

## Doç.Dr. HÜSEYİN AVCI

### Kişisel Bilgiler

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### Eğitim Bilgileri

Doktora, North Carolina State University, Fiber Ve Polimer Bilimi, Amerika Birleşik Devletleri 2010 - 2013

Yüksek Lisans, North Carolina State University {North Carolina}, Tekstil Kimyası, Amerika Birleşik Devletleri 2008 - 2010

Lisans, Dokuz Eylül Üniversitesi, Mühendislik Fakültesi, Tekstil Mühendisliği Bölümü, Türkiye 1999 - 2005

### Yaptığı Tezler

Doktora, Unusual formation of precursors for crystallization of ultra-high performance polypropylene and poly (ethylene terephthalate) fibers by utilization of ecologically friendly horizontal isothermal bath, North Carolina State University, Fiber Ve Polimer Bilimi, 2013

Yüksek Lisans, Novel approaches to the development and characterization of antimicrobial conventional and nanostructured materials, North Carolina State University {North Carolina}, Tekstil Kimyası, 2010

### Araştırma Alanları

Malzeme Bilimi ve Mühendisliği

### Akademik Unvanlar / Görevler

Doç.Dr., Eskişehir Osmangazi Üniversitesi, Mühendislik-Mimarlık Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, 2019 - Devam Ediyor

Araştırma Görevlisi, Harvard-Mit Health Sciences And Technology, 2015 - 2016

Araştırma Görevlisi, Harvard University, Medical School, 2015 - 2016

Araştırma Görevlisi, İstanbul Teknik Üniversitesi, Uçak Ve Uzay Bilimleri Fakültesi, 2013 - 2014

