk DEMİRKİR</i> |
| 09:45-10:00 | MECHANICAL PROPERTIES OF WOVEN CARBON AND GLASS FIBER FABRIC REINFORCED WOOD PLASTIC COMPOSITES
<i>Sefa DURMAZ, Erkan AVCI and Yusuf Ziya ERDİL</i> |
| 10:00-10:15 | COMPARISON OF MECHANICAL AND THERMAL PROPERTIES OF WASTE AND NEAT POLYPROPYLENE
<i>Gökhan GÜNDÜZ, Deniz AYDEMİR, Eser SÖZEN and Gökay NEMLİ</i> |
| 10:15-10:30 | THE LOW-VELOCITY IMPACT BEHAVIOUR OF WOOD SKINNED SANDWICH COMPOSITES WITH DIFFERENT CORE CONFIGURATIONS
<i>Fatih BALIKOĞLU, Tayfur Kerem DEMİRCİOĞLU and Nurettin ARSLAN</i> |
| 10:30-10:45 | EFFECTS OF PRESSING TIME ON SOME TECHNOLOGICAL PROPERTIES OF LAMINATED VENEER LUMBER (LVL) PRODUCED USING WITH NYLON WASTE AS ADHESIVE
<i>Semra ÇOLAK, Okan İLHAN and Gürsel ÇOLAKOĞLU</i> |
| 10:45-11:00 | ☕ Coffee/Tea Break |



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HASAN TURAN HALL

SESSION: Biomaterials - Biomass – Bioenergy

CHAIR: Prof. Dr. Coşkun KÖSE

- 11:00-11:15 GEL PERMEATIVE CHROMATOGRAPHY (GPC) ANALYSIS POLYCAPROLACTONE (PCL) BASED BIODEGRADABLE COMPOSITES THROUGH LABORATORY SOIL TEST
Fatih MENGELOĞLU, Ençin Derya GEZER, Kadir KARAKUŞ, İlkay ATAR, İbrahim Halil BAŞBOĞA and Fatma BOZKURT
- 11:15-11:30 CONSTRUCTION OF FRAMEWORK FOR DETERMINATION OF WOOD BIOMASS IN TURKEY FORESTS
Seçil YILDIRIM, Nuray MISIR, Mehmet MISIR and Cemile ÇAKIR
- 11:30-11:45 THE EFFECTS OF NANOBORON NITRIDE ON THE PHYSICAL PROPERTIES OF PLA AND PHB NANOCOMPOSITES
Gulyaz AL, Deniz AYDEMİR, Bülent KAYGIN, Gökhan GÜNDÜZ and Nadir AYRILMIŞ
- 11:45-12:00 THE EFFECT OF DEGRADATION TIME ON THE MECHANICAL PROPERTIES OF POLYCAPROLACTONE (PCL) BASED BIODEGRADABLE COMPOSITES THROUGH 18 MONTHS OF LABORATORY SOIL TEST
Fatih MENGELOĞLU, Turgay DINDAROĞLU, Kadir KARAKUŞ, İlkay ATAR, İbrahim Halil BAŞBOĞA, Fatma BOZKURT and Yıldız BİRBİLEN
- 12:00-12:15 EFFECT OF GLUTARALDEHYDE, WASTE TEA WOOD FLOURS (WTF) AND POLYCAPROLACTONE (PCL) ON THE SOME PROPERTIES OF THERMOPLASTIC STARCH (TPS) BASED BIOCOSITES
İlkay ATAR, İbrahim Halil BAŞBOĞA, Kadir KARAKUŞ and Fatih MENGELOĞLU
- 12:15-12:30 ESTIMATION OF WOOD BIOMASS FOR ANATOLIAN PINE STANDS (A CASE STUDY IN AKÇAY REGION)
Cemile ÇAKIR, Mehmet MISIR, Nuray MISIR and Seçil YILDIRIM
- 12:30-13:30 **☉ Lunch Break (Karadeniz Technical University Restaurant)**
(Only registered participants can join and invitation card is required)



