



2018

INTERNATIONAL FOREST PRODUCTS CONGRESS

September 26-29, 2018 Trabzon/TURKEY



www.ktu.edu.tr/orenko2018 orenko2018@ktu.edu.tr



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
12:45-13:30	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
17:45-18:30	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	Intel	ETODOULO IMILL	TERMONTENEE
09:45-10:30	Keynote Speech			
10:30-10:45		Coffee/T	ea Break	
$\begin{array}{c} 10.50\ 10.13\\ 10.45\ 11.00\\ 11:00\ 11:15\\ 11:15\ 11:30\\ 11:30\ 11:45\\ 11:45\ 12:00\\ 12:00\ 12:15\\ 12:15\ 12:30\\ \end{array}$	Wood and Wood Based Composites	Wood Deterioration - Wood Preservation - Wood Modification	Furniture (Design - Manufacturing - Restoration)	Operational Research, Ergonomy, Artificial Intelligence, Occupational Safety
12:30-13:30	Lunch Break (Only	registered participan	ts can join and invitation	,
14:00-14:45	Keynote Speech			fir cara is required)
14:45-15:30	Keynote Speech			
15:30-15:45		Coffee/T	ea Break	
15:45-16:00		Wood		
16:00-16:15           16:15-16:30           16:30-16:45           16:45-17:00	Wood and Wood Based Composites	Deterioration - Wood Preservation - Wood Modification	Adhesives, Coatings and Finishing	Non-Destructive Evaluation of Wood Materials
17.00-17:15	Coffee/Tea Break			
17:15-17:30 17:30-17:45	Wood and Wood	Wood Deterioration - Wood	Forest Products	
17:45-18:00 18:00-18:15 18:15-18:30	Based Composites	Wood Preservation - Wood Modification	Economics and Marketing	
20:00-22:30	GALA DINNER (Only	registered participan	ts can join and invitatio	on card is required)



International Forest Products Congress September 26-29, 2018, Trabzon / TURKEY



## DAY 3 - FRIDAY, 28 SEPTEMBER 2018

	HASAN TURAN HALL	FAHRİ KURAN HALL	BEDRİ RAHMİ EYÜBOĞLU HALL	AHMET SELİM TEYMÜR HALL
09:00-09:15				
09:15-09:30		Wood		
09:30-09:45	Wood and Wood	Deterioration -	Forest Products	
09:45-10:00	Based	Wood	Economics and	
10:00-10:15	Composites	Preservation - Wood	Marketing	
10:15-10:30		Modification		
10:30-10:45		Mounication		
10:45-11:00		Coffee/T	'ea Break	
11:00-11:15		Wood	Operational	
11:15-11:30		Deterioration -	Research,	Environmental
11:30-11:45	Biomaterials -	Wood	Ergonomy,	and Ecological
11:45-12:00	Biomass –	Preservation -	Artificial	Issues in Forest
12:00-12:15	Bioenergy	Wood	Intelligence, Occupational	Industry
12:15-12:30		Modification	Safety	
12:30-13:30	Lunch Break (Only	registered participan	ts can join and invitation	on card is required)
14:00-14:15				
14:15-14:30				
14:30-14:45	Adhesives.			
14:45-15:00	Coatings and	Wood Chemistry	Non-Wood Forest	
15:00-15:15	Finishing	- Pulp and Paper	Products	
15:15-15:30	Finishing			
15:30-15:45				
15:45-16:00				
16.00-16:15		Coffee/T	'ea Break	
16:15-16:30			Operational	
16:30-16:45		Furniture	Research,	
16:45-17:00	Wood Chemistry	(Design -	Ergonomy,	
17:00-1715	- Pulp and Paper	Manufacturing -	Artificial	
17:15-17:30		Restoration)	Intelligence, Occupational Safety	
17:30-18:00	CLOSING CEREMON	IY		
19:00-21:30	DINNER (Only regis	tered participants ca	n join and invitation ca	rd is required)

## DAY 4 - SATURDAY, 29 SEPTEMBER 2018

09:00-16:00
-------------



## **ORENKO 2018** International Forest Products Congress September 26-29, 2018, Trabzon / TURKEY



PRE-CONFERENCE	TUESDAY, 25 SEPTEMBER 2018

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

DAY 1	WEDNESDAY, 26 SEPTEMBER 2018
08:00-09:00	A 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

<b>KEYNOTE SPEAKER</b>	SESSION	(HASAN TURAN HAI	T)