Araştırma Görevlisi, North Carolina State University, 2013 - 2014

Araştırma Görevlisi, North Carolina State University, 2008 - 2013

### Verdiği Dersler

NANO POLİMERİK MALZEMELERİN YAPISI VE ÖZELLİKLERİ, Yüksek Lisans, 2016 - 2017, 2017 - 2018

POLİMER MÜHENDİSLİĞİNİN TEMELLERİ, Yüksek Lisans, 2017 - 2018

KLİNİK DOKU MÜHENDİSLİĞİ, Doktora, 2017 - 2018

LİF VE LİFLİ YAPILARIN ÖZELLİKLERİ VE KULLANIMI, Doktora, 2016 - 2017, 2017 - 2018

Polimer Malzemeler, Lisans, 2016 - 2017, 2017 - 2018

POLİMER MALZEMELER VE TASARIM, Lisans, 2016 - 2017, 2017 - 2018

İLERİ BİYOMALZEMELER VE UYGULAMALARI, Yüksek Lisans, 2016 - 2017, 2017 - 2018

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Electrochemical Investigation of Gold Based Screen Printed Electrodes: An Application for a Seafood Toxin Detection**  
Koc Y., Morali U., Erol S., AVCI H.  
Electroanalysis, cilt.33, sa.4, ss.1033-1048, 2021 (SCI Expanded İndekslerine Giren Dergi)
- II. **Investigation of the Effect of Channel Structure and Flow Rate on On-Chip Bacterial Lysis.**  
Dizaji A. N. , Ozturk Y., Ghorbanpoor H., Cetak A., AKÇAKOCA İ., Kocagoz T., AVCI H., Corrigan D., Guzel F. D.  
IEEE transactions on nanobioscience, cilt.20, sa.1, ss.86-91, 2021 (SCI Expanded İndekslerine Giren Dergi)
- III. **Label-free molecular detection of antibiotic susceptibility for Mycobacterium smegmatis using a low cost electrode format.**  
Guzel F. D. , Ghorbanpoor H., Dizaji A. N. , AKÇAKOCA İ., Ozturk Y., Kocagoz T., Corrigan D. K. , AVCI H.  
Biotechnology and applied biochemistry, 2020 (SCI Expanded İndekslerine Giren Dergi)
- IV. **Self-assembled fibrillar polyethylene crystals with tunable properties**  
Seyhan A., Gunaydin B. N. , POLAT Y., Kılıç A., Demir A., AVCI H.  
POLYMER ENGINEERING AND SCIENCE, cilt.60, sa.9, ss.2176-2189, 2020 (SCI İndekslerine Giren Dergi)
- V. **Flexible poly(styrene-ethylene-butadiene-styrene) hybrid nanofibers for bioengineering and water filtration applications**  
AVCI H., Akkulak E., Gergeroglu H., Ghorbanpoor H., UYSAL O., EKER SARIBOYACI A., Demir B., Soykan M. N. , PAT S., Mohammadigharehbagh R., et al.  
Journal of Applied Polymer Science, cilt.137, sa.26, 2020 (SCI Expanded İndekslerine Giren Dergi)
- VI. **Decellularized inner body membranes for tissue engineering: a review**  
Inci I., Norouz Dizaji A., Ozel C., MORALI U., Dogan Guzel F., Avci H.  
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, cilt.31, sa.10, ss.1287-1368, 2020 (SCI İndekslerine Giren Dergi)
- VII. **Customizable Composite Fibers for Engineering Skeletal Muscle Models**  
Fallahi A., Yazdi I. K. , Serex L., Leshia E., Faramarzi N., Tarlan F., Avci H., Costa-Almeida R., Sharifi F., Rinoldi C., et al.  
ACS BIOMATERIALS SCIENCE & ENGINEERING, cilt.6, sa.2, ss.1112-1123, 2020 (SCI İndekslerine Giren Dergi)
- VIII. **Synergistic effects of plant extracts and polymers on structural and antibacterial properties for wound healing**  
AVCI H., Gergeroglu H.  
POLYMER BULLETIN, cilt.76, sa.7, ss.3709-3731, 2019 (SCI İndekslerine Giren Dergi)
- IX. **Preparation of origanum minutiflorum oil-loaded core-shell structured chitosan nanofibers with tunable properties**  
Avci H., Ghorbanpoor H., Nurbaş M.  
Polymer Bulletin, cilt.75, sa.9, ss.4129-4144, 2018 (SCI Expanded İndekslerine Giren Dergi)
- X. **Reversible Redox Activity by Ion-pH Dually Modulated Duplex Formation of i-Motif DNA with Complementary G-DNA**  
Chang S., Kilic T., Lee C. K. , AVCI H., Bae H., Oskui S. M. , Jung S. M. , Shin S. R. , Kim S. J.  
NANOMATERIALS, cilt.8, sa.4, 2018 (SCI İndekslerine Giren Dergi)
- XI. **Fabrication of Nanopores in an Ultra-Thin Polyimide Membrane for Biomolecule Sensing**  
Guzel F. D. , Avci H.  
IEEE SENSORS JOURNAL, cilt.18, sa.7, ss.2641-2646, 2018 (SCI İndekslerine Giren Dergi)
- XII. **Cell-laden composite suture threads for repairing damaged tendons**  
Costa-Almeida R., Domingues R. M. A. , Fallahi A., Avci H., Yazdi I. K. , Akbari M., Reis R. L. , Tamayol A., Gomes M. E. , Khademhosseini A.  
JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE, cilt.12, sa.4, ss.1039-1048, 2018 (SCI İndekslerine Giren Dergi)
- XIII. **Rapid prototyping of whole-thermoplastic microfluidics with built-in microvalves using laser ablation and thermal fusion bonding**  
Shaegh S. A. M. , Pourmand A., Nabavina M., Avci H., Tamayol A., Mostafalu P., Ghavifekr H. B. , Aghdam E. N. ,

Dokmeci M. R. , Khademhosseini A., et al.