HASAN TURAN HALL

SESSION: Adhesives, Coatings and Finishing

CHAIR: Dr. Jakub SANDAK

- 14:00-14:15 CURING STUDY OF MF/CLAY NANOCOMPOSITE COATED MELAMINE PAPER
Abouzar HATAM, Mohammadreza Dehghani FIROUZABADI and Hossein RESALATI
- 14:15-14:30 THE EFFECT OF THE WATER-BASED COLOR BARRIER ON THE NATURAL WOOD VENEER
Mete AKTER, Ayhan AYTIN and Carmelo Kağan KONMAZ
- 14:30-14:45 THE REACTION TO FIRE OF SOME CHEMICALS TREATED PINE WOOD PRODUCT SURFACE
Sevda BORAN, Ayfer Dönmez ÇAVDAR and Turgay ÖZDEMİR
- 14:45-15:00 THE IMPACT OF WOOD VENEER SPECIES ON ITS ADHESION STRENGTH ON SURFACE OF MEDIUM DENSITY FIBREBOARD
Tanja PALIJA, Vladislav ZDRAVKOVIĆ and Andela OBRADOVIĆ
- 15:00-15:15 SURFACE FINISHING PROBLEMS OF HISTORICAL WOODEN HOUSES LOCATED IN WESTERN BLACK SEA REGION OF TURKEY
Bulent KAYGIN, Azize Toper KAYGIN, Saadettin Murat ONAT, Yafes YILDIZ, N. Kaan ÖZKAZANÇ, Selma ÇELIKYAY, Ümit Cafer YILDIZ and Sibel YILDIZ
- 15:15-15:30 NANO TiO₂-MODIFICATION OF UV-CURABLE COATED OAK WOOD: UV-RESISTANCE AND WATTABILITY
Mojtaba SOLTANI, Farzad KIA and Reza BAKHSHI
- 15:30-15:45 INFLUENCE OF BLEACHING CHEMICALS ON THE SOME VARNISHING PROPERTIES OF COATED FIR WOOD
Turgay ÖZDEMİR, Özlem BOZDOĞAN BALÇIK
- 15:45-16:00 THE PERFORMANCE OF WATER-BORNE ACRYLIC COATING SYSTEMS ON FLAT-PRESSED WOOD PLASTIC COMPOSITES
Sefa DURMAZ, Özlem ÖZGENÇ and Erkan AVCI
- 16:00-16:15 ☕ Coffee/Tea Break



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HASAN TURAN HALL

SESSION: Wood Chemistry - Pulp and Paper

CHAIR: Assoc. Prof. Dr. Sedat ONDARAL

16:15-16:30	CHEMICAL COMPOSITION AND FIBER MORPHOLOGY OF ALMOND SEEDLING NATURALLY GROWN IN KAHRAMANMARAŞ <i>Zehra Odabaş SERİN</i>
16:30-16:45	A COMPARATIVE STUDY ON THE FABRICATION OF POLYMERIC MULTILAYERS ON OCC RECOVERED FIBERS <i>Hamidreza RUDI and Yahya HAMZEH</i>
16:45-17:00	PREPARATION AND CHARACTERIZATION OF ACTIVATED CARBON FROM DIFFERENT WOOD TYPES GROWING IN IRAQ <i>Osamah I. AHMED, Iman H. ZAINULABDEEN and Mohammed ALBAYATI</i>
17:00-17:15	EFFECTS OF PULP STORAGE CONDITIONS ON DEINKED PULP OPTICAL PROPERTIES <i>Sami İMAMOĞLU, Emrehan ARPAÇI and Arif KARADEMİR</i>
17:15-17:30	THE EFFECTS OF H ₂ SO ₄ CATALYST AMOUNTS IN PRODUCTION PROCESS ON CELLULOSE ACETATE PROPERTIES <i>Emir ERİŞİR and Esat GÜMÜŞKAYA</i>



