



6th INTERNATIONAL POLYMERIC COMPOSITES SYMPOSIUM AND WORKSHOPS

VI. ULUSLARARASI POLİMERİK KOMPOZİTLER SEMPOZYUMU VE ÇALIŞTAYLARI

Tepekule Congress and Exhibition Centre



TMMOB
KİMYA MÜHENDİSLERİ ODASI

2 - 4 October 2025
2 - 4 Ekim 2025
İzmir-Türkiye



KOMPOZİT
SANAYİCİLERİ DERNEĞİ



6th INTERNATIONAL POLYMERIC COMPOSITES SYMPOSIUM AND WORKSHOPS

VI. ULUSLARARASI POLİMERİK KOMPOZİTLER SEMPOZYUMU VE ÇALIŞTAYLARI

2 October 2025 Thursday / 2 Ekim 2025 Perşembe



ANADOLU HALL / ANADOLU SALONU

1A SESSION
1A OTURUM

SAAT/TIME

| | |
|-------------|--|
| 08:30-09:30 | REGISTRATION / KAYIT |
| 09:30-10:15 | INAUGURAL/ AÇILIŞ KONUŞMALARI |
| 10:15-10:50 | PLAQUE PRESENTATION TO SPONSORS / KATKI VEREN KURULUŞLARA PLAKET SUNUMU |
| 10:50-11:35 | Plenary Lecture - Michael Wisnom - University of Bristol - Simulating Composites Manufacturing Processes |
| 11:35-11:50 | OPENING OF THE EXHIBITION AREA / SERGI ALANI AÇILIŞI |
| 11:50-12:00 | COFFEE BREAK/ÇAY-KAHVE ARASI |

ANADOLU HALL / ANADOLU SALONU

Session Chair / Oturum Başkanı: Mustafa DEMİRCİOĞLU

1A SESSION
1A OTURUM

Emirhan Çetin
Oyak Renault Otomobil
Fabrikaları A.Ş

12:00-12:20

Investigation of Foaming Processes in Rigid Polymer Composites for Lightweighting and Carbon Footprint Reduction in Automotive Applications

Burcu Saner Okan
Sabancı University

12:20-12:40

Driving Sustainability Through Advanced Waste Upcycling:
Lightweight Thermoplastic Manufacturing Reinforced with Green Graphene

12:40-13:30

LUNCH / YEMEK ARASI

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ANADOLU HALL / ANADOLU SALONU

Session Chair / Oturum Başkanı: M. Cengiz ALTAN

2A SESSION
2A OTURUM

INVITED TALK

| | | |
|--|--------------------|--|
| Mete Bakır Turkish Aerospace Industries | 13:30-14:00 | High-Performance Polymer Composites for the Next-Generation of Sustainable Aerospace Applications |
| Seçkin Martin Izmir Institute of Technology | 14:00-14:20 | Designing Composite-Based Cylindrical Structures and Manufacturing Composite Prototypes by Filament Winding Method |
| Merve Erdeğer Kordsa | 14:20-14:40 | Vitrimer Based Composites: Prepreg Application for Aerospace |
| Mustafa Can Topbaşoğlu Sazcılar Otomotiv | 13:40-15:00 | Investigation of the Flammability Properties of Boron Additived Fiber Reinforced Composites |
| Momen N M Elbhanasawi Bursa Uludağ University | 15:00-15:20 | Experimental Investigation of Thermoplastic Composite Based Sandwich Panels Under Static and Impact Loading |

AKDENİZ HALL / AKDENİZ SALONU

Session Chair / Oturum Başkanı: Burcu Saner OKAN

2B SESSION
2B OTURUM

| | | |
|---|--------------------|--|
| Alperen Solmaz Manisa Celal Bayar University | 14:00-14:20 | Tensile Characteristics Determination of GNP/PLA Composites Fabricated via Fused Deposition Modelling (FDM) Method |
| Gamze Sultan Baş Berkem Yalova University | 14:20-14:40 | Synthesis and Characterization of Recyclable Bio-Based Polymers Using Chemically Modified Sodium Lignosulfonate |
| Berna Şirvanlioğlu Izmir Institute of Technology | 14:40-15:00 | Preparation and Characterization of Poly-L-Lactide-Natural Silica Composites |
| Buğra Sökmen Pamukkale University | 15:00-15:20 | Sustainable and Functional Encapsulation: Fabrication and Characterization of Thyme Oil Microcapsules Using Waste Textile-Derived Nanocrystalline Cellulose Reinforced Alginate-Gelatin Matrix |