SENSORS AND ACTUATORS B-CHEMICAL, cilt.255, ss.100-109, 2018 (SCI İndekslerine Giren Dergi)

- XIV. **A Review of Cellulose and Cellulose Blends for Preparation of Bio-derived and Conventional Membranes, Nanostructured Thin Films, and Composites**  
Douglass E. F. , AVCI H., Boy R., Rojas O. J. , Kotek R.  
POLYMER REVIEWS, cilt.58, sa.1, ss.102-163, 2018 (SCI İndekslerine Giren Dergi)
- XV. **Recent advances in organ-on-a-chip technologies and future challenges: a review**  
AVCI H., Dogan Guzel F., EROL S., Akpek A.  
TURKISH JOURNAL OF CHEMISTRY, cilt.42, sa.3, ss.587-610, 2018 (SCI İndekslerine Giren Dergi)
- XVI. **An eco-friendly approach to synthesis and characterization of magnetite (Fe<sub>3</sub>O<sub>4</sub>) nanoparticles using Platanus Orientalis L. leaf extract**  
Nurbas M., Ghorbanpoor H., Avci H.  
Digest Journal of Nanomaterials and Biostructures, cilt.12, sa.4, ss.993-1000, 2017 (SCI Expanded İndekslerine Giren Dergi)
- XVII. **Label-Free and Regenerative Electrochemical Microfluidic Biosensors for Continual Monitoring of Cell Secretomes**  
Shin S. R. , Kilic T., Zhang Y. S. , Avci H., Hu N., Kim D., Branco C., Aleman J., Massa S., Silvestri A., et al.  
ADVANCED SCIENCE, cilt.4, sa.5, 2017 (SCI İndekslerine Giren Dergi)
- XVIII. **Multisensor-integrated organs-on-chips platform for automated and continual in situ monitoring of organoid behaviors**  
Zhang Y. S. , Aleman J., Shin S. R. , Kilic T., Kim D., Shaegh S. A. M. , Massa S., Riahi R., Chae S., Hu N., et al.  
PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, cilt.114, sa.12, 2017 (SCI İndekslerine Giren Dergi)
- XIX. **Development of High-Tenacity, High-Modulus Poly(ethylene terephthalate) Filaments via a Next Generation Wet-Melt-Spinning Process**  
Yoon J. H. , AVCI H., Najafi M., Nasri L., Hudson S. M. , Kotek R.  
POLYMER ENGINEERING AND SCIENCE, cilt.57, sa.2, ss.224-230, 2017 (SCI İndekslerine Giren Dergi)
- XX. **Investigation and recycling of paint sludge with cement and lime for producing lightweight construction mortar**  
AVCI H., Ghorbanpoor H., TOPÇU İ. B. , NURBAŞ M.  
Journal of Environmental Chemical Engineering, cilt.5, sa.1, ss.861-869, 2017 (SCI Expanded İndekslerine Giren Dergi)
- XXI. **Aptamer-Based Microfluidic Electrochemical Biosensor for Monitoring Cell-Secreted Trace Cardiac Biomarkers**  
Shin S. R. , Zhang Y. S. , Kim D., Manbohi A., Avci H., Silvestri A., Aleman J., Hu N., Kilic T., Keung W., et al.  
ANALYTICAL CHEMISTRY, cilt.88, sa.20, ss.10019-10027, 2016 (SCI İndekslerine Giren Dergi)
- XXII. **Photophysical properties of phosphorescent elastomeric composite nanofibers**  
ÇALIŞIR M. D. , Erol M., Kılıç A., AVCI H.  
DYES AND PIGMENTS, cilt.125, ss.95-99, 2016 (SCI İndekslerine Giren Dergi)
- XXIII. **Highly crystalline and oriented high-strength poly(ethylene terephthalate) fibers by using low molecular weight polymer**  
Avci H., Najafi M., Kılıç A., Kotek R.  
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.132, sa.45, 2015 (SCI İndekslerine Giren Dergi)
- XXIV. **High-performance filaments by melt spinning low viscosity nylon 6 using horizontal isothermal bath process**  
Najafi M., AVCI H., Kotek R.  
POLYMER ENGINEERING AND SCIENCE, cilt.55, sa.11, ss.2457-2464, 2015 (SCI İndekslerine Giren Dergi)
- XXV. **Controlling of Threadline Dynamics via a Novel Method to Develop Ultra-High Performance Polypropylene Filaments**  
Avci H., Kotek R., Toliver B.  
POLYMER ENGINEERING AND SCIENCE, cilt.55, sa.2, ss.327-339, 2015 (SCI İndekslerine Giren Dergi)

