

Prof. AYLİN ZİYLAN

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: Q-1077-2019

ScopusID: 6602209868

Yoksis Researcher ID: 142116

Education

Doctorate, Bogazici University, Institute Of Science, Kimya (Dr), Turkey 1999 - 2006

Postgraduate, Bogazici University, Institute Of Science, Kimya (Yl) (Tezli), Turkey 1996 - 1999

Undergraduate, Bogazici University, Faculty Of Arts And Sciences, Department Of Chemistry, Turkey 1994 - 1996

Foreign Languages

English, C1 Advanced

Research Areas

Health Sciences, Engineering and Technology

Academic Positions

Professor, Dokuz Eylul University, Mühendislik Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, 2024 - Continues

Associate Professor, Dokuz Eylul University, Mühendislik Fakültesi, Metalurji ve Malzeme Mühendisliği Bölümü, 2021 - Continues

Assistant Professor, Dokuz Eylul University, Mühendislik Fakültesi, Metalurji ve Malzeme Mühendisliği Bölümü, 2008 - Continues

Research Assistant, Bogazici University, Faculty Of Arts And Sciences, Department Of Chemistry, 1996 - 2008

Academic and Administrative Experience

Dokuz Eylul University, 2012 - 2015

Courses

Doctorate

PH.D. RESEARCH, Doctorate, 2022 - 2023, 2021 - 2022, 2015 - 2016, 2014 - 2015

Ph.D. Thesis, Doctorate, 2022 - 2023, 2021 - 2022

Postgraduate

M.SC. THESIS, Postgraduate, 2022 - 2023, 2021 - 2022, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012

M.SC. RESEARCH, Postgraduate, 2022 - 2023, 2021 - 2022, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012

POLYMERIC BIOMATERIALS, Postgraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

M.SC. SEMİNAR, Postgraduate, 2013 - 2014, 2011 - 2012

Undergraduate

BİTİRME PROJESİ, Undergraduate, 2022 - 2023, 2021 - 2022, 2019 - 2020, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012

FİZİKOKİMYA, Undergraduate, 2022 - 2023, 2021 - 2022, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Polymers, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021

POLYMER APPLICATIONS, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

BİTİRME PROJESİ HAZIRLIK, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012

TECHNICAL ENGLISH I, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2017 - 2018, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012

TECHNOLOGY OF COMPOSITE MATERIALS, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

POLYMER CHEMISTRY, Undergraduate, 2021 - 2022

TECHNICAL ENGLISH II, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2017 - 2018, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011

POLİMER KİMYASI, Undergraduate, 2019 - 2020

POLİMER KİMYASI, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011

POLYMERS, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

TEKNİK İNGİLİZCE I, Undergraduate, 2018 - 2019, 2016 - 2017

POLİMERLER, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012

KOMPOZİT MALZEME TEKNOLOJİSİ, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011

KİMYA, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012

POLİMER UYGULAMALARI, Undergraduate, 2012 - 2013, 2010 - 2011

Supervised Theses

ZİYLAN A., Improvement of electrical, thermal and mechanical properties of the epoxy coatings by using different additives, Postgraduate, F.DENİZ(Student), 2023

ZİYLAN A., Ayva çekirdeği içeren hidrojenlerin doku mühendisliği uygulamalarında değerlendirilmesi, Postgraduate, H.GİZEM(Student), 2021

ZİYLAN A., Production of luffa cylindrica reinforced silk fibroin-chitosan hydrogel scaffolds for cartilage tissue defects, Postgraduate, İ.ERKUT(Student), 2019

ZİYLAN A., Doku mühendisliği uygulamaları için antibakteriyel, biyobozunur ve biyoyumlu malzeme üretimi, Doctorate, O.ÇOLPANKAN(Student), 2019

ZİYLAN A., Production and characterization of opaque porcelain powders for dental applications, Postgraduate, G.TÜNAYDIN(Student), 2016

ZİYLAN A., Farklı yüzey yüklerine sahip biyobozunur ve biyoyumlu polimerik doku iskelelerinin üretimi ve hücre-iskele etkileşiminin değerlendirilmesi, Postgraduate, İ.ÜNALAN(Student), 2015

ZİYLAN A., Coating of metallic implant surfaces with bio compatible polymers to have bio activity, Postgraduate, N.KAHRAMAN(Student), 2012

ZİYLAN A., Coating of metallic implant surfaces with synthetic hydrogel polymers by electropolymerization method to increase biocompatibility, Postgraduate, D.KORSACILAR(Student), 2012