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FAHRİ KURAN HALL

SESSION: Wood Deterioration - Wood Preservation - Wood Modification

CHAIR: Prof. Dr. Jinzhen CAO

- 09:00-09:15 INVESTIGATIONS ON WOOD DESTROYING MARINE BORERS IN THE TURKISH COASTAL WATERS
Hüseyin SIVRİKAYA
- 09:15-09:30 THE EFFECT OF SEASONAL CONDITIONS ON THE FLUE GAS (O₂, CO, CO₂, NOX) VALUES FORMED BY THE COMBUSTION OF WOOD MATERIAL
S. Sadiye YAŞAR, Musa ATAR and Mehmet YAŞAR
- 09:30-09:45 DETERMINATION OF POMEGRANATE (*Punica granatum* L.) DYE AND LIQUID GLASS PAINTING (SiO₂) MIXTURE ON ANTIMICROBIAL ACTIVITY AND WOOD SURFACES PROTECT AGAINST THE DEVELOPMENT OF ROT FUNGI
Osman GÖKTAŞ, Ertan ÖZEN, Mehmet YENİOCAK, Mehmet ÇOLAK, Mehmet ÖNEL and Ferah YILMAZ
- 09:45-10:00 THE EFFECT OF SUB-ZERO APPLICATION ON PARALLEL FIBER PRESSURE RESISTANCE OF THERMOWOOD-TREATED *SORBUS TORMINALIS*
Ayhan AYTİN
- 10:00-10:15 CHANGES IN CONTACT ANGLE OF HEAT TREATED WOOD DUE TO NATURAL WEATHERING OF 2 YEARS
Sebnem Sevil ARPACI, Eylem DIZMAN TOMAK and Derya USTAOMER
- 10:15-10:30 COMPARISON OF DURABILITY OF DIFFERENT WATER-BORNE ACRYLIC RESIN WITH UV ABSORBER WOOD COATING SYSTEMS IN NATURAL WEATHERING
Özlem ÖZGENÇ
- 10:30-10:45 USAGE POSSIBILITIES OF FLAXSEED (*Linum usitatissimum*) AS GROWTH MEDIUM FOR CONIOPHORA PUTEANA FUNGI
Ümit Cafer YILDIZ, Ayşenur GÜRGEN and Sibel YILDIZ
- 10:45-11:00 ☕ Coffee/Tea Break

CHAIR: Prof. Dr. Ümit Cafer YILDIZ

- 11:00-11:15 MOISTURE CONTENT CHANGES AND SWELLING OF PLYWOOD PANELS COMPOSED OF THERMALLY TREATED AND NO TREATED POPLAR ROTARY CUTTED VENEERS IN LONG TERM OUTDOOR EXPOSITION
Vladislav ZDRAVKOVIĆ and Aleksandar LOVRIC
- 11:15-11:30 DETERMINATION OF BONDING STRENGTH AND COMBUSTION CHARACTERISTICS OF LAMINATED WOOD MATERIAL REINFORCED WITH CARBON FIBER (CFRP)
Çağlar ALTAY, Ayhan ÖZÇİFTÇİ, Ergün BAYSAL and Hilmi TOKER
- 11:30-11:45 WETTABILITY OF SCOTS PINE COATED WITH ZNO AND CEO₂ STABILIZED ACRYLIC COATING AFTER ACCELERATED WEATHERING
Eylem DIZMAN TOMAK, Sebnem Sevil ARPACI and Omur Ahmet YAZICI
- 11:45-12:00 USE OF SILICONE BASED CHEMICALS IN THE MEDIUM DENSITY FIBERBOARD PRODUCTION
Meryem ONDARAL, Mustafa USTA and Sedat ONDARAL
- 12:00-12:15 EFFECT OF HEAT TREATMENT ON THE SURFACE CHARACTERISTICS OF BAMBOO (PHYLLOSTACHYS BAMBUSOIDES)
Elif TOPALOĞLU, Derya USTAÖMER and Nurgül AY
- 12:15-12:30 DURABILITY OF WATER-BORNE ACRYLIC RESIN WITH COMMERCIAL UV ABSORBER AND TREE BARK EXTRACT COATING SYSTEMS IN OUTDOOR CONDITIONS
Özlem ÖZGENÇ, Sefa DURMAZ, Süleyman KUŞTAŞ and Ebru BİLİCİ
- 12:30-13:30 🍽️ **Lunch Break (Karadeniz Technical University Restaurant)**
(Only registered participants can join and invitation card is required)