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15:20-15:35

COFFEE BREAK / ÇAY-KAHVE ARASI

ANADOLU HALL / ANADOLU SALONU

Session Chair / Oturum Başkanı: Hülya CEBECİ



3A SESSION
3A OTURUM

INVITED TALK

Salim Belouettar
Luxembourg Institute of Science
and Technology

15:35-16:05

Digital Product Passports for Circular Economy in Composites:
Challenges and Future Perspectives

Muhammed Erdal Ulaşlı
Izmir Institute of Technology

16:05-16:25

Manufacturing and Mechanical Characterization of Graphene-Reinforced Type IV COPVs for High-Pressure Hydrogen Storage

Fatih Ertuğrul Oz
King Abdullah University
Science And Technology

16:25-16:45

Layer Thickness Effect on Hydrogen Permeation Pathways of Thin-Ply Thermoplastic Composites

Cuma Ali Uçar
Cef Advanced Composites &
Materials

16:45-17:05

Epoxy Prepregs With Adjustable Processability And Curing Characteristics With Ambient-Temperature-Stability: Linking Prepreg Architecture To Composite Performance

AKDENİZ HALL / AKDENİZ SALONU

Session Chair / Oturum Başkanı: Funda TIHMINLIOĞLU



3B SESSION
3B OTURUM

Kardelen Yıldız
Izmir Institute of Technology

16:05-16:25

Advancing Thermal Management with Hexagonal Boron Nitride Doped High-Performance Polymer Composites for Efficient Heat Dissipation in Electronics

M. Reza Nofar
Istanbul Technical University

16:25-16:45

Cellulose Nanocrystals and Their Nanocomposites:
Progresses and Future Perspectives

Mustafa Alperen Şakar
Yıldız Technical University

16:45-17:05

Investigation of Tribological Properties of Epoxy Based Composites Reinforced With SiO₂, GO and h-BN Nanoparticles

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2 October 2025 Thursday / 2 Ekim 2025 Perşembe



17:05-17:20

COFFEE BREAK / ÇAY-KAHVE ARASI

ANADOLU HALL / ANADOLU SALONU

Session Chair / Oturum Başkanı: Aref CEVAHİR

4A SESSION
4A OTURUM

Mete Kayihan
Istanbul Technical University

17:20-17:40

Effect of Microwave Curing on Glass Fiber Reinforced Eilium Thermoplastic Composite Production

Yusuf Şahin
Ostim Technical University

17:40-18:00

Manufacturing of Carbon Fiber Reinforced Epoxy Composites and Its Investigation of Mechanical/Tensile Strength/Modulus of Composites Experimentally

Hürem Canitez
Sazcilar Otomotiv

18:00-18:20

Lap-Shear Strengths of Glass, Basalt and Hybrid Composites

Simge Karatepe
Polütek Polyester Poliüretan Ltd. Şti

18:20-18:40

The Effect of Magnesium Hydroxide and Sodium Hydroxide Applications on the Mechanical Properties of Natural Fiber-Reinforced Composites

AKDENİZ HALL / AKDENİZ SALONU

Session Chair / Oturum Başkanı: Mustafa ASLAN

4B SESSION
4B OTURUM

Hüsnü Onur Ertürk
Izmir Katip Çelebi University

17:20-17:40

Use of Waste-Derived ZnFe2O4 as A Functional Additive in Recycled Polyethylene Composites

Simay Yanik
Istanbul Technical University

17:40-18:00

Development of Conductive Polymer Blend Nanocomposites with Optimized CNT Content

Melisa Atay
Dokuz Eylul University

18:00-18:20

Energy Harvesting Applications for Nanomaterial Based Triboelectric Nanogenerators

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3 October 2025 Friday / 3 Ekim 2025 Cuma



ANADOLU HALL / ANADOLU SALONU

Session Chair / Oturum Başkanı: Elif ALYAMAÇ SEYDİBEYOĞLU

INVITED TALK

5A SESSION
5A OTURUM

Jozsef Gabor Kovacs
Budapest University of
Technology and Economics

09:30-10:00

Advanced Lightweight Injection-Molded Polymer Composites:
Recycling, Hybrid Manufacturing, and Integration of Industry 4.0