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 Image: 12:30-13:30 I

#### **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 (Only registered participants can join and invitation card is required)



International Forest Products Congress September 26-29, 2018, Trabzon / TURKEY



#### **POSTER SESSION – SEPTEMBER 26, 2018**

### POSTER / EXHIBITION HALL

THE IMPORTANCE OF THE MINORITY TREE SPECIES IN THE WOOD PROCESSING 17.45-18.30 Mateia KIŠEK 3D PUZZLE TOY: RECYCLING OF CORRUGATED BOARD WASTE AND A NEW SECONDARY USAGE AREA Beaüm 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 AKCAKAYA MODELLING OF WOOD UTILIZATION IN THE TRANSITION TO A GREEN ECONOMY <u>Martin MORAVČÍK</u>, Miroslav KOVALČÍK, Hubert PALUŠ and Ján PAROBEK IDENTIFICATION OF CUPRESSACEAS CHILEAN AND ARGENTINEAN ENDEMIC INCLUDED IN APPENDIX I OF CITES, THROUGH DART TOFMS Rene CARMONA, Cristobal BARROS and Edgard ESPINOSA SUSTAINABLE CORRUBOARD FURNITURE DESIGN Beaüm UYGUR CHEMICAL CONSTITUENTS FROM BARK OF PINUS DENSIFLORA <u>Young-Soo BAE</u>, Hee-Jeong MIN, Yeon-Ho HAM, Jin-Kyu KIM, Nadir AYRILMIS, Wasrin SYAFII, Chuan-Ling SI DIMENSIONAL STABILITY OF INVESTIGATION ON PARTICLEBOARD MANUFACTURED FROM TOBACCO STALK WASTES AND INDUSTRIAL WOOD PARTICLES Loya JAMALIRAD and Saeed NAROOEI COMPARATIVE GLUE IOINT 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 KESİK, Kubulay ÇAĞATAY, D. Kemal BAYRAKTAR and Fatih ŞAHİN INVESTIGATION ON USING ALKALI SULFIT-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) (Only registered participants can join and invitation card is required)



International Forest Products Congress September 26-29, 2018, Trabzon / TURKEY



# 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" <i>Mohini M. SAIN</i>
09:45-10:30	DISPERSION-TYPE WOOD PROTECTANTS AND THEIR EFFECTS Jinzhen 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 <u>Önder TOR</u> 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 MIHA/LOVA, Viktor SAVOV and Rosen GRIGOROV
11:15-11:30	DIMENSIONAL STABILITY OF WOOD BONDED WITH THE BIO-BASED PHENOL- FORMALDEHYDE (PF) RESIN <u>Günay ÖZBAY</u> , Nadir AYRILMIŞ, Ayhan ÖZÇİFÇİ 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 <u>Mehmet BAHAROČLU</u> and Gökay NEMLÍ
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, <u>Sema Aysal KESKİN</u> and Kübra Gündüz VAYDOĞAN
12:00-12:15	EFFECT OF CEMENT AND ACCELERATOR TYPES ON THE PHYSICO-MECHANICAL PROPERTIES OF CEMENT-BONDED PARTICLEBOARDS Ugur ARAS, Hulya KALAYCIOGLU, Hüsnü YEL and Ahmet ÇOK
12:15-12:30	EFFECT OF DRYING TYPES AND POLYSTYRENE DENSITY ON THERMAL CONDUCTIVITY OF POLYSTREN COMPOSITE PARTICLEBOARD Cenk DEMİRKIR, <u>Hasan ÖZTÜRK</u> and Gürsel ÇOLAKOĞLU
12:30-13:30	🝽 Lunch Break (Karadeniz Technical University Restaurant)

(Only registered participants can join and invitation card is required)



International Forest Products Congress September 26-29, 2018, Trabzon / TURKEY



#### **KEYNOTE SPEAKER SESSION (HASAN TURAN HALL) – SEPTEMBER 27, 2018**

14:00-14:45WOOD USE FOR HEALTHY BUILT ENVIRONMENTS<br/>Andreja KUTNAR14:45-15:30NON-DESTRUCTIVE EVALUATION OF WOOD AND WOOD-BASED MATERIALS:<br/>STATE-OF-THE-ART AND FUTURE PERSPECTIVES<br/>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 <i>Emilia Adela SALCA</i>
16:00-16:15	THE EFFECTS OF NANO-TIO2 AND NANO-BORON ON THE THERMAL PROPERTIES OF WOOD PLASTIC COMPOSITES <i>Eser SÖZEN, Deniz AYDEMIR and <u>Gökhan GÜNDÜZ</u></i>
16:15-16:30	SOME TECHNOLOGICAL PROPERTIES OF ORIENTAL BEECH (FAGUS ORIENTALIS LIPSKY.) WOOD GROWN IN AYANCIK- SINOP REGION IN TURKEY <u>Abdülkadir MALKOÇOĞLU</u> and Nurgul 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



