

## Prof. Esra Alverođlu Durucu

### Personal Information

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### Education Information

Doctorate, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Fizik Mühendisliđi Anabilim Dalı, Turkey 2003 - 2010

Postgraduate, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Fizik Mühendisliđi (YI) (Tezli), Turkey 2000 - 2003

Undergraduate, Anadolu Üniversitesi, Fen Fakóltesi, Fizik Bölümü, Turkey 1994 - 1998

### Foreign Languages

English

### Dissertations

Doctorate, Hafızalandırılmış Polimerik Jellerin Spektroskopik ve Elektriksel Özellikleri, İstanbul Teknik Üniversitesi, Fizik Mühendisliđi, Fizik Mühendisliđi, 2010

Postgraduate, Ark-Melting Yöntemi ile İntermetalik Alaşımların Hazırlanması ve Sentezlenmesi, İstanbul Teknik Üniversitesi, Fizik Mühendisliđi Bölümü, Fizik Mühendisliđi Bölümü, 2003

### Research Areas

Basic Sciences, Physics, Interdisciplinary Physics and Related Science and Technology Areas, Physical Chemistry, Materials Science, Condensed Matter 1: Structural, Mechanical and Thermal Properties, Structure of Liquids and Solids; Crystallography, Surfaces, Interfaces, Thin Films and Nanosystems, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties, Electronic structure of bulk material, Electrical properties of electronic structures, interfaces, thin films and low-dimensional structures, Magnetic Properties and Materials, Optical Properties, Spectroscopy of Matter, Electron and Ion Emission by Liquids and Solids, Electronic transport in condensed matter, Chemistry, Analytical Chemistry, Sensors, Spectroscopical Methods, Physical Chemistry, Conductive Polymers, nanocomposites, Polymeric Materials

### Academic Titles / Tasks

Lecturer PhD, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakóltesi, Fizik Mühendisliđi Bölümü, 2011 - 2014

Other, Imperial College Of Science, Technology And Medicine, Department Of Materials, Department Of Materials, 2012 - 2013

Research Assistant, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakóltesi, Fizik Mühendisliđi Bölümü, 2000 - 2010

## Academic and Administrative Experience

İstanbul Teknik Üniversitesi, Fen Edebiyat Fakültesi, 2017 - Continues

## Jury Memberships

Doctorate, Tez Savunma Jürisi, Anadolu Üniversitesi, October, 2017

Post Graduate, Yüksek Lisans Tezi savunma sınavı, İstanbul Teknik Üniversitesi, June, 2017

Post Graduate, Yüksek Lisans Tezi savunma sınavı, Yıldız Teknik Üniversitesi, June, 2016

Post Graduate, Yüksek Lisans Tezi savunma sınavı, İstanbul Teknik Üniversitesi, December, 2015

Competition, 2015 yılı TÜBİTAK Ortaöğretim Öğrencileri Arası Araştırma Projeleri Bölge Yarışması, TÜBİTAK, March, 2015

Post Graduate, Yüksek Lisans Tezi savunma sınavı, İstanbul Teknik Üniversitesi, May, 2014