FAHRİ KURAN HALL

SESSION: Wood Chemistry - Pulp and Paper

CHAIR: Prof. Dr. Harzemşah HAFIZOĞLU

- 14:00-14:15 APPLICATION OF DES (DEEP EUTECTIC SOLVENT) TO WOOD EXTRACTIVES
Ayben KILIC PEKG ZL  and Esra CEYLAN
- 14:15-14:30 ALKALINE SULFITE ANTHRAQUINONE (AS-AQ) AND MONOETHANOLAMINE (MEA) PROCESSES; A PROGRESS IN NON-WOODY PLANTS PULPING
Şahab HEDJAZI
- 14:30-14:45 DETERMINATION OF THE EFFECT ON THE COLOR HOMOGENEITY OF THE USE OF NATURAL DYE STUFF IN PAPER OBTAINED FROM RECYCLED PAPER BY ACCELERATED WHEATHERING
Ayhan GENÇER, Ahmet CAN,  lk  Burcu GİTTİ and Aysun MUSTAK
- 14:45-15:00 EFFECT OF FRACTIONATION ON THE PROPERTIES OF PAPERS MADE FROM OCC FIBERS
Hamidreza RUDI
- 15:00-15:15 THE OXIDATIVE PRETREATMENTS OF CELLULOSE FOR CELLULOSIC SUPERABSORBENTS
Asena Damla ÇELİK, Esat GUMUSKAYA, Huseyin KIRCI and Emir ERİŞİR
- 15:15-15:30 TRANSITION METAL OXIDE CLUSTERS AS CATALYSTS FOR BLEACHING OF CELLULOSIC PULPS AND NATURAL FIBERS
Grigore CRĂCIUN, Gheorghe DUTUC and Alexandru BOTAR
- 15:30-15:45 TREATMENT OF WASTE WATER FROM FLOTATION DEINKING PROCESS WITH ACTIVATED CHARCOAL
Murat ERTAŞ, Emrehan ARPACI and Sami İMAMOĞLU
- 15:45-16:00 CHEMICAL COMPOSITION OF WOOD AND BARK OF TURKISH YEW (TAXUS BACCATA L.)
Yasemin ZENGİN and Mustafa USTA
- 16:00-16:15 ☕ Coffee/Tea Break



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FAHRİ KURAN HALL

SESSION: Furniture (Design - Manufacturing - Restoration)

CHAIR: Prof. Dr. Abdülkadir MALKOÇOĞLU

16:15-16:30	ANALYTICAL APPROACH TO SITTING FURNITURE DESIGN AND AN EXPERIMENTAL APPLICATION <i>Mustafa ALTUNOK and Elif Rabia UYSAL</i>
16:30-16:45	DEVELOPMENT OF FOREIGN TRADE AND PRODUCTION IN FURNITURE HARDWARE SECTOR IN TURKEY <i>Tuncer DİLİK, Uğur KILIÇ and Ahmet KURTOĞLU</i>
16:45-17:00	THE STRENGTH PROPERTIES OF FURNITURE CORNER JOINTS ASSEMBLED WITH FASTENERS APPLICABLE WITHOUT PRE-DRILLING PROCESS <i>Serkan ÖZDEMİR and Hasan Hüseyin CİRİTCİOĞLU</i>
17:00-17:15	VOC EMISSIONS FROM NATURAL LEATHER USED FOR UPHOLSTERY FURNITURE PRODUCTION <i>Petr ČECH, Daniela TESAŘOVÁ, Jiří STÁDNÍK</i>
17:15-17:30	HOUSING SUGGESTION FOR LARGE FAMILIES <i>Mehmet SARIKAHYA, Oğuzhan UZUN and İhsan KÜRELİ</i>

BEDRİ RAHMİ EYÜBOĞLU HALL

SESSION: Forest Products Economics and Marketing

CHAIR: Prof. Dr. Tuncer DİLİK

09:00-09:15	FOREST INDUSTRY ENGINEERING EMPLOYMENT IN TURKEY: WHY ARE WE UNEMPLOYED? <i>Ahmet TOLUNAY and Türkay TÜRKÖĞLU</i>
09:15-09:30	A STUDY ON THE PLANNING AND TARGETING APPLICATIONS IN FOREST PRODUCTS INDUSTRY ENTERPRISES (CASE OF ISTANBUL PROVINCE) <i>İlker AKYÜZ, Kadri Cemil AKYÜZ, Nadir ERSEN, Bahadır Çağrı BAYRAM and İbrahim YILDIRIM</i>
09:30-09:45	INVESTIGATION OF THE SIGNIFICANCE AND THE LOCATION OF THE FURNITURE SECTOR IN TURKISH ECONOMY <i>Mustafa Fehmi TÜRKER, Elif BERKER, Emine Nur YEŞİLYURT and Canan YILMAZ</i>
09:45-10:00	SUPPLY CHAIN OF RESIDUAL WOODY BIOMASS AFTER LOGGING OPERATIONS <i>Mehmet EKER and Hafız Hulusi ACAR</i>
10:00-10:15	DETERMINATION OF THE SIGNIFICANCE OF TIMBER, TREE PRODUCTS AND MUSHROOM PRODUCTS (EXCEPT FURNITURE) SECTOR IN TURKISH ECONOMY WITH INPUT-OUTPUT ANALYSIS <i>Mustafa Fehmi TÜRKER, Emine Nur YEŞİLYURT, Canan YILMAZ and Elif BERKER</i>
10:15-10:30	EVALUATION OF MANAGERS IN FOREST PRODUCTS INDUSTRY ENTERPRISES ACCORDING TO THREE FEATURES AND MANAGERIAL SKILLS APPROACHES <i>İlker AKYÜZ, Nadir ERSEN, Kadri Cemil AKYÜZ, İbrahim YILDIRIM and Ali BÜYÜKÜSTÜN</i>
10:45-11:00	☕ Coffee/Tea Break