International Forest Products Congress September 26-29, 2018, Trabzon / TURKEY



# 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) <u>Julia MIHAJLOVA</u> , Viktor SAVOV and Rosen GRIGOROV
17:30-17:45	RADIAL STICK SAWING OPTIMIZATION
	Hızır Volkan GÖRGÜN, <u>Öner ÜNSAL</u> and Kılıç Yağız EFE
17:45-18:00	SOME PROPERTIES OF FIBERBOARD MANUFACTURED WITH WASTES OF KRAFT PULP MILL Derva USTAÖMER, Evren Ersov KALYONCU and Hüsevin KIRCI
18:00-18:15	DETERMINATION OF THE OPTIMUM FEED RATE AND SPINDLE SPEED DEPENDING ON THE SURFACE ROUGHNESS OF SOME WOOD SPECIES PROCESSED WITH CNC MACHINE <u>Evren Osman ÇAKIROĞLU</u> , Aydin DEMIR and Ismail AYDIN
18:15-18:30	THE EFFECT OF SOME TECHNOLOGICAL PROPERTIES OF PLYWOOD PANELS ON SEISMIC RESISTANT PERFORMANCE OF WOODEN SHEAR WALL Aydin DEMIR, Cenk DEMIRKIR and Ismail AYDIN

### FAHRİ KURAN HALL

SESSION: Wood Deterioration - Wood Preservation - Wood Modification

#### **CHAIR: Prof. Dr. Sibel YILDIZ**

10:45-11:00	HISTORICAL VALUE AND CONSERVATION PROBLEMS OF TRADITIONAL WOODEN ARCHITECTURE IN TURKEY <u>Nesibe KÖSE</u> , Zeynep UZUN and Coşkun KÖSE
11:00-11:15	PHEREMONE TYPES USABLE AGAINST WOOD DESTROYING INSECT SPECIES Mesut YALCIN, Selim SEN and Cağlar AKÇAY
11:15-11:30	INVESTIGATION SOME PROPERTIES OF THE WOOD TREATED WITH NOVEL POLYSTYRENE-SOYBEAN OIL COPOLYMER CONTAINING SILVER NANOPARTICLES <u>Ahmet CAN</u> , Cengiz TEMIZ, Baki HAZER and Hüseyin SİVRİKAYA
11:30-11:45	COLOUR IN THERMALLY MODIFIED WOOD OF PINE, ASH AND SPRUCE Hamiyet Şahin KOL, <u>Sema Aysal KESKİN</u> and Kübra Gündüz VAYDOĞAN
11:45-12:00	SOME PHYSICAL AND MECHANICAL PROPERTIES OF THE HOT PRESSED EASTERN BEECH (FAGUS ORIENTALIS LIPSKY) WOOD <u>Kubulay ÇAĞATAY</u> , Hacı İsmail KESİK, Hasan VURDU, Mustafa ÖNCEL and Tolga SUBASI
12:00-12:15	MOLD RESISTANCE OF NANO AND MICRONOZED PARTICLES-TREATED WOOD AFTER ARTIFICIAL WEATHERING PROCESS Evren TERZİ, Coşkun KÖSE and S. Nami KARTAL
12:15-12:30	COMBUSTION PROPERTIES OF SOME WOODS TREATED WITH VEGETABLE TANNIN EXTRACTS Osman PERÇİN, Mustafa ALTUNOK, Şemsettin DORUK and Cevdet SAÇLI
12.20 12.20	() Lunch Droot (Varadonia Tashnigal University Dastaurant)

2:30-13:30 Description (Karadeniz Technical University Restaurant) (Only registered participants can join and invitation card is required)