Clement Mugemana
Luxemburg Institute of
Science and Technology

10:00-10:20

Polymer Composites Materials: Towards Functional Interfaces

Alinda Öykü Akar
Gebze Technical University

10:20-10:40

Contribution of Amine and Isocyanate-Rich Interlayer to
Fiber-Matrix Adhesion for Carbon Fiber-Reinforced
Elastomeric Polyurethane-Based Composites

Mehmet Çağatay Akbölük
Gaziantep University

10:40-11:00

The Effect of Glass Fiber Powder Reinforcement on the Interfacial
Bond Strength Properties of Polypropylenes Produced by Fused
Filament Deposition

AKDENİZ HALL / AKDENİZ SALONU

Session Chair / Oturum Başkanı: Nuri ERSOY

5B SESSION
5B OTURUM

Zehra Ekdi
İstanbul University Cerrahpaşa

10:00-10:20

Preliminary Performance Evaluation of Hydrogels Modified with
Natural and Nano-Scale Additives for Biomedical Applications

Onur Aras
İstanbul Medeniyet University

10:20-10:40

Development of Environmentally Friendly Hybrid Aerogels Using
Carboxymethyl Cellulose and Clay Minerals

Eren Karakuş, Şükrü Al
Ege University

10:40-11:00

PVC-Based Composite Materials Reinforced with Natural
Hemp Fibers

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11:00-11:10

COFFEE BREAK / ÇAY-KAHVE ARASI

ANADOLU HALL / ANADOLU SALONU

Session Chair / Oturum Başkanı: Mehmet SARIKANAT



6A SESSION

6A OTURUM

Sven Fleischmann
BASF SE

11:10-11:30

Controlling Metal Powder / Thermoplastic Composite Feedstock Production to Optimize Metal Part Manufacturing

Gülnur Başer
Metyx Composites-Telateks A.Ş

11:30-11:50

Use of Fiber-Reinforced Polymeric Composites in Solar Energy Systems and Integration of Photovoltaic Cells into Mobile Platforms

Ferhat Yıldırım
Çanakkale Onsekiz Mart University

11:50-12:10

Investigation of Post-Impact Electromagnetic Shielding Effectiveness (EMSE) Performance of Hybrid 3D Composites

Serdar Demir
Boğaziçi University

12:10-12:30

Crashworthiness Optimization of Crush Plugs Applied on CFRP Composite Tubes Subjected to Axial Crushing

AKDENİZ HALL / AKDENİZ SALONU

Session Chair / Oturum Başkanı: Veli DENİZ



6B SESSION

6B OTURUM

Ahmet Süha Kılıçoğlu
OlgunÇelik OlgunTech -
Izmir Institute of Technology

11:10-11:30

An Experimental-Analytical Approach for the Effect of Intra-Ply Discontinuities on the Mechanical Performance of Glass Fiber Reinforced Polymer (GFRP) Leaf Springs

Dildare Metin
Izmir Institute of Technology

11:30-11:50

The Preparation and Characterization of Wood -Plastic Composites from Recycled Plastics, Wood and Luffa Fiber

Onur Nuri Arslan
University of Warwick

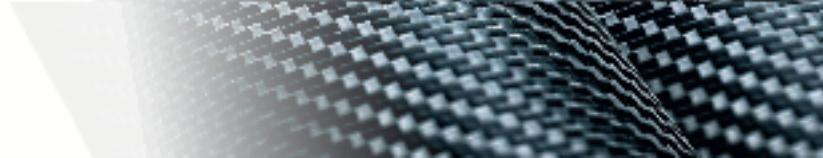
11:50-12:10

Epoxy-Cured Sustainable Rubber Composites Reinforced with Lignin

Ferhat Yetiş
Marmara Forestry Research
Institute

12:10-12:30

Reinforcing Effect of Esterified Cellulose Nanofibrils for Polylactic Acid



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12:20-13:30

LUNCH / YEMEK ARASI

ANADOLU HALL / ANADOLU SALONU

Session Chair / Oturum Başkanı: Jozsef Gabor KOVACS



PLENARY LECTURE

Marino Quaresimin
University of Padova

13:30-14:15

An Innovative Strategy to Design and Monitor Safe, Reliable and Lightweight Composite Structures Under in-Service Loading