Journal articles indexed in SCI, SSCI, and AHCI

- I. **Optimized production and comparative analysis of microcrystalline cellulose particles from jute and viscose fiber wastes**
TÜRKOĞLU G. C., ERDOĞAN Ü. H., ZİYLAN A., SARIŞIK A. M.
Polymer Bulletin, vol.82, no.1, pp.127-146, 2025 (SCI-Expanded)
- II. **Elderberry (Sambucus nigra) and hawthorn (Crataegus oxyacantha) extract additives in carboxymethyl chitosan scaffolds for osteochondral tissue engineering applications**
Baysan G., Yilmaz P. A., Husemoglu R. B., ZİYLAN A., Sisman A. R., HAVITÇIOĞLU H.
Journal of Applied Polymer Science, vol.141, no.28, 2024 (SCI-Expanded)
- III. **Loofah and poly(3-hydroxybutyrate-co-3-hydroxyvalerate) (PHBV) nano-fiber-reinforced chitosan hydrogel composite scaffolds with elderberry (Sambucus nigra) and hawthorn (Crataegus oxyacantha) extracts as additives for osteochondral tissue engineering applications**
Baysan G., Yilmaz P. A., ZİYLAN A., HAVITÇIOĞLU H.
Polymer Bulletin, vol.81, no.11, pp.10255-10276, 2024 (SCI-Expanded)
- IV. **Novel injectable calcium-magnesium phosphate cement-based composites with piezoelectric properties: advancements in bone regeneration applications**
Sakar N., Ziyilan Albayrak A., Karakaya M., Adem U., TANSEL T.
Journal of Materials Science: Materials in Electronics, vol.35, no.15, 2024 (SCI-Expanded)
- V. **Loofah-chitosan and poly (-3-hydroxybutyrate-co-3-hydroxyvalerate) (PHBV) based hydrogel scaffolds for meniscus tissue engineering applications**
Baysan G., ÇOLPANKAN GÜNEŞ O., Akokay P., Husemoglu R. B., Ertugruloglu P., Albayrak A., ÇEÇEN B., HAVITÇIOĞLU H.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.221, pp.1171-1183, 2022 (SCI-Expanded)
- VI. **Fabrication of 3D Printed poly(lactic acid) strut and wet-electrospun cellulose nano fiber reinforced chitosan-collagen hydrogel composite scaffolds for meniscus tissue engineering**
ÇOLPANKAN GÜNEŞ O., Kara A., Baysan G., Bugra Husemoglu R., Akokay P., Ziyilan Albayrak A., ERGÜR B. U., HAVITÇIOĞLU H.
JOURNAL OF BIOMATERIALS APPLICATIONS, vol.37, no.4, pp.683-697, 2022 (SCI-Expanded)
- VII. **UV curing: An alternative method for fixation of beta-carotene containing microparticles substances onto cotton fabrics by acrylic binder**
Pektas K., Sarıuşık A. M., Erkan G., Ziyilan A.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.139, no.30, 2022 (SCI-Expanded)
- VIII. **Antibacterial Polypeptide nisin containing cotton modified hydrogel composite wound dressings**
ÇOLPANKAN GÜNEŞ O., ZİYLAN A.
POLYMER BULLETIN, vol.78, no.11, pp.6409-6428, 2021 (SCI-Expanded)
- IX. **Wet-electrospun PHBV nanofiber reinforced carboxymethyl chitosan-silk hydrogel composite scaffolds for articular cartilage repair**
ÇOLPANKAN GÜNEŞ O., ZİYLAN A., Tasdemir S., ŞENDEMİR A.
JOURNAL OF BIOMATERIALS APPLICATIONS, vol.35, pp.515-531, 2020 (SCI-Expanded)
- X. **Fish scale/poly(3-hydroxybutyrate-co-3-hydroxyvalerate) nanofibrous composite scaffolds for bone regeneration**
Kara A., ÇOLPANKAN GÜNEŞ O., ZİYLAN A., Bilici G., ERBİL G., HAVITÇIOĞLU H.
JOURNAL OF BIOMATERIALS APPLICATIONS, vol.34, no.9, pp.1201-1215, 2020 (SCI-Expanded)
- XI. **Novel multilayer meniscal scaffold provides biomechanical and histological results comparable to**

polyurethane scaffolds: An 8 week rabbit study

DEMİRKIRAN N. D., HAVİTÇİOĞLU H., ZİYLAN A., CANKURT Ü., Husemoglu B.