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BEDRİ RAHMİ EYÜBOĞLU HALL

SESSION: Operational Research, Ergonomy, Artificial Intelligence, Occupational Safety

CHAIR: Prof. Dr. Mustafa Fehmi TÜRKER

- 11:00-11:15 MODELING THE EFFECTS OF PROCESS PARAMETERS ON THE SURFACE ROUGHNESS OF WOOD USING ARTIFICIAL NEURAL NETWORKS
Sukru ÖZŞAHİN and Hilal SİNGER
- 11:15-11:30 ANALYSIS OF SOCIO-ECONOMIC SITUATION FOR WOOD PRODUCTION WORKERS IN SUPPLY CHAIN
Selçuk GÜMÜŞ, Taha Yasin HATAY and Saliha ÜNVER OKAN
- 11:30-11:45 USE OF PERSONAL PROTECTIVE EQUIPMENT IN MICRO-SCALE WOOD WORKING ENTERPRISES
Yener TOP, Hakan ADANUR and Mehmet ÖZ
- 11:45-12:00 EVALUATION OF THE RISKS IN WOOD HARVESTING ACTIVITIES BY THE PRELIMINARY HAZARD ANALYSIS (PHA)
Saliha ÜNVER OKAN, Hafız Hulusi ACAR, Selçuk GÜMÜŞ and İbrahim ERGENÇ
- 12:00-12:15 OCCUPATIONAL HEALTH AND SAFETY AWARENESS IN TURKISH WOOD, WOOD PRODUCTS AND MUSHROOM PRODUCTION SECTOR
Osman KOMUT, S. Sadiye YAŞAR and Mehmet YAŞAR
- 12:15-12:30 AN APPLICATION ON THE ASSIGNMENT OF THE MOST PROPER WORKER WITH THE HUNGARIAN ALGORITHM IN THE FURNITURE MANUFACTURING PROCESSES
Kıvanç YILMAZ, Mehmet Ekmel SÜ and Erol BURDURLU
- 12:30-13:30 **☉ Lunch Break (Karadeniz Technical University Restaurant)**
(Only registered participants can join and invitation card is required)



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BEDRİ RAHMİ EYÜBOĞLU HALL

SESSION: Non-Wood Forest Products

CHAIR: Prof. Dr. İlhan DENİZ

- 14:00-14:15 SOME NATURAL AND EXOTIC PLANT TAXA, WHICH IS USED NON-WOOD FOREST PRODUCTS, IN PARKS OF TRABZON
Zafer Cemal ÖZKAN, Diren Uygan SARAC and Arzu Ergül BOZKURT
- 14:15-14:30 CHEMICAL COMPOSITION OF PINUS BRUTIA TEN. TURPENTINE
Zehra Odabaş SERİN, Ayben Kılıç PEKGÖZLÜ and Eyüp ÜNALDI
- 14:30-14:45 ANTIOXIDANT, ANTIMICROBIAL AND ANTI-QUORUM SENSING ACTIVITIES OF USNEA FILIPENDULA AND VISCUM ALBUM
Sibel YILDIZ, Ayşenur GÜRGEN, Ceyhan KILIÇ, Sana TABBOUCHE, Ali Osman KILIÇ and Zehra CAN
- 14:45-15:00 EFFECT OF ACID RATIO USED ON THE RESIN YIELD IN THE PRODUCTION OF PINE RESIN (OLEORESIN) FROM (PINUS MARITIMA L.) AND RED PINE (PINUS BRUTIA TEN.)
İlhan DENİZ, Eyyüp KARAOĞUL and Bilge YILMAZ
- 15:00-15:15 UTILIZATION OF TRAPA NATANS
Esra CEYLAN and Ayben KILIÇ PEKGÖZLÜ
- 15:15-15:30 CERTIFICATED OF MEDICINAL AND AROMATICAL PLANT
Onur Tolga OKAN and Mehmet ÖZ
- 15:30-15:45 SOME PLANT TAXA USED ON HANDICRAFTS IN TRABZON REGION
Diren Uygan SARAC, Zafer Cemal ÖZKAN and Arzu ERGÜL BOZKURT
- 16:00-16:15 ☕ Coffee/Tea Break