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **3-D Modeling and Experimental Studies for a Thermionic Dispenser Cathode Activation Process**  
Atmaca N. Y. A. , Postaci E., Erciyas H., Gokcel O. A. , Nesil S., Billur E., Yayil F., Alveroğlu Durucu E.  
IEEE TRANSACTIONS ON ELECTRON DEVICES, vol.68, no.5, pp.2455-2460, 2021 (Journal Indexed in SCI)
- II. **A Practical Non-Enzymatic, Ultra-Sensitive Molybdenum Oxide (MoO<sub>3</sub>) Electrochemical Nanosensor for Hydroquinone**  
Pato A. H. , Balouch A., Alveroğlu Durucu E., Buledi J. A. , Lal S., Mal D.  
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.168, no.5, 2021 (Journal Indexed in SCI)
- III. **Selective and sensitive detoxification of toxic lead ions from drinking water using lead (II) ion-imprinted interpenetrating polymer linkage**  
Jagirani M. S. , Balouch A., Mahesar S. A. , Alveroglu E., Kumar A., Tunio A., Abdullah A.  
POLYMER BULLETIN, 2021 (Journal Indexed in SCI)
- IV. **Fabrication of nickel-tagged magnetic imprinted polymeric network for the selective extraction of Ni(II) from the real aqueous samples**  
Kumar S., Balouch A., Alveroğlu Durucu E., Jagirani M. S. , Abdullah A., Mughal M. A. , Mal D.  
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, 2021 (Journal Indexed in SCI)
- V. **Evaluation of the performance of a selective magnetite molecularly imprinted polymer for extraction of quercetin from onion samples**  
Abdullah A., Alveroglu E., Balouch A., Khan S., Mahar A. M. , Jagirani M. S. , Pato A. H.  
MICROCHEMICAL JOURNAL, vol.162, 2021 (Journal Indexed in SCI)
- VI. **Fabrication of silane-modified magnetic nano sorbent for enhanced ultrasonic wave driven removal of methylene blue from aqueous media: Isotherms, kinetics, and thermodynamic mechanistic studies**  
Abdullah A., Alveroğlu Durucu E., Balouch A., Mahar A. M.  
TURKISH JOURNAL OF CHEMISTRY, vol.45, no.1, pp.181-191, 2021 (Journal Indexed in SCI)
- VII. **Facile synthesis of nanogels modified Fe<sub>3</sub>O<sub>4</sub>@Ag NPs for the efficient adsorption of bovine & human serum albumin**  
Shah M. T. , Alveroğlu Durucu E.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.118, 2021 (Journal Indexed in SCI)
- VIII. **Fabrication of chromium-imprinted polymer: a real magneto-selective sorbent for the removal of Cr(vi) ions in real water samples**  
Kumar S., Alveroğlu Durucu E., Balouch A., Talpur F. N. , Jagirani M. S. , Abdullah A., Mahar A. M. , Pato A. H. , Mal D., Lal S.  
NEW JOURNAL OF CHEMISTRY, vol.44, no.43, pp.18668-18678, 2020 (Journal Indexed in SCI)
- IX. **Ultrasonic mediated synthesis of arsenic imprinted polymer and their analytical practicality as a selective sorbent for removal of toxic As(3+)ion from real samples**

Abdullah A., Alveroğlu Durucu E., Balouch A., Talpur F. N., Shah M. T., Kumar A., Mahar A. M., Jagirani M. S., Amina A.

JOURNAL OF POLYMER RESEARCH, vol.27, no.9, 2020 (Journal Indexed in SCI)

- X. **CNTs based Water soluble fluorescent sensor for selective detection of Fe<sup>3+</sup> ion**  
Rajar K., Alveroğlu Durucu E.  
MATERIALS RESEARCH BULLETIN, vol.124, 2020 (Journal Indexed in SCI)
- XI. **Effects of gel morphology on the lysozyme adsorption and desorption kinetics of temperature sensitive magnetic gel composites**  
Alveroglu E., İlker N., Shah M. T., Rajar K., Gökçeören A. T., KOÇ K.  
Colloids and Surfaces B: Biointerfaces, vol.181, pp.981-988, 2019 (Journal Indexed in SCI)
- XII. **Pyranine functionalized Fe<sub>3</sub>O<sub>4</sub> nanoparticles for the sensitive fluorescence detection of Cu<sup>2+</sup> ions**  
SHAH M. T., Alveroglu E., Balouch A.  
JOURNAL OF ALLOYS AND COMPOUNDS, vol.767, pp.151-162, 2018 (Journal Indexed in SCI)
- XIII. **Sensitive fluorescence detection of Ni<sup>2+</sup> ions using fluorescein functionalized Fe<sub>3</sub>O<sub>4</sub> nanoparticles**  
Shah M. T., Balouch A., Alveroglu E.  