ACTA ORTHOPAEDICA ET TRAUMATOLOGICA TURCICA, vol.53, no.2, pp.120-128, 2019 (SCI-Expanded)

- XII. **Three-dimensional silk impregnated HAp/PHBV nanofibrous scaffolds for bone regeneration**
ÇOLPANKAN GÜNEŞ O., Unalan I., ÇEÇEN B., ZİYLAN A., HAVİTÇİOĞLU H., Ustun O., Ergur B. U.
INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS, vol.68, no.5, pp.217-228, 2019 (SCI-Expanded)
- XIII. **Comparative Study on Flame Retardancy, Thermal, and Mechanical Properties of Glass Fiber Reinforced Polyester Composites with Ammonium Polyphosphate, Expandable Graphite, and Aluminum Tri-hydroxide**
Gunes O. C., Gomek R., Tamar A., Kandemir O. K., Karaorman A., Albayrak A.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.43, no.11, pp.6211-6218, 2018 (SCI-Expanded)
- XIV. **Biocompatibility of plasma-treated poly(3-hydroxybutyrate-co-3-hydroxyvalerate) nanofiber mats modified by silk fibroin for bone tissue regeneration**
Unalan I., ÇOLPANKAN GÜNEŞ O., ZİYLAN A., Gorgun C., Urkmez A. S.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.68, pp.842-850, 2016 (SCI-Expanded)
- XV. **In Vitro Biocompatibility and Antibacterial Activity of Electrospun Ag Doped HAp/PHBV Composite Nanofibers**
Suslu A., ZİYLAN A., BAYIR E., Urkmez A. S., CÖCEN Ü.
INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS, vol.64, no.9, pp.465-473, 2015 (SCI-Expanded)
- XVI. **Effect of surfactant types on the biocompatibility of electrospun HAp/PHBV composite nanofibers**
Suslu A., ZİYLAN A., Urkmez A. S., BAYIR E., CÖCEN Ü.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE, vol.25, no.12, pp.2677-2689, 2014 (SCI-Expanded)
- XVII. **Synthesis and Evaluation of New Dental Monomers with Both Phosphonic and Carboxylic Acid Functional Groups**
Sahin G., Albayrak A., Bilgici Z. S., AVCI SEMİZ D.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.47, no.7, pp.1953-1965, 2009 (SCI-Expanded)
- XVIII. **Synthesis and polymerizations of new metal chelating monomers from alkyl alpha-hydroxymethacrylates**
ZİYLAN A., AVCI SEMİZ D.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.109, no.1, pp.459-466, 2008 (SCI-Expanded)
- XIX. **Synthesis and photopolymerizations of new phosphonated monomers for dental applications**
Yeniad B., ZİYLAN A., Olcum N. C., AVCI SEMİZ D.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.46, no.6, pp.2290-2299, 2008 (SCI-Expanded)
- XX. **Influence of structure on polymerization rates and Ca-binding of phosphorus-containing 1,6-dienes**
ZİYLAN A., Bilgici Z. S., Avci D.
MACROMOLECULAR REACTION ENGINEERING, vol.1, no.5, pp.537-546, 2007 (SCI-Expanded)
- XXI. **Synthesis and photopolymerization of new dental monomers from o-hydroxyaryl phosphonates**
Sahin G., ZİYLAN A., Sarayli Z., Avci D.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.44, no.23, pp.6775-6781, 2006 (SCI-Expanded)
- XXII. **Synthesis and photopolymerizations of new crosslinkers for dental applications**
Yagci B., Ayfer B., ZİYLAN A., Avci D.
MACROMOLECULAR MATERIALS AND ENGINEERING, vol.291, no.4, pp.336-344, 2006 (SCI-Expanded)
- XXIII. **Synthesis and modeling of new phosphorus-containing acrylates**
Salman S., Albayrak A., Avci D., Aviyente V.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.43, no.12, pp.2574-2583, 2005 (SCI-Expanded)
- XXIV. **Novel phosphorus-containing cyclopolymers from ether dimer of tert-butyl alpha-hydroxymethyl**

acrylate

Albayrak A., Avci D.

DESIGNED MONOMERS AND POLYMERS, vol.7, no.3, pp.291-300, 2004 (SCI-Expanded)

XXV. **Synthesis and copolymerization of new phosphorus-containing acrylates**

Avci D., Albayrak A.

JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.41, no.14, pp.2207-2217, 2003 (SCI-Expanded)

Articles Published in Other Journals

I. **Using loofah reinforced chitosan-collagen hydrogel based scaffolds in-vitro and in-vivo; healing in cartilage tissue defects**

Baysan G., Gunes O., TÜREMİŞ C., Akokay Yilmaz P., Husemoglu R. B., Kara Ozenler A., Perpelek M., ZİYLAN A., HAVİTÇİOĞLU H., ÇEÇEN B.

Materialia, vol.31, 2023 (ESCI)

II. **Characterization of Asphalt Binder Containing Microcapsules**

Onsori A., ŞENGÖZ B., TOPAL A., ZİYLAN A.

Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.23, no.67, pp.207-215, 2021 (Peer-Reviewed Journal)

Papers Presented at Peer-Reviewed Scientific Conferences

I. **EXPANDING OPPORTUNITIES WITHIN THE UV PROTECTION OF ARAMID FIBERS: MATERIAL INDEPENDENT LBL TECHNOLOGY**

Ünvar Y., Sarıışık A. M., Uğur Ş. S., Ziyilan A.

IITAS 2023 INTERNATIONAL IZMIR TEXTILE AND APPAREL SYMPOSIUM, İzmir, Turkey, 25 October 2023

II. **Production and Characterization of Microcrystalline Cellulose Particles From Cellulosic Fiber Wastes**

TÜRKOĞLU G. C., ERDOĞAN Ü. H., ZİYLAN A., SARIİŞİK A. M.

IITAS 2023 INTERNATIONAL IZMIR TEXTILE AND APPAREL SYMPOSIUM, İzmir, Turkey, 25 - 27 October 2023

III. **Investigation of Piezoelectric and Dielectric Properties of Bone Cements with BCT-BZT Additives**

Şakar N., ZİYLAN A., ADEM U., TANSEL T., KARAKAYA M., ŞENDEMİR A.

3rd International Symposium on Characterization, İstanbul, Turkey, 06 September 2023

IV. **INVESTIGATION OF CELLULAR BEHAVIOUR OF HUMAN DERMAL FIBROBLASTS SEEDED ON 3D PRINTED PDMS AND TPU SCAFFOLDS**

Karabay U., Yüksel Eğrilmez M., Hüsemoglu R. B., Aydemir S., Çolpankan Güneş O., Ziyilan A., Baykara B., Öztürk F. A., Atalmış S. E., Demirdöver C.

VII. Türkiye in vitro Diagnostic (IVD) Symposia: Inflammation, İzmir, Turkey, 27 - 29 April 2022, vol.47, pp.45-46

V. **Epoksi Kaplamalarda Farklı Katkılar Kullanarak Termal ve Mekanik Özelliklerin Geliştirilmesi**

Deniz F., ZİYLAN A.

7. Uluslararası Akademik Araştırmalar Kongresi, Turkey, 24 January 2022, pp.482-496

VI. **Nano/Microcellulose-Doped Textile-Based Carboxymethyl Chitosan-Polyethylene Glycol Hydrogels For Surgical Dressings**

TÜRKOĞLU G. C., ZİYLAN A., KARAVANA S. Y., AYDIN KÖSE F., ÖNDER T., ERDOĞAN Ü. H., SARIİŞİK A. M.

XVth International Izmir Textile and Apparel Symposium - IITAS 2021, İzmir, Turkey, 26 - 28 October 2021, pp.397-403

VII. **Quince Seed Gel / Carboxymethyl Chitosan Based Scaffolds for Tissue Engineering Applications**

İnal G., Ziyilan A., Çolpankan Güneş O.

International Congress on Biological and Health Sciences, İzmir, Turkey, 26 - 28 February 2021, pp.244

VIII. **Fabrication and Biocompatibility Analysis of Loofah / HAP / CMC Scaffolds for Bone Tissue**

Engineering

Türemiş C., Çolpankan Güneş O., Baysan G., Perpelek M., Ziyilan A., Havitçioğlu H.