Peter Klein
Fraunhofer Institute for Industrial Mathematics

14:15-14:35

Mastering the DPP Regulation Jungle on a Digital Platform: An Opportunity for Accelerated Composite Innovations

Natalia Konchakova
Helmholtz-Zentrum Hereon

14:35-14:55

Know Your Products to Forge a Secure and Prosperous Future: DigiPass CSA Approach

Heinz A. Preisig
Norwegian University of Science and Technology

14:55-15:15

Interoperability for Digital Product Passports and Circularity

Franz Pirker
AC2T Research GmbH

15:15-15:35

Competitive Advantage through Comprehensive DPPs: From an Administrative Burden to Strategic Edge

AKDENİZ HALL / AKDENİZ SALONU

Session Chair / Oturum Başkanı: Ümit Halis ERDOĞAN



Mustafa Aslan
Karadeniz Technical University

14:15-14:35

Production of Hybrid Thermoplastic Composites Reinforced with Hemp and Basalt/Carbon Fabrics for Automotive Interior Trim Panels and Determination of Energy Absorbtion Behavior

Göksenin Kurt Cömlekçi
Şişecam Bilim, Teknoloji ve Tasarım Merkezi

14:35-14:55

Effect of Different Sizing Types on the Interfacial Strength of Glass Fiber in PPS Composites

Salih Dağdeviren
Ankara Yıldırım Beyazıt University

14:55-15:15

Statistical Investigation of the Effects of Dust Contamination and Surface Preparation on the Bond Strength of Composites

Çağlar Subaşı
Eskim Kimya

15:15-15:35

Development of Natural Fiber-Reinforced BMC Composite Materials

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15:35-15:50

COFFEE BREAK / ÇAY-KAHVE ARASI

ANADOLU HALL / ANADOLU SALONU

Session Chair / Oturum Başkanı: Özlem URAL



Samet Özyigit
Luxembourg Institute of Science
And Technology

15:50-16:10

Recycling of Carbon Fibers in Structural Composites Having
Debonding on Demand Characteristics

Ebeda Nur Beşdok
Gebze Technical University

16:10-16:30

Investigation the Effects of Manual and Waterjet Cutting Methods
on the Mechanical Properties of Carbon Fiber Composite Materials

Zeliha Bengisu Yakışık
Turkish Energy, Nuclear and Mineral
Research Agency

16:30-16:50

Advanced HDPE-Based Composites for Neutron Shielding: A
Theoretical and Experimental Study

Yusuf Şahin
OSTİM Technical University

16:50-17:10

Investigation of Tensile Property of Carbon Reinforced Composite
Produced with Vacuum Bagging

Sevim Özgül
Bahçeşehir University

17:10-17:30

Fungal Biocomposite Production and Characterization

17:30-18:30

POSTER OTURUMU / POSTER SESSION

AKDENİZ HALL / AKDENİZ SALONU

Session Chair / Oturum Başkanı: Göksenin ÇÖMLEKÇİ



Nilsu Ataman
Izmir Katip Çelebi University

15:50-16:10

Life Cycle-Based Carbon Footprint Analysis of Fiber and
Matrix Selection in Polymer Matrix Composite Materials

Özge Akay Sefer
Marmara University

16:10-16:30

Sustainable Packaging Materials: Fabrication and Analysis of Luffa
Cylindrica-Polyvinylpyrrolidone (PVP) Bio-Composites

Elif Avcu Altıparmak
İstanbul University-
Cerrahpaşa

16:30-16:50

Effect of Nitro-Substituted Thiosemicarbazone-Doped
Polythiophene-Based Composites on Supercapacitor Performance
as Energy Storage Materials

Mete Kayihan
İstanbul Technical University

16:50-17:10

Fatigue Damage Analysis of Glass Fiber Reinforced Eium
Thermoplastic Composite Materials

Burçak Ay
Yıldız Technical University

17:10-17:30

Optimization of Process Parameters in Chitosan Nanoparticles
Produced for Hydrophobic Coatings Reducing Bacterial Adhesion

17:30-18:30

POSTER OTURUMU / POSTER SESSION

20:00-23:00

GALA YEMEĞİ / GALA DINNER

6th INTERNATIONAL POLYMERIC COMPOSITES SYMPOSIUM AND WORKSHOPS

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4 October 2025 Saturday / 4 Ekim 2025 Cumartesi