International Forest Products Congress September 26-29, 2018, Trabzon / TURKEY



# 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) <i>liker USTA</i>
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 <i>Cağlar AKÇAY, Mesut YALÇIN, <u>Selim SEN</u> and Cihat TAŞÇIOĞLU</i>
16:30-16:45	GAMMA IRRADIATION OF WOOD INCORPORATED WITH ORTHOPHTALITIC UNSATURATED POLYESTER RESIN WITH STYRENE: PHYSICAL AND BIOLOGICAL PROPERTIES S. Nami KARTAL, Evren TERZI 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, <u>Kübra Gündüz VAYDOĞAN</u> 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 GÖKTAŞ, 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, <u>Hızır Volkan GÖRGÜN</u> 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 <u>Taner OKAN</u> and Coskun KÖSE
18:00-18:15	WEATHERING OF HEATED AND VARNISHED SCOTS PINE AND ORIENTAL BEECH WOODS Şaban KART, Ergün BAYSAL, <u>Çağlar ALTAY</u> , Erdoğan GAVCAR, Hilmi TOKER and Türkay TÜRKOĞLU
18:15-18:30	THE EFFECT OF MODIFICATION WITH EPOXY AND POLYESTER RESINS ON SOME MECHANICAL PROPERTIES OF PINE AND CHESTNUT WOODS <u>Hüseyin PELİT</u> , Esra KASAR and Abdullah SÖNMEZ
18:30-18:45	THE EFFECTS OF PRE-OZONE TREATMENT ON RETENTION LEVELS AND THE COMPRESSION STRENGTH OF SPRUCE WOOD TREATED WITH ACQ AND CCA Engin Derya GEZER and <u>Süleyman KUŞTAŞ</u>
20:00-22:30	<ul> <li>GALA DINNER (Novotel Trabzon Hotel)</li> <li>(Only registered participants can join and invitation card is required)</li> </ul>



International Forest Products Congress September 26-29, 2018, Trabzon / TURKEY



# BEDRİ RAHMİ EYÜBOĞLU HALL

**SESSION: Furniture (Design - Manufacturing - Restoration)** 

### CHAIR: Prof. Dr. Abdullah SÖNMEZ

10:45-11:00	MUSCULOSKELETAL RISKS IN FURNITURE INDUSTRY AND MODEL APPLICATION
	Fatih YAPICI, <u>Erkan LİKOS</u> 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 BAYATKASHKOLI, 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 <u>Karel KRONTORÁD</u>
11:45-12:00	CAPACITY CALCULATION APPROACH FOR FURNITURE COMPANIES AND
	APPLICATION OF A PROCESS EFFICIENCY ANALYSIS
	K. Hüseyin KOÇ, Ender HAZIR and <u>Sedanur ŞEKER</u>
12:00-12:15	DETERMINING SYMMETRIC-ASYMMETRIC FURNITURE PREFERENCES AND FORM
	AND COLOUR PREFERENCES FOR CHILDREN'S ROOM OF THE GIFTED CHILDREN
	<u>Oğuzhan UZUN</u> , 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 <u>Ali CAKMAK</u>
12:30-13:30	🝽 Lunch Break (Karadeniz Technical University Restaurant)
	(Only registered participants can join and invitation card is required)

# BEDRI RAHMI EYUBOGLU 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 <i>Erkan Sami KÖKTEN, Nadir AYRILMIS, <u>Günay ÖZBAY</u> and Ayhan ÖZÇİFÇİ</i>
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 PERCIN and Musa ATAR
16:30-16:45	INFLUENCE OF WOODEN OUTDOOR FURNITURE FINISHED SURFACES WATER ABSORPTION ON AND THE PROPERTIES OF COATING FILMS Daniela TESAŘOVÁ, Eve JEŘÁBKOVÁ, Petr ČECH and Karel KRONTORAD
16:45-17:00	INVESTIGATIONS OF THE AESTHETIC-DECORATIVE FEATURES OF COATINGS IN ANALOQUE PRINTING TECHNOLOGY <u>Tomasz KRYSTOFIAK</u> , Stanisław PROSZYK, Barbara LIS and Maciej TOKARCZYK