- XXVI. **Characterization and Development of a New Method for Determination Charge Density of 3-(Trimethoxysilyl)-propyldimethyloctadecyl Ammonium Chloride Coatings on Polyester Surfaces**  
Avci H., Monticello R., Kotek R.  
AATCC JOURNAL OF RESEARCH, cilt.1, sa.3, ss.1-10, 2014 (SCI İndekslerine Giren Dergi)
- XXVII. **Characterization of Degradation of Polypropylene Nonwovens Irradiated by gamma-Ray**  
Keene B., Bourham M., Viswanath V., Avci H., Kotek R.  
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.131, sa.4, 2014 (SCI İndekslerine Giren Dergi)
- XXVIII. **Preparation of antibacterial PVA and PEO nanofibers containing Lawsonia Inermis (henna) leaf extracts**  
Avci H., Monticello R., Kotek R.  
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, cilt.24, sa.16, ss.1815-1830, 2013 (SCI İndekslerine Giren Dergi)
- XXIX. **Developing an ecologically friendly isothermal bath to obtain a new class high-tenacity and high-modulus polypropylene fibers**  
Avci H., Kotek R., Yoon J.  
JOURNAL OF MATERIALS SCIENCE, cilt.48, sa.22, ss.7791-7804, 2013 (SCI İndekslerine Giren Dergi)
- XXX. **Properties of Antibacterial Polypropylene/Nanometal Composite Fibers**  
Gawish S. M. , Avci H., Ramadan A. M. , Mosleh S., Monticello R., Breidt F., Kotek R.  
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, cilt.23, ss.43-61, 2012 (SCI İndekslerine Giren Dergi)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **Biologically modified microelectrode sensors provide enhanced sensitivity for detection of nucleic acid sequences from Mycobacterium tuberculosis**  
Blair E. O. , Hannah S., Vezza V., AVCI H., Kocagoz T., Hoskisson P. A. , Güzel F. D. , Corrigan D. K.  
Sensors and Actuators Reports, cilt.2, sa.1, ss.100008, 2020 (Diğer Kurumların Hakemli Dergileri)
- II. **Recent Advances in 4D Bioprinting**  
AKPEK A., BAL ÖZTÜRK A., ALARÇİN E., AVCI H., avci adali m.  
Research Journal of Biomedical and Biotechnology, cilt.1, sa.1, ss.20-23, 2020 (Diğer Kurumların Hakemli Dergileri)
- III. **Impedance testing of porous Si3N4 scaffolds for skeletal implant applications**  
Akbulut S. O. , Ghorbanpoor H., Iptec B. O. , Butterworth A., Avcioglu G., Kozaci L. D. , Topates G., Corrigan D. K. , AVCI H., Guzel F. D.  
SN Applied Sciences, cilt.2, sa.5, 2020 (Diğer Kurumların Hakemli Dergileri)
- IV. **GÜÇ TUTUŞUR POLİPROPİLEN POLİMERİ VE LİF UYGULAMALARINDA SON GELİŞMELER VE GELECEK BEKLENTİLERİ**  
AVCI H., ÜREYEN M. E. , KILIÇ A., Sağlam E. A. , DEMİR A.  
Uludağ University Journal of The Faculty of Engineering, cilt.24, sa.2, ss.609-632, 2019 (Diğer Kurumların Hakemli Dergileri)
- V. **HIGH PERFORMANCE FIBERS: A REVIEW ON CURRENT STATE OF ART AND FUTURE CHALLENGES**  
AVCI H., Hassanin A., Hamouda T., KILIÇ A.  
Eskişehir Osmangazi Üniversitesi Mühendislik ve Mimarlık Fakültesi Dergisi, cilt.27, sa.2, ss.130-155, 2019 (Diğer Kurumların Hakemli Dergileri)
- VI. **PRODUCTION AND ANALYSIS OF FUNCTIONAL SEBS NANOFIBERS BY ELECTROSPINNING**  
AVCI H., AKKULAK E., GERGEROĞLU H., GHORBANPOOR H., BAKSAN B., DOĞAN GÜZEL F.  
Eskişehir Osmangazi Üniversitesi Mühendislik ve Mimarlık Fakültesi Dergisi, cilt.26, sa.2, ss.40-46, 2018 (Diğer Kurumların Hakemli Dergileri)
- VII. **A NOVEL APPROACH FOR WATER TREATMENT BY USING ACTIVATED CARBON : APRICOT KERNEL SHELL**  
ADHAMİ S., GHORBANPOOR H., AZAK B., KAPUCU S., NURBAŞ M., AVCI H.