ANADOLU HALL / ANADOLU SALONU

Session Chair / Oturum Başkanı: Engin AKTAŞ

9A SESSION
9A OTURUM

Alperen Doğru
Ege University

09:30-09:50

Effect of Environmental Aging on Mechanical and Thermal Properties of Carbon Fiber and Glass Fiber Reinforced HDPE Matrix Composite

Ayberk Sözen
Dokuz Eylül University

09:50-10:10

Thermoplastic Materials for Marine Applications : PA Composites

Kavaklı Shahidi
Boğaziçi University

10:10-10:30

Seismic Design and Damage Assessment of Composite Pipe Joints

Ferit Çakır
Gebze Technical University

10:30-10:50

The Use of Composite Materials as Reinforcement Elements in Reinforced Concrete and Masonry Structures: An Experimental and Practical Evaluation

AKDENİZ HALL / AKDENİZ SALONU

Session Chair / Oturum Başkanı: Cem GÖK

9B SESSION
9B OTURUM

Nur Sultan Yoldas
Gazi University

09:30-09:50

Preparation and Characterization of Boron Carbide Filled Electrorheological Thermoplastic Polyurethane

Mahmut Uğur
Fiberr Fiber Reinforced Resins As

09:50-10:10

Development of Fragment-Resistant Wall Against Explosion Effects Using Composite Technology by Recycling Plastic Waste

Ayça Aydin - Ayşe Kurt
Polyteks Textile Company -
BUTEKOM Bursa Technology
Coordination and R&D Center

10:10-10:30

Development of Glass Fibre Reinforced Bio-PET Matrix Composites and Evaluation of Their Mechanical Performance

Selçuk Poyraz
Adiyaman University

10:30-10:50

Preparation and Characterization of Functional Textiles for Fiber Reinforced Polymeric Composites via Microwave Energy-Based Approach

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10:50-11:05

COFFEE BREAK / ÇAY-KAHVE ARASI

ANADOLU HALL / ANADOLU SALONU

Session Chair / Oturum Başkanı: Yahya KARA

10A SESSION
10A OTURUM

Onur Özcan
Izmir Institute of Technology

11:05-11:25

Design, Simulation, and Optimization of High-Pressure Type-IV COPVs Reinforced with Graphene Nanoplatelets Using Finite Element Analysis

Hamza Arda Deveci
Erzincan Binali Yıldırım University

11:25-11:45

The Effect of Stacking Sequence Optimization on the Open-Hole Tensile Strength of Carbon/Epoxy Composite Laminates

Mehmet Korkmaz
Dokuz Eylül University

11:45-12:05

Modeling the Extension Behaviour of Intra-Ply Hybrid Flax/ E-Glass Woven Composites with the Finite Element Method

Mehmet Kir
Süleyman Demirel University

12:05-12:25

Numerical Evaluation of Structural, Coating, and Corrosion Performance of Porous 316L Implants Fabricated via Polymer-Assisted Composite Approach

AKDENİZ HALL / AKDENİZ SALONU

Session Chair / Oturum Başkanı: Volkan ACAR

10B SESSION
10B OTURUM

Necip Elbir
Kocaeli University

11:05-11:25

Evaluation of Lichen-Based Renewable Filler in Polylactic Acid (PLA)

Narmin Samadova
Izmir Institute of Technology

11:25-11:45

Fabrication of Colorimetric Mechanosensors for Glass Fiber Thermoplastic Composites

Hasan Türkmen
Pamukkale University

11:45-12:05

Effect of Microcrystalline Cellulose and Diatomite Reinforcement on the Mechanical and Morphological Properties of Epoxy Based Composites

Dursun Aydin
Kansai Altan

12:05-12:25

Comparative Study on The Effect of Various Calcium Carbonates on the Properties of Solvent-Based Coatings

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LUNCH / YEMEK ARASI

ANADOLU HALL / ANADOLU SALONU

Session Chair / Oturum Başkanı: Sadık ASLİTÜRK



Seçil Babaoğlu
DowAkxa Advanced Composite Materials Industry Ltd. Co.