17.00-17:15 👘 Coffee/Tea Break



International Forest Products Congress September 26-29, 2018, Trabzon / TURKEY



## 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 E.Seda ERDİNLER, Emel ÖZTÜRK and <u>Sedanur ŞEKER</u>
17:30-17:45	THE ROLE OF GS CERTIFICATION MARK ON FURNITURE INDUSTRY <u>Erkan LİKOS</u> , Fatih YAPICI and Hasan BAS
17:45-18:00	BRAND MANAGEMENT STRATEGIES FOR FURNITURE ENTERPRISES: CASE STUDY OF ORDU AND GIRESUN Emel ÖZTÜRK, E. Seda ERDİNLER and <u>Devrim KARADEMİR</u>
18:00-18:15	DETERMINATION OF THE SIGNIFICANCE OF THE PAPER AND PAPER PRODUCTS SECTOR IN TURKISH ECONOMY WITH INPUT-OUTPUT ANALYSIS Mustafa Fehmi TÜRKER, Canan YILMAZ, <u>Elif BERKER</u> and Emine Nur YEŞİLYURT
18:15-18:30	AN ÓVERVIEW ON FOREST INDUSTRY SECTOR IN TURKEY: CONSTRAINTS, PROBLEMS AND SOLUTIONS <u>Ahmet TOLUNAY</u> and Türkay TÜRKOĞLU

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 TÜRKOĞLU

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



International Forest Products Congress September 26-29, 2018, Trabzon / TURKEY



# 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 <u>Murat AYDIN</u></i>
16:00-16:15	FINITE ELEMENT MODELLING IN WOOD AND WOOD BASED MATERIALS Ümmü KARAGÖZ İŞLEYEN
16:15-16:30	COMBINED NON-DESTRUCTIVE TEST METHODS FOR PREDICTING FLEXURAL PROPERTIES OF TURKISH BLACK PINE (Pinus nigra var. pallasiana Arnold.) STRUCTURAL LUMBERS <u>H1ztr Volkan GÖRGÜN</u> and Türker DÜNDAR
16:30-16:45	SHEAR MODULI DETERMINATION OF NATURALLY AGED BLACK PINE WOOD Murat AYDIN and Tuğba YILMAZ AYDIN
17.00-17:15	ng Coffee/'Tea Break

20:00-22:30 (Only registered participants can join and invitation card is required)



International Forest Products Congress September 26-29, 2018, Trabzon / TURKEY



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

10:45-11:00 🖞 Coffee/Tea Break



International Forest Products Congress September 26-29, 2018, Trabzon / TURKEY



# 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 <u>Fatih MENGELOĞLU</u> , Engin 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 Secil YILDIRIM, Nuray MISIR, Mehmet MISIR and Cemile CAKIR
11:30-11:45	THE EFFECTS OF NANOBORON NITRIDE ON THE PHYSICAL PROPERTIES OF PLA AND PHB NANOCOMPOSITES Gulvaz AL, Deniz AYDEMİR, Bülent KAYGIN, Gökhan GÜNDÜZ and Nadir AYRILMIS
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 <u>Fatih MENGELOĞLU</u> , Turgay DİNDAROĞLU, Kadir KARAKUŞ, İlkay ATAR, İbrahim Halil BASBOĞA, 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 BIOCOMPOSITES <u>likay ATAR</u> , ibrahim 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, <u>Nuray MISIR</u> and Seçil YILDIRIM
12:30-13:30	Interpretation (Karadeniz Technical University Restaurant) (Only registered participants can join and invitation card is required)



International Forest Products Congress September 26-29, 2018, Trabzon / TURKEY



# HASAN TURAN HALL

## SESSION: Adhesives, Coatings and Finishing

### CHAIR: Dr. Jakub SANDAK

14:00-14:15	THE EFFECT OF THE WATER-BASED COLOR BARRIER ON THE NATURAL WOOD VENEER Mete AKTER, Ayhan AYTIN and Carmelo Kağan KONMAZ
14:15-14:30	THE REACTION TO FIRE OF SOME CHEMICALS TREATED PINE WOOD PRODUCT SURFACE <u>Sevda BORAN, Ayfer Dönmez (AVDAR and Turgay ÖZDEMİR</u>
14:30-14:45	THE IMPACT OF WOOD VENEER SPECIES ON ITS ADHESION STRENGTH ON SURFACE OF MEDIUM DENSITY FIBREBOARD Tanja PALIJA, Vladislav ZDRAVKOVIĆ and Anđela OBRADOVIĆ
14:45-15:00	SURFACE FINISHING PROBLEMS OF HISTORICAL WOODEN HOUSES LOCATED IN WESTERN BLACK SEA REGION OF TURKEY Bulent KAYGIN, Azize Toper KAYGIN, <u>Saadettin Murat ONAT</u> , Yafes YILDIZ, N. Kaan ÖZKAZANC, Selma CELIKYAY, Ümit Cafer YILDIZ and Sibel YILDIZ
15:00-15:15	INFLUENCE OF BLEACHING CHEMICALS ON THE SOME VARNISHING PROPERTIES OF COATED FIR WOOD <i>Turgay ÖZDEMİR, <u>Özlem BOZDOĞAN BALCIK</u></i>
15:15-15:30	THE PERFORMANCE OF WATER-BORNE ACRYLIC COATING SYSTEMS ON FLAT- PRESSED WOOD PLASTIC COMPOSITES <u>Sefa DURMAZ</u> , Özlem ÖZGENÇ and Erkan AVCI
15:30-15:45	EFFECT OF DIFFERENT RATIO PERACETIC ACID BLEACHING ON THE SURFACE ROUGHNESS AND COLOUR CHANGING OF SPRUCE WOOD AND BEECH WOOD, <u>Özlem BOZDOĞAN BALÇIK</u> and Turgay ÖZDEMİR

