



6th INTERNATIONAL POLYMERIC COMPOSITES SYMPOSIUM AND WORKSHOPS

VI. ULUSLARARASI POLİMERİK KOMPOZİTLER SEMPOZYUMU VE ÇALIŞTAYLARI

Tepekule Congress and Exhibition Centre

2 October 2025 Thursday
2 Ekim 2025 Perşembe



ENSİA ENSAŞ SANAYİSİ & İŞ BİLGİLERİ DERGİSİ



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
10:15-10:30	PLAQUE PRESENTATION TO SPONSORS / KATKI VEREN KURULUŞLARA PLAKET SUNUMU
10:30-11:15	Plenary Lecture - Michael Wisnom - University of Bristol - Simulating Composites Manufacturing Processes
11:15-11:30	COFFEE BREAK / ÇAY-KAHVE ARASI

ANADOLU HALL / ANADOLU SALONU

1A SESSION
1A OTURUM

Mete Kayıhan
Istanbul Technical University

11:30-11:50

Fatigue Damage Analysis of Glass Fiber Reinforced Elium Thermoplastic Composite Materials

Burcu Saner Okan
Sabancı University

11:50-12:10

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

Alperen Doğru
Ege University

12:10-12:30

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

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12:20-13:30

LUNCH / YEMEK ARASI

ANADOLU HALL / ANADOLU SALONU

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

Vitimer Based Composites: Prepreg Application for Aerospace

Mustafa Can Topbaşoğlu
Sazcılar Otomotiv

14:40 - 15:00

Investigation of the Flammability Properties of Boron Additived Fiber Reinforced Composites

Murat Yazıcı
Bursa Uludağ University

15:00-15:20

Experimental Investigation of Thermoplastic Composite Based Sandwich Panels Under Static and Impact Loading

AKDENİZ HALL / AKDENİZ SALONU

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

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 Ertugrul Oz
King Abdullah University of
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

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

Nur Sultan Yoldas
Gazi University

16:25-16:45

Preparation and Characterization of Boron Carbide Filled Electrorheological Thermoplastic Polyurethane

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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17:05-17:20

COFFEE BREAK / ÇAY-KAHVE ARASI

ANADOLU HALL / ANADOLU SALONU

4A SESSION
4A OTURUM

Mete Kayihan
Istanbul Technical University

17:20-17:40

Effect of Microwave Curing on Glass Fiber Reinforced Etilium 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

4B SESSION
4B OTURUM

Emirhan Çetin
Oyak Renault Otomobil Fabrikaları A.Ş

17:20-17:40

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

Simay Yanik
Istanbul Technical University

17:40-18:00

Development of Conductive Polymer Blend Nanocomposites with Optimized CNT Content

Yekta Arya Ölcer
Izmir Institute of Technology

18:00-18:20

Polyaspartic Ester-TiO₂ Nanocomposites for Coating Applications

Melisa Atay
Dokuz Eylul University

18:20-18:40

Energy Harvesting Applications for Nanomaterial Based Triboelectric Nanogenerators



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ANADOLU HALL / ANADOLU SALONU

5A SESSION
5A OTURUM

INVITED TALK

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
Basf Türk Kimya

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 Akbulat
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

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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COFFEE BREAK / ÇAY-KAHVE ARASI

ANADOLU HALL / ANADOLU SALONU

6A SESSION
6A OTURUM

Ahmet Süha Kılıçoğlu
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

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
Bogazici University

12:10-12:30

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

AKDENİZ HALL / AKDENİZ SALONU

6B SESSION
6B OTURUM

M. Reza Nofar
Istanbul Technical University

11:10-11:30

Cellulose Nanocrystals and Their Nanocomposites: Progresses and Future Perspectives

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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LUNCH / YEMEK ARASI

ANADOLU HALL / ANADOLU SALONU

7A SESSION
7A OTURUM

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
Samet Özüyük Luxembourg Institute of Science And Technology	14:15-14:35	Recycling of Carbon Fibers in Structural Composites Having Debonding on Demand Characteristics
Göksenin Kurt Çömlekçi 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

AKDENİZ HALL / AKDENİZ SALONU

7B SESSION
7B OTURUM

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

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15:35-15:50

COFFEE BREAK / ÇAY-KAHVE ARASI

ANADOLU HALL / ANADOLU SALONU

8A SESSION
8A OTURUM

Merve Esranur Yalçın
Karadeniz Technical University

15:50-16:10

Production of Hybrid Thermoplastic Composites Reinforced with Hemp and Basalt/Carbon Fabrics for Automotive Interior Trim Panels and Determination of Their Mechanical and Thermal Properties

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

Ekrem Nugayoglu
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

8B SESSION
8B OTURUM

Nilsu Atama
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

16:30-16:50

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

Hüsnü Onur Ertürk
Izmir Katip Çelebi University

16:50-17:10

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

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

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4 October 2025 Saturday / 4 Ekim 2025 Cumartesi



ANADOLU HALL / ANADOLU SALONU

9A SESSION
9A OTURUM

Ayberk Sözen
Dokuz Eylul University

09:30-09:50

Thermoplastic Materials for Marine Applications : PA Composites

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

Kaveh 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

9B SESSION
9B OTURUM

Ahmet Güll
Küçüker Textile Industry and Trade Inc.