Eskişehir Osmangazi Üniversitesi Mühendislik ve Mimarlık Fakültesi Dergisi, cilt.26, sa.1, ss.1-7, 2018 (Diğer Kurumların Hakemli Dergileri)

**VIII. FUNCTIONAL COMPOSITE NANOFIBERS DERIVED FROM NATURAL EXTRACT OF SATUREJA HORTENSIS**

GERGEROĞLU H., AVCI H.

Anadolu University Journal of Science and Technology-A Applied Sciences and Engineering, cilt.18, sa.5, ss.908-918, 2017 (Diğer Kurumların Hakemli Dergileri)

**IX. Sustainable Approach to Produce Polyurethane Composite Foams with Natural Materials**

AVCI H., Ozdemir A. U.

Celal Bayar Üniversitesi Fen Bilimleri Dergisi, 2017 (Diğer Kurumların Hakemli Dergileri)

**X. Atık Boya Çamuru ile Üretilen Betonların özellikleri**

Ghorbanpoor H., TOPÇU İ. B. , AVCI H., NURBAŞ M.

yapı dünyası, cilt.252, ss.42-45, 2017 (Diğer Kurumların Hakemli Dergileri)

**XI. Investigation Of 3D Bio-Composite Structures Using Vacuum Infusion Method Via Chicken Feathers Fibers**

Nurbaş M., Ghorbanpoor H., Avci H.

Journal of Advanced Research in Engineering Technology, cilt.1, sa.2, ss.5-10, 2017 (Diğer Kurumların Hakemli Dergileri)

**XII. Effects of Reinforced Materials on Mechanical Properties of 3D Composite Structure**

ghorbanpoor h., NURBAŞ M., AVCI H.

International Journal of Mechanical and Production Engineering, 2016 (Diğer Kurumların Hakemli Dergileri)

**XIII. Effect of Reinforced Materials on Mechanical Properties of 3D Composite Structure**

Ghorbanpoor H., NURBAŞ M., AVCI H.

International Journal of Mechanical And Production Engineering, 2016 (Diğer Kurumların Hakemli Dergileri)

**XIV. Effective Commercial Additives for Improving Poly-Propylene Fibres Properties by The Melt Extrusion Process**

Gawish S., Kotek R., Monticello R., Ramadan A., AVCI H., Mosleh M.

Al-Azhar Bulletin of Science, 2010 (Diğer Kurumların Hakemli Dergileri)

## **Kitap & Kitap Bölümleri**

**I. Production of polyolefins**

Kotek R., Afshari M., Avci H., Najafi M.

Polyolefin Fibres: Structure, Properties and Industrial Applications, S C O Ugbohue, Editör, Woodhead Publishing Limited , Birmingham, ss.187-264, 2017

**II. Development of antimicrobial materials**

AVCI H.

Saarbrücken: VDM Verlag Dr Müller, 2011

## **Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar**

**I. A novel microheater integrated microelectrode enhances the sensitivity of conventional electrochemical nucleic acid biosensors**

Akcakoca I., Ghorbanpoor H., Ozturk Y., Norouz Dizaji A., Blair E., Kocagoz T., Corrigan D., AVCI H., DOĞAN GÜZEL F. International Eurasian Conference on Biotechnology and Biochemistry, 16 - 18 Aralık 2020

**II. Çeşitli Redoks Problemlerinin Ekran Baskılı Karbon Elektrodun Elektrokimyasal Davranışı Üzerindeki Etkisinin Dönüşümlü Voltametri Yöntemi ile İncelenmesi**

KOÇ Y., MORALI U., EROL S., AVCI H.