<sup>16:00-16:15 👘</sup> Coffee/Tea Break



International Forest Products Congress September 26-29, 2018, Trabzon / TURKEY



# 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 Zehra Odabaş SERİN
16:30-16:45	PREPARATION AND CHARACTERIZATION OF ACTIVATED CARBON FROM DIFFERENT WOOD TYPES GROWING IN IRAQ Osamah I. AHMED, Iman H. ZAINULABDEEN and Mohammed ALBAYATI
16:45-17:00	EFFECTS OF PULP STORAGE CONDITIONS ON DEINKED PULP OPTICAL PROPERTIES Sami İMAMOĞLU, <u>Emrecan ARPACI</u> and Arif KARADEMİR
17.00-17:15	THE EFFECTS OF H2SO4 CATALYST AMOUNTS IN PRODUCTION PROCESS ON CELLULOSE ACETATE PROPERTIES <u>Emir ERÍŞÍR</u> and Esat GÜMÜŞKAYA



International Forest Products Congress September 26-29, 2018, Trabzon / TURKEY



# 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 <i>Hüseyin SİVRİKAYA</i>
09:15-09:30	THE EFFECT OF SEASONAL CONDITIONS ON THE FLUE GAS (02, CO, CO2, NOX) VALUES FORMED BY THE COMBUSTION OF WOOD MATERIAL <u>S. Sadiye YAŞAR</u> , Musa ATAR and Mehmet YAŞAR
09:30-09:45	DETERMINATION OF POMEGRANATE ( <i>Punica granatum</i> L.) DYE AND LIQUID GLASS PAINTING (SIO2) MIXTURE ON ANTIMICROBIAL ACTIVITY AND WOOD SURFACES PROTECT AGAINST THE DEVELOPMENT OF ROT FUNGI Osman GÖKTAS, 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 <i>Ayhan AYTIN</i>
10:00-10:15	CHANGES IN CONTACT ANGLE OF HEAT TREATED WOOD DUE TO NATURAL WEATHERING OF 2 YEARS <u>Sebnem Sevil ARPACI, Eylem DIZMAN TOMAK and Derya USTAOMER</u>
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 ( <i>Linum usitatissimum</i> ) AS GROWTH MEDIUM FOR CONIOPHORA PUTEANA FUNGI <u>Ümit Cafer YILDIZ</u> , Ayşenur GÜRGEN and Sibel YILDIZ

10:45-11:00 Deffee/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 ZDRAVKOVIC and Aleksandar LOVRIC
11:15-11:30	DETERMINATION OF BONDING STRENGTH AND COMBUSTION CHARACTERISTICS OF LAMINATED WOOD MATERIAL REINFORCED WITH CARBON FIBER (CFRP) <u>Cağlar ALTAY</u> , Ayhan ÖZÇİFÇİ, 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, <u>Derya USTAÖMER</u> and Nurgül AY
12:15-12:30	DÚRABILITY OF WATER-BORNE ACRYLIC RESIN WITH COMMERCIAL UV ABSORBER AND TREE BARK EXTRACT COATING SYSTEMS IN OUTDOOR CONDITIONS <u>Özlem ÖZGENÇ</u> , Sefa DURMAZ, Süleyman KUŞTAŞ and Ebru BİLİCİ
12:30-13:30	Image: Section 2014 Section