28th Annual Meeting European Orthopaedic Research Society Remote Attendance Virtual Congress, İzmir, Turkey, 17 - 18 September 2020, pp.621-627

- IX. **Wet-electrospun PHBV nanofiber reinforced carboxymethyl chitosan/silk hydrogel scaffolds for cartilage regeneration**
ÇOLPANKAN O., ZİYLAN A., Taşdemir Ş., ŞENDEMİR A.
European Congress and Exhibition on Advanced Materials and Processes (EUROMAT 2019 Congress), 1 - 05 September 2019
- X. **Production of antibacterial polypeptide nisin containing carboxymethylchitosan-alginate impregnated cotton hydrogel wound dressings**
ÇOLPANKAN O., ZİYLAN A.
European Congress and Exhibition on Advanced Materials and Processes (EUROMAT 2019 Congress), 1 - 05 September 2019
- XI. **PRODUCTION OF LUFFA CYLINDRICA REINFORCED SILK FIBROIN/CHITOSAN HYDROGEL SCAFFOLDS FOR CARTILAGE TISSUE DEFECTS**
Ozer İ. E., ZİYLAN A., ÇOLPANKAN O., Baysan G., HAVİTÇİOĞLU H.
19.Uluslararası Metalurji ve Malzeme Kongresi, İstanbul, Turkey, 25 - 27 October 2018
- XII. **Kompozit Yapıdaki Farklı Hidrojel Menisküs Doku İskelelerinin Üretimi ve Karakterizasyonları**
Baysan G., ÇOLPANKAN O., Husemoglu B., ZİYLAN A., HAVİTÇİOĞLU H.
Uluslararası 9. Biyomekanik Kongresi, 19 - 22 September 2018
- XIII. **Developments of Self-Healing Technologies on Asphalt Materials**
ŞENGÖZ B., Onsori A., ZİYLAN A., TOPAL A., ÖNER J.
13th International Congress on Advances in Civil Engineering-ACE 2018, İzmir, Turkey, 12 - 14 September 2018
- XIV. **Characterization of Meniscus Scaffolds Containing PHBV Nanofibers and Loofah Embedded in Chitosan and Collagen**
Baysan G., ÇOLPANKAN O., ZİYLAN A., Husemoglu B., Kara A., Perpelek M., HAVİTÇİOĞLU H.
7. International Molecular Biology and Biotechnology Congress, 25 - 27 April 2018
- XV. **Investigation Of Recovery Behaviors Of Self-Healing Asphalt**
ŞENGÖZ B., Amir O., ZİYLAN A., TOPAL A., ÖNER J.
3rd International Conference on Civil and Environmental Engineering, İzmir, Turkey, 24 - 27 April 2018, vol.2, pp.386-393
- XVI. **DEVELOPMENT OF FLAME RETARDANT GLASS FIBER REINFORCED POLYESTER COMPOSITES**
ÇOLPANKAN O., GÖMEK R., TAMAR A., KANDEMİR O. K., KARAORMAN A., ZİYLAN A.
5th INTERNATIONAL POLYMERIC COMPOSITES SYMPOSIUM AND WORKSHOPS, 2 - 04 November 2017
- XVII. **Production and characterization of leucite based opaque porcelains fused to metals for dental restorations.**
TÜNAYDIN G., ZİYLAN A., SÜTÇÜ M.
2nd International Conference on Material Science and Technology in Cappadocia (IMSTEC 2017), Nevşehir, Turkey, 11 - 13 October 2017
- XVIII. **PRODUCTION OF BIOCOMPATIBLE PHBV BASED NANOFIBROUS SPONGE-LIKE SCAFFOLDS FOR BONE TISSUE ENGINEERING**
ÇOLPANKAN O., ÜNALAN İ., ÇEÇEN B., ZİYLAN A., HAVİTÇİOĞLU H.
3rd international conference on: NANOFIBERS, APPLICATIONS AND RELATED TECHNOLOGIES (NART 2017), 25 - 27 September 2017
- XIX. **DEVELOPMENT OF FISH SCALE REINFORCED PHBV NANOFIBROUSSPONGE-LIKE SCAFFOLD FOR BONE TISSUE REGENERATION**
ÇOLPANKAN O., KARA A., ZİYLAN A., HAVİTÇİOĞLU H., BİLİCİ G., ERBİL G.
European Congress and Exhibition on Advanced Materials and Processes (EUROMAT 2017 Congress), 17 - 22 September 2017
- XX. **PRODUCTION OF SILK IMPREGNATED POROUS PHBV NANOFIBER MATS**

ÇOLPANKAN O., ZİYLAN A.

3rd International Porous and Powder Materials Symposium and Exhibition (PPM 2017), 12 - 15 September 2017

XXI. ENHANCED CELL AFFINITY OF PHBV NANOFIBER MATS WITH PLASMA TREATMENT AND SILK IMPREGNATION

Unalan İ., ÇOLPANKAN O., ZİYLAN A., Görgün C., ŞENDEMİR ÜRKMEZ A.