32. Ulusal Kimya Kongresi, Türkiye, 17 - 19 Eylül 2020

- III. **Investigation of Hot Drawing on Chain Orientation Using Linear Low-Density Polyethylene Fibers**  
Seyhan A., Tepekiran B., POLAT Y., KILIÇ A., DEMİR A., AVCI H.  
VII. International Fiber and Polymer Research Symposium, 25 - 26 Eylül 2020
- IV. **Organ on a Chip: Opportunities and Challenges**  
AVCI H.  
BioTurkiye, 5 - 07 Mart 2020
- V. **Synergistic engineering of organoids: A platform for drug discovery and personalized medicine**  
AVCI H.  
V. Life Sciences Congress, Türkiye, 21 - 22 Şubat 2020
- VI. **Surface modification of polyethylene by a simple post-treatment method**  
Seyhan A., Tepekiran B. N., POLAT Y., KILIÇ A., DEMİR A., AVCI H.  
VI. International Fiber and Polymer Research Symposium, 24 - 25 Ocak 2020
- VII. **Biomimetic approaches to tissue engineering of organoids**  
AVCI H.  
VI. International Fiber and Polymer Research Symposium, 24 - 25 Ocak 2020
- VIII. **Improving flame retardancy of PE with halogen-free materials**  
Tepekiran B. N., Seyhan A., POLAT Y., KILIÇ A., DEMİR A., AVCI H.  
VI. International Fiber and Polymer Research Symposium, 24 - 25 Ocak 2020
- IX. **Investigation of immobilization process of screen printed carbon electrode for an advanced biosensor: A detailed characterization**  
Koc Y., Morali U., Erol S., Avci H.  
IV. International Scientific and Vocational Studies Congress – Engineering, Ankara, Türkiye, 7 - 10 Kasım 2019, ss.174-177
- X. **Impedance Testing of Porous Si<sub>3</sub>N<sub>4</sub> Scaffolds for Skeletal Implant Applications**  
Akbulut O., Özbek B., Butterworth A., Ghorbanpoor H., Avcioglu G., KOZACI L. D., TOPATEŞ G., Corrigan D., AVCI H., DOĞAN GÜZEL F.  
5th International Conference on Engineering Sciences, 19 Eylül 2019
- XI. **Developing Biosensors for Food Safety Analysis**  
AVCI H., ANIL H., KOÇ Y., MORALI U., EROL S.  
4th International Congress on Biosensors, Çanakkale, Türkiye, 8 - 11 Temmuz 2019
- XII. **Developing Biosensors for Food Safety Analysis**  
AVCI H., Anil H., Koc Y., MORALI U., EROL S.  
4th International Congress on Biosensors, 8 - 11 Temmuz 2019
- XIII. **Development of Crystal Cleavage for Low Molecular Weight Linear Polymer**  
Seyhan A., Tepekiran B., POLAT Y., KILIÇ A., DEMİR A., AVCI H.  
5th International Fiber and Polymer Research Symposium, Türkiye, 2 - 03 Mayıs 2019
- XIV. **Anti-Diyabetik Kontrollü İlaç Taşıyıcı Sistemler İçin Elektroçekim Çekirdek/Kabuk Nanoliflerinin Geliştirilmesi**  
Kara Magden G., AVCI H., NURBAŞ M.  
VII. Polymer Science Technology Congress with International Participation, 9 - 12 Eylül 2018
- XV. **A Novel Microfluidic Liver on a Chip Platform for Prediction of Drug Toxicity**  
Kilic T., Shin S. R., Zhang Y. S., AVCI H., Dokmeci M., Ali K.  
VII. Polymer Science Technology Congress with International Participation, 9 - 12 Eylül 2018
- XVI. **Production of Core-Shell Nanofibers for Controlled Drug Delivery for Their Potential Application in Wound Healing**  
AVCI H., Ghorbanpoor H., NURBAŞ M.  
VII. Polymer Science Technology Congress with International Participation, 9 - 12 Eylül 2018
- XVII. **Novel Nanofibre Integrated SiN Scaffolds for Skeletal Implant Applications**  
Akbulut S. O., Özbek İptec B., Butterworth A., Ghorbanpoor H., Avcioglu G., Akbas Y., Oksuz S., KOZACI L. D., TOPATEŞ G., DOĞAN GÜZEL F., et al.  
14th Nanoscience and Nanotechnology Conference, 22 - 25 Eylül 2018