09:30-09:50

Nano-Green Textiles: Development of Flame-Retardant Textile Surfaces with PLA-Based Biocomposites for Enhanced Fire Safety

Ezgi Sönmez
Pamukkale University

09:50-10:10

Sandwich Composite Structures from Natural Fiber-Based Textile Waste: Production Process and Acoustic Performance Analysis

Ayça Aydın - 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

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

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

11A SESSION
11A OTURUM

Ümmühan Eker
DowAksa Advanced Composite
Materials Industry Ltd. Co.

INVITED TALK

13:30-14:00

Advanced Carbon Fiber Composites Solutions to Aviation and
Energy Sectors

Neslisah İmamoğlu Karabaş
Izmir University of Economics

14:00-14:20

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

Sümeyra Göçmen
Kosse Composite Marketing

14:20-14:40

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

Emre Alamur
Izmir Institute of Technology

14:40-15:00

Development of Thermal Insulation Materials

Merve Kalaycı
Beşer Balata

15:00-15:20

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

AKDENİZ HALL / AKDENİZ SALONU

11B SESSION
11B OTURUM

Misra Çavdar
Ege University

14:00-14:20

Nanoparticle-Infused Electrospun Fibrous Scaffold
Production for Spinal Cord Injury

Umut Dogu Seckin
Ege University

14:20-14:40

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

Hayat Mohamed
Istanbul Arel University

14:40-15:00

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

Zeynep Özge Öztaban
Istanbul Arel University

15:00-15:20

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

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15:20-15:35

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

ANADOLU HALL / ANADOLU SALONU

12A SESSION
12A OTURUM

Melisa Yeke
Metyx Composites Telateks A.Ş.

15:35-15:55

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

Rüçhan Yıldız
Pamukkale University

15:55-16:15

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

16:15-16:35

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

Ferhat Güll
Gazi University

16:35-16:55

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

17:15-18:15

SECTORAL EVALUATION PANEL SEKTÖREL DEĞERLENDİRME PANELİ

18:15-18:45

POSTER EVALUATION AND CLOSING POSTER DEĞERLENDİRME VE KAPANIŞ

12B SESSION
12B OTURUM

Ferkan Toprak
Pamukkale University

15:35-15:55

Development of Polylactic Acid Composites Reinforced with Bio-Waste for Sound Insulation Applications: The Potential of Olive Pits and Textile Fibers

Mustafa Eren Taşkınçılı
Bursa Technical University

15:55-16:15

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

Mervenur Gülmarmul
Bursa Technical University

16:15-16:35

Sustainable Functionalized PYA Hydrogel Composites via UV Curing

Göksel Kepenek
Pamukkale University

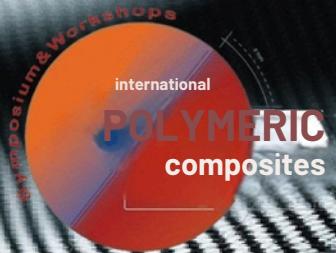
16:35-16:55

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

Sibel Kızılkaya
Marmara University

16:55 - 17:15

Synthesis of Biobased Oligomers from Hemp Oil for Sustainable Production of Textile Waste-Derived Accessories via MSLA 3D Printing



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

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

Tila Çeçen
DYO Paint Factory

Synthesis of Vinyl Ester Resin for the Composite Sector

Yağmur Damla Demir
İzmir Institute of Technology

Development of Fluorinated Gelma Hydrogel for Cancer Treatment

Yasemin Büşra Atmaca
İzmir 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

Bedriye Üçpinar
Ege University

Dual-Responsive PBS-Based Hybrid Films: Integrating Ethylene Scavenging and pH-Indication for Intelligent Food Packaging

Ceren Cikay
Ege University

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

Tuğba Demir Çalışkan
Ankara University

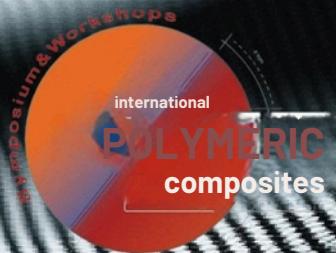
Superhydrophobic and Oleophobic PGMA/COlemanite Composte Films Functionized with Perfluoro Polyether Acid

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

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Mechanical Properties of Carbon Nanofiller Reinforced Glass Fiber Composites