Materials Science and Engineering Congress 2016, 27 - 29 September 2016

XXII. Assessment of antibacterial activity of metal oxide containing conveyor belts with electron spin resonance technique

GEDİK G., AKŞİT A., ENGİN B., PAKSU U., KUTLU B., ZİYLAN A.

VI International Conference on Antimicrobial Research, Malaga, Spain, 29 June - 01 July 2016

XXIII. Fabrication of Fibrous 3D PHBV Tissue Scaffolds

ÇELİK Y., AKDEMİR N., ÇETİNYÜREK N., ÇOLPANKAN O., ÜNALAN İ., ALBAYRAK A.

21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015

XXIV. UV curing effect on fixating of capsule based substances onto textile materials

SARIIŞIK A. M., PEKTAŞ K., ERKAN G., ALBAYRAK A.

6th INTERNATIONAL TECHNICAL TEXTILES CONGRESS, 14 - 16 October 2015, pp.219-222

XXV. Surface Properties of Plasma Modified HAp PHBV Composite Membranes for Bone Regeneration

Ünalın İ., Çolpankan O., Albayrak A., Kutlu B.

European Congress and Exhibition on Advanced Materials and Processes, Warszawa, Poland, 20 - 24 September 2015

XXVI. Biocompatibility Properties of Porous HAp PHBV Composite Membranes

ÇOLPANKAN O., ÜNALAN İ., ALBAYRAK A.

The International Porous and Powder Materials Symposium and Exhibition, PPM 2015, İzmir, Turkey, 15 - 18 September 2015

XXVII. Kalsiyum Oksit Katkılı Antibakteriyal Polimerik Kaplamalı Taşıyıcı Bant Eldesi

AKŞİT A., GEDİK G., KUTLU B., ALBAYRAK A.

15. Tekstil Teknolojisi ve Kimyasındaki Son Gelişmeler Sempozyumu, Bursa, Turkey, 14 - 16 May 2015

XXVIII. Production of Osteoconductive and Antibacterial Ag doped HAp PHBV Composite Nanofibers via Electrospinning Technique

ALBAYRAK A., SÜSLÜ A., BAYIR E., ŞENDEMİR ÜRKMEZ A., CÖCEN Ü.

Materials Science and Engineering Congress 2014, 23 - 25 September 2014

XXIX. Coating of 316L Stainless Steel with Biocompatible Polymers to Have Bioactivity

KAHRAMAN N. A., MALAYOĞLU U., KOZACI L. D., ÇEÇEN B., ALBAYRAK A.

European Congress and Exhibition on Advanced Materials and Process, 8 - 13 September 2013

XXX. Production of Osteoconductive HAp PHBV Composite Materials

SÜSLÜ A., ALBAYRAK A., ŞENDEMİR ÜRKMEZ A., CÖCEN Ü.

European Congress and Exhibition on Advanced Materials and Processes, 8 - 13 September 2013

XXXI. Radical Oxygen Species Releasing Antibacterial Conveyor Belt Materials

AKŞİT A., KUTLU B., ALBAYRAK A., GEDİK G., ÖZERDOĞAN M. A., MIZRAK B.

13th Autex World Textile Conference, Dresden, Germany, 22 - 24 May 2013

XXXII. Antibacterial Conveyor Belt Materials To Carry Food Products

AKŞİT A., KUTLU B., ALBAYRAK A., MIZRAK B., ÖZERDOĞAN M. A.

5th International Technical Textiles Congress, İzmir, Turkey, 7 - 09 November 2012

XXXIII. Coating of Metallic Implant Surfaces with Poly HEMA GDMA Hydrogel via Electropolymerization Technique

KAHRAMAN N. A., ALBAYRAK A., MALAYOĞLU U.

16th International Metallurgy and Materials Congress, 13 - 15 September 2012

XXXIV. Effects of Surfactant Types on the Production of HAP PHBV Nanocomposite Fibers via Electrospinning

SÜSLÜ A., ALBAYRAK A., CÖCEN Ü.

16th International Metallurgy and Materials Congress, 13 - 15 September 2012

- XXXV. **Synergism Caused by a Blend of Nirtite Based Inhibitors and Vaccinium Myrtillus Blueberry Plant Extract on Boiler Steel in De Aerated Weak Acid**
TURHAN A., KARAHAN B., ALBAYRAK A., EKİNCİ H., ÇAKIR A.
The European Corrosion Congress 2012, 9 - 13 September 2012
- XXXVI. **Inhibition of EN 10204 Steel in H₂SO₄ by a Mixture of Hypericum Perforatum Plant Extract and Nitrite Based Inorganic Inhibitors**
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