13:30-13:50

Advanced Carbon Fiber Composites Solutions to Aviation and Energy Sectors

Neslişah İmamoğlu Karabaş
Izmir University of Economics

13:50-14:10

Estimation of Cure Kinetics Parameters in Carbon/Epoxy Prepregs Incorporating Functionalized Single-Wall Carbon Nanotubes Using DSC Data

Sümeysra Göçemen
Kosse Composite Marketing

14:10-14:30

The Effect of Different Fillers on the Performance of Decorative Composite Panels

Emre Alamur
Izmir Institute of Technology

14:30-14:50

Development of Thermal Insulation Materials

Merve Kalaycı
Beşer Balata

14:50-15:10

Investigation of the Impact of Ceramic Fiber Addition on the Friction Performance of Brake Pad Compositions

AKDENİZ HALL / AKDENİZ SALONU

Session Chair / Oturum Başkanı: Gülnur BAŞER



Mısra Çavdar
Ege University

13:30-13:50

Nanoparticle-Infused Electrospun Fibrous Scaffold Production for Spinal Cord Injury

Umut Dogu Seckin
Ege University

13:50-14:10

Development and Characterization of Photo Cross-Linkable Resin Based Injectable Endodontic Composite Dental Filling Material Containing ZnO and BaSO₄

Hayat Mohamed
İstanbul Arel University

14:10-14:30

Production and Characterization of Allium Sativum (Garlic)-Loded Nanoparticles and Nanofibers, and Investigation of Their Antibacterial Effects on Hospital Acquired Bacteria

Zeynep Özge Öztaban-
Sevil Şenocak
İstanbul Arel University

14:30-14:50

Loading and Characterization of Colchicum Micranthum Extract on 3D Printed Scaffolds and Investigation of Anticancer Effects on Breast Cancer Cells

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15:10-15:25

COFFEE BREAK, POSTERS SESSION ÇAY-KAHVE ARASI, POSTER GEZİMİ

ANADOLU HALL / ANADOLU SALONU Session Chair / Oturum Başkanı: Alperen DOĞRU

12A SESSION
12A OTURUM

Melisa Yeke
Metyx Composites Telateks A.Ş.

15:25-15:45

Recycling of PET Foam and Glass Fiber Waste for High - Performance Core Applications

Rüçhan Yıldız
Pamukkale University

15:45-16:05

Production and Characterization of Epoxy Matrix Composites Reinforced with Waste Glass Particles of Different Particle Sizes

Selin Dursun
BUTEKOM Bursa Technology Coordination and R&D Center

16:05-16:25

Production and Characterization of Thermoplastic Composites by Hot Press Method Using Recycled Glass Fiber / Polypropylene Tapes

Ferhat Gül
Gazi University

16:25-16:45

Effect of Heating Rate During Curing on the Properties of Composite Materials

Dilara Yüksel
Borsan R&D Center

16:45-17:05

Sustainable Innovation in Solar Energy Infrastructure: Development of Boron-Infused Aluminum Solar Cables

17:05-18:05

SECTORAL EVALUATION PANEL SEKTÖREL DEĞERLENDİRME PANELİ

18:05-18:30

POSTER EVALUATION AND CLOSING POSTER DEĞERLENDİRME VE KAPANIŞ

AKDENİZ HALL / AKDENİZ SALONU

Session Chair / Oturum Başkanı: Figen AYNALI

12B SESSION
12B OTURUM

Mustafa Eren Taşkıngül
Bursa Technical University

15:25-15:45

Development of Silver-Doped PLA Composites via Stereolithography (SLA) Method

Mervenur Gülmarmal
Bursa Technical University

15:45-16:05

Sustainable Functionalized PYA Hydrogel Composites via UV Curing

Göksel Kepenek
Pamukkale University

16:05-16:25

Application and Characterization of Chitosan-Gelatin Based Thyme Oil Microspheres with Antibacterial Effect on Titanium Plate

Erol Türker
Turkish Chemistry Technology Center

16:25-16:45

A Strategic Step for International Competitiveness in the Plastics, Rubber and Composites Industries



POSTER PRESENTATIONS

Mehmet Erdi Onan
Ece Boya Kimya San. Ve Tic. A.Ş

Bio-Based Resins

Utku Uslu
Karadeniz Technical University

Comparative Investigation of The Mechanical Properties of 0/90 Orientation Glass Fiber Reinforced Composite Surface Plates with Different Numbers of Layers Produced by Digital Light Processing (DLP) Method

Merve Temel
Efachem Kimya Ürünleri San. Tic. A.Ş

Sustainable High-Performance Composites Using Recycled Thermoplastics Reinforced with Fibers and Minerals