International Forest Products Congress September 26-29, 2018, Trabzon / TURKEY



# 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 <u>Ayben KILIC PEKGÖZLÜ</u> and Esra CEYLAN
14:15-14:30	ALKALINE SULFITE ANTHRAQUINONE (AS-AQ) AND MONOETHANOLAMINE (MEA) PROCESSES; A PROGRESS IN NON-WOODY PLANTS PULPING Sahab 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 <i>Ayhan GENÇER, <u>Ahmet CAN</u>, Ülkü Burcu GİTTİ and Aysun MUSTAK</i>
14:45-15:00	THE OXIDATIVE PRETREATMENTS OF CELLULOSE FOR CELLULOSIC SUPERABSORBENTS Asena Damla CELİK, Esat GUMUSKAYA, Hüseyin KIRCI and Emir ERİŞİR
15:00-15:15	TRANSITION METAL OXIDE CLUSTERS AS CATALYSTS FOR BLEACHING OF CELLULOSIC PULPS AND NATURAL FIBERS <i>Grigore CRĂCIUN, <u>Gheorghe DUTUC</u> and Alexandru BOTAR</i>
15:15-15:30	TREATMENT OF WASTE WATER FROM FLOTATION DEINKING PROCESS WITH ACTIVETED CHARCOAL Murat ERTAS, Emrecan ARPACI and Sami İMAMOĞLU
15:30-15:45	CHEMICAL COMPOSITION OF WOOD AND BARK OF TURKISH YEW (TAXUS BACCATA L.) Yasemin ZENGIN and Mustafa USTA

16:00-16:15 👘 Coffee/Tea Break



International Forest Products Congress September 26-29, 2018, Trabzon / TURKEY



# 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 Mustafa ALTUNOK and <u>Elif Rabia UYSAL</u>
16:30-16:45	DEVELOPMENT OF FOREIGN TRADE AND PRODUCTION IN FURNITURE HARDWARE SECTOR IN TURKEY <u>Tuncer DİLİK</u> , Uğur KILIÇ and Ahmet KURTOĞLU
16:45-17:00	THE STRENGTH PROPERTIES OF FURNITURE CORNER JOINTS ASSEMBLED WITH FASTENERS APPLICABLE WITHOUT PRE-DRILLING PROCESS <u>Serkan ÖZDEMIR</u> and Hasan Hüseyin CİRİTCİOĞLU
17.00-17:15	HOUSING SUGGESTION FOR LARGE FAMILIES Mehmet SARIKAHYA, <u>Oğuzhan UZUN</u> and İhsan KÜRELİ

# 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? <u>Ahmet TOLUNAY</u> and Türkay TÜRKOĞLU
09:15-09:30	A STUDY ON THE PLANNING AND TARGETING APPLICATIONS IN FOREST PRODUCTS INDUSTRY ENTERPRISES (CASE OF ISTANBUL PROVINCE) <u>liker AKYÜZ, Kadri Cemil AKYÜZ, Nadir ERSEN, Bahadır Çağrı BAYRAM and İbrahim</u> YILDIRIM
09:30-09:45	INVESTIGATION OF THE SIGNIFICANCE AND THE LOCATION OF THE FURNITURE SECTOR IN TURKISH ECONOMY Mustafa Fehmi TÜRKER, Elif BERKER, <u>Emine Nur YEŞİLYURT</u> and Canan YILMAZ
09:45-10:00	SUPPLY CHAIN OF RESIDUAL WOODY BIOMASS AFTER LOGGING OPERATIONS Mehmet EKER and <u>Hafiz Hulusi ACAR</u>
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 Mustafa Fehmi TÜRKER, Emine Nur YEŞİLYURT, Canan YILMAZ and Elif BERKER
10:15-10:30	EVALUATION OF MANAGERS IN FOREST PRODUCTS INDUSTRY ENTERPRISES ACCORDING TO THREE FEATURES AND MANAGERIAL SKILLS APPROACHES <u>liker AKYÜZ</u> , Nadir ERSEN, Kadri Cemil AKYÜZ, İbrahim YILDIRIM and Ali BÜYÜKÜSTÜN
10:30-10:45	EXAMINATION OF WORKING CAPITAL DETERMINANTS OF COMPANIES OPERATING IN FOREST PRODUCTS, FURNITURE, PAPER-PAPER PRODUCTS AND PRINTING AND PUBLISHING SECTORS <u>Kadri Cemil AKYÜZ</u> , İbrahim YILDIRIM, İlker AKYÜZ and Nadir ERSEN