- XVIII. **Robotic Microactuator-Controlled Catheters for Minimally Invasive Surgery**  
AVCI H., Shin S.  
X. International RD Brokerage Event, 8 - 09 Mart 2018
- XIX. **Doğal Antibakteriyel Ajanlar ile Immobilize Edilmiş Elektrospun Nanofiberleri Kullanarak In vitro Yara İyileşmesi**  
AVCI H., Gergeroglu H.  
3rd International Fiber and Polymer Research Symposium, 8 - 09 Mart 2018
- XX. **Production of Magnetic Electrospun Nanofibers for Use in Cancer Therapy**  
Gergeroglu H., AVCI H., Ghorbanpoor H., NURBAŞ M.  
X. International RD Brokerage Event, 8 - 09 Mart 2018
- XXI. **Rapid Prototyping of Whole-Thermoplastic Microfluidics**  
Mousavi Shaegh S. A. , AVCI H., Pourmand A., Zhang Y. S. , Khademhosseini A.  
3rd International Fiber and Polymer Research Symposium, 8 - 09 Mart 2018
- XXII. **Wearable Optical Fiber Sensor for Prolonged Continuous Glucose Monitoring at Point of Care**  
Haider B., AVCI H.  
X. International RD Brokerage Event, 8 - 09 Mart 2018
- XXIII. **Label-Free Glucose-Sensitive Optical Hydrogel Fibers**  
Haider B., AVCI H.  
X. International RD Brokerage Event, 8 - 09 Mart 2018
- XXIV. **İlaç Keşfi İçin Mikroakışkan Teknolojili Çip İçerisinde Kalp**  
AVCI H., Shin S. R. , Zhang Y. S. , Dokmeci M., Khademhosseini A.  
3rd International Fiber and Polymer Research Symposium, 8 - 09 Mart 2018
- XXV. **Development of Ballistic Hybrid Nonwovens by Impregnated with Nanocrystalline Particles**  
AVCI H., Gergeroglu H.  
X. International RD Brokerage Event, 8 - 09 Mart 2018
- XXVI. **Application of Activated Carbon to the Removal of Methylene Blue in Drinking Water**  
Adhami S., Ghorbanpoor H., NURBAŞ M., AVCI H.  
International Congress on Chemistry and Materials Science, 5 - 07 Ekim 2017
- XXVII. **Microfluidic Biosensor Integrated Organ-on-a-Chip System for Drug Discovery**  
AVCI H.  
International Congress on Chemistry and Materials Science, 5 - 07 Ekim 2017
- XXVIII. **Coaxial-Electrospun Core-Shell Nanofibers for Medical Application**  
NURBAŞ M., Ghorbanpoor H., AVCI H.  
13th Nanoscience and Nanotechnology Conference, 22 - 25 Ekim 2017
- XXIX. **An Effective Natural Approach to Synthesize Magnetic Nanoparticles**  
Ghorbanpoor h., AVCI H., NURBAŞ M.  
International Congress on Chemistry And Materials Science, 5 - 07 Ekim 2017
- XXX. **Production of Fiber Reinforced Lightweight Construction Material by Recycling of Paint Sludge**  
AVCI H., Ghorbanpoor H., TOPÇU İ. B. , NURBAŞ M.  
IX. International RD Brokerage Event, 27 - 28 Nisan 2017
- XXXI. **3D Örgülü ve Tavuk Tüyü Takviyeli Biyokompozitler**  
NURBAŞ M., Ghorbanpoor H., AVCI H.  
2nd International Fiber and Polymer Research Symposium, 27 - 28 Nisan 2017
- XXXII. **3D Örgülü Ve Tavuk Tüyü Takviyeli Biyokompozitler**  
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Toplam Atıf Sayısı (WOS):566

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