BEDRİ RAHMİ EYÜBOĞLU HALL

SESSION: Operational Research, Ergonomy, Artificial Intelligence, Occupational Safety

CHAIR: Prof. Dr. Ahmet TOLUNAY

- | | |
|-------------|---|
| 16:15-16:30 | EMPLOYING A MULTI-CRITERIA DECISION MAKING METHOD TO EVALUATE ENGINEERED WOOD PRODUCTS AND TIMBER
<i>Hilal SINGER and Sukru ÖZŞAHİN</i> |
| 16:30-16:45 | APPLICATION OF ABC ANALYSIS IN A LARGE-SCALE FURNITURE FACTORY
<i>Mehmet Ekmel SÜ and Erol BURDURLU</i> |
| 16:45-17:00 | COMBINED APPLICATION OF OCCUPATIONAL HEALTH AND SAFETY RISK ASSESSMENT METHODS AND RISK MANAGEMENT; A CASE STUDY
<i>Sadettin Murat ONAT, Fatih YAPICI and Gülşah GÜNEYSU</i> |
| 17:00-17:15 | SOME ANTHROPOMETRIC MEASUREMENTS ABOUT PRESCHOOL STUDENTS (DİYARBAKIR CITY EXAMPLE)
<i>Hasan Hüseyin CİRİTCİOĞLU and Gülşen GÖKDEMİR</i> |
| 17:15-17:30 | DETERMINATION OF IMPORTANCE LEVEL OF WOOD HARVESTING ACTIVITIES AND OCCUPATIONAL SAFETY EQUIPMENTS BY SMART METHOD
<i>İbrahim ERGENÇ and Saliha ÜNVER OKAN</i> |



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AHMET SELİM TEYMÜR HALL

SESSION: Environmental and Ecological Issues in Forest Industry

CHAIR: Prof. Dr. Hülya KALAYCIOĞLU

- 11:00-11:15 FORMALDEHYDE EMISSIONS AND EFFECTS ON HEALTH DURING ARRIVAL OF FURNITURE TO ULTIMATE CONSUMER
Kardelen KOÇ
- 11:15-11:30 WASTE WOOD-FROM ORDINARY WASTE TO VALUABLE BIORESOURCE
Özgür GÜNER
- 11:30-11:45 REMEDIATION OF Cu-TREATED WOOD BY RAW BORON MINERALS IN COMPARISON WITH COMMERCIAL BORON COMPOUND, BORAX
Evren TERZİ, Serdar AKBURAK and S. Nami KARTAL
- 11:45-12:00 EFFECTS OF FOREST HARVESTING AND USING SAWDUST ON RUNOFF IN SKID TRAILS IN THE HYRCANIAN FOREST, NORTHERN IRAN
Masoumeh AHMADI, Meghdad JOURGHOLAMI, Baris MAJNOUNIAN and Shahram KHALIGHI
- 12:00-12:15 A REVIEW OF LOG DEGRADATION RESULTING FROM MANUAL FELLING AND GROUND-ORIENTED HARVESTING IN TURKEY
Arif Oğuz ALTUNEL and Sadık ÇAĞLAR
- 12:15-12:30 THE EFFECTS OF THE PRIMER TRANSPORT TECHNIQUES ON RAW WOOD MATERIALS IN TURKEY
Sadık ÇAĞLAR and Arif Oğuz ALTUNEL
- 12:30-13:30 **☉ Lunch Break (Karadeniz Technical University Restaurant)**
(Only registered participants can join and invitation card is required)

17:30-18:00 CLOSING CEREMONY (HASAN TURAN HALL)

- 19:00-21:30 **☉ DINNER (Yalıpark Hotel Restaurant)**
(Only registered participants can join and invitation card is required)



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DAY 4

SATURDAY, 29 SEPTEMBER 2018

EXCURSION

09:00 – 16:00 Trip to Uzungöl/Çaykara

☉ Lunch

Trip to Trabzon