Gözde Koçak Mutlu
BUTEKOM Bursa Technology Coordination and R&D Center

Comparative Evaluation of The Antibacterial Properties of ZnO-Reinforced Virgin and Recycled LDPE Films

Abdullah Hilmi Coşar
Gebze Technical University

Production and Characterization of Fully Biodegradable Biocomposite Plant Grow Plug Alternatives for Soilless Agriculture

Tila Çeçen
DYÖ Paint Factory

Synthesis of Vinyl Ester Resin for the Composite Sector

Yağmur Damla Demir
Izmir Institute of Technology

Development of Fluorinated Gelma Hydrogel for Cancer Treatment

Yasemin Büşra Atmaca
Izmir Institute of Technology

Development of Multifunctional Gelma-Based Biocomposite Hydrogels Functionalized With EDTA Containing CitPMOF-E Nanoparticles

Umut Doğu Seckin
Ege University

Production of Biocomposite Hydroxyapatite/Alginate Tissue Scaffold and Investigation of Its Osteogenic Potential

Madi Syrymov
İstanbul Arel University

pH-Responsive Bioactive Nanomembrane Wound Dressing: A Chitosan-Aloe Vera-HA Based Colorimetric Indicator for Infection Detection

Ceren Cikay
Ege University

Development and in vitro Characterization of a Plant-Based Nanomaterial-Containing Composite Polymer for Periodontal Tissue Engineering

Tuğba Demir Çalışkan
Ankara University

Superhydrophobic and Oleophobic PGMA/COlemanite Composte Films Functionlized with Perfluoro Polyether Acid

Gürhan Denizli
Efachem Kimya Ürünleri San. Tic. A.Ş.

A Comparative Study Between Calcium Carbonate and TALC Fillers on the Properties of EPDM Composites

Erdem Tunca
Mugla Sıtkı Koçman University

Investigation of The Low-Velocity Impact Performance of Electrospun Polyvinyl Alcohol (PVA) Nanofiber Interleaved Carbon Fiber/Epoxy Composites for Aerospace Applications



POSTER PRESENTATIONS

Ramazan Ercan
Ipekiş Mensucat Türk A.Ş.

Production and Optimization of Sustainable Composite Materials from Textile Wastes

Merve Karabiyik
Izmir Institute of Technology

Enhancing Thermal Resistance of QD Based Sensors Via CVD Polymer Encapsulation

Emre Döşeyici
Izmir Katip Çelebi University

Characterization of Mechanical Properties of Glass Fiber/Talc Reinforced Hybrid Polypropylene Composites

Duru Ettergen
Ege University

Development of Modified Natural Zeolite Added PVC Surface Coating

İklimе Kayhan
Izmir Institute of Technology

High-Performance Anti-Corrosive Polymer Coatings on Zinc Surfaces via Chemical Vapor Deposition

Bilgesu Eryılmaz
Manisa Celal Bayar University

Development and Characterization of an Abelmoschus Esculentus Based Hydrogel for Cartilage Tissue Engineering Applications

Mete Kayihan
Istanbul Technical University

Effect of Recycling Glass Fiber Reinforced Elium Thermoplastic Composite Materials on Mechanical Properties

Senem Tetik
Izmir Institute of Technology

The Fabrication of Pressure Sensitive Adhesives via Emulsion Polymerization

Ala Mohammed Ahmed Ali Saad
Istanbul Arel University

Nanocapsulation of Omega-3 Extract Obtained from Flaxseed and its Transdermal Delivery via Microneedles

İlknaz Yeşilyaprak
Ege University

Microalgae Production for Sustainable, Natural Biobased Composites with Pharmaceutical Potential

Ferhat Yıldırım
Çanakkale Onsekiz Mart University

Investigation of the Usability of Phase Change Material (PCM) Filled 3D Composites for Passive Thermal Management

Amir Navidfar
Bahçeşehir University

Mechanical Properties of Carbon Nanofiller Reinforced Glass Fiber Composites

Aybuke Polat
Ege University

Effects of Cobalt-Free Accelerators on the Curing Process and Mechanical Properties of Glass Fiber Reinforced Polyester Composites

Şevval AYHAN
Izmir Katip Çelebi University

Additive Manufacturing with Sustainable Materials: Effect of Tea Waste Additive on Epoxy Composites