10:45-11:00 Deffee/Tea Break



International Forest Products Congress September 26-29, 2018, Trabzon / TURKEY



# 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 <u>Hilal SİNGER</u>
11:15-11:30	ANALYSIS OF SOCIO-ECONOMIC SITUATION FOR WOOD PRODUCTION WORKERS IN SUPPLY CHAIN Selçuk GÜMÜŞ, <u>Taha Yasin HATAY</u> and Saliha ÜNVER OKAN
11:30-11:45	USE OF PERSONAL PROTECTIVE EQUIPMENT IN MICRO-SCALE WOOD WORKING ENTERPRISES <u>Yener TOP, Hakan ADANUR and Mehmet ÖZ</u>
11:45-12:00	EVALUATION OF THE RISKS IN WOOD HARVESTING ACTIVITIES BY THE PRELIMINARY HAZARD ANALYSIS (PHA) Saliha ÜNVER OKAN, Hafiz 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, <u>S. Sadiye YASAR</u> and Mehmet YASAR
12:15-12:30	AN APPLICATION ON THE ASSIGNMENT OF THE MOST PROPER WORKER WITH THE HUNGARIAN ALGORITHM IN THE FURNITURE MANUFACTURING PROCESSES <i>Kivanç YILMAZ, <u>Mehmet Ekmel SU</u> and Erol BURDURLU</i>
12:30-13:30	Isotropy of the second seco



International Forest Products Congress September 26-29, 2018, Trabzon / TURKEY



# 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, <u>Diren Uycan SARAÇ</u> 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 <u>Sibel YILDIZ</u> , Ayşenur GÜRGEN, Ceyhun 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.) <i>İlhan DENİZ, Eyyüp KARAOĞUL and Bilge YILMAZ</i>
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 <u>Diren Uycan SARAÇ</u> , Zafer Cemal ÖZKAN and Arzu ERGÜL BOZKURT

16:00-16:15 👘 Coffee/Tea Break



International Forest Products Congress September 26-29, 2018, Trabzon / TURKEY



# 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 <u>Hilal SINGER</u> and Sukru ÖZŞAHİN
16:30-16:45	APPLICATION OF ABC ANALYSIS IN A LARGE-SCALE FURNITURE FACTORY <u>Mehmet Ekmel SU</u> and Erol BURDURLU
16:45-17:00	COMBINED APPLICATION OF OCCUPATIONAL HEALTH AND SAFETY RISK ASSESSMENT METHODS AND RISK MANAGEMENT; A CASE STUDY Saadettin Murat ONAT, Fatih YAPICI and Gülsah GÜNEYSU
17.00-17:15	SOME ANTHROPOMETRIC MEASUREMENTS ABOUT PRESCHOOL STUDENTS (DİYARRBAKIR CITY EXAMPLE) Hasan Hüseyin CİRİTCİOĞLU and Gülşen GÖKDEMİR
17:15-17:30	DETERMINATION OF IMPORTANCE LEVEL OF WOOD HARVESTING ACTIVITIES AND OCCUPATIONAL SAFETY EQUIPMENTS BY SMART METHOD <i>Ibrahim ERGENC and Saliba IINVER OKAN</i>



International Forest Products Congress September 26-29, 2018, Trabzon / TURKEY



## 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 <i>Kardelen KOÇ</i>
11:15-11:30	WASTE WOOD-FROM ORDINARY WASTE TO VALUABLE BIORESOURCE <i>Özgür GÜNER</i>
11:30-11:45	REMEDIATION OF Cu-TREATED WOOD BY RAW BORON MINERALS IN COMPARISON WITH COMMERCIAL BORON COMPOUND, BORAX <u>Evren TERZI</u> , Serdar AKBURAK and S. Nami KARTAL
11:45-12:00	A REVIEW OF LOG DEGRADATION RESULTING FROM MANUAL FELLING AND GROUND-ORIENTED HARVESTING IN TURKEY <u>Arif Oğuz ALTUNEL</u> and Sadık ÇAĞLAR
12:00-12:15	THE EFFECTS OF THE PRIMER TRANSPORT TECHNIQUES ON RAW WOOD MATERIALS IN TURKEY <u>Sadik ÇAĞLAR</u> and Arif Oğuz ALTUNEL

12:30-13:30 **(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)



International Forest Products Congress September 26-29, 2018, Trabzon / TURKEY



# DAY 4

## SATURDAY, 29 SEPTEMBER 2018

## EXCURSION

09:00 – 16:00 Trip to Uzungöl/Çaykara ♥ Lunch Trip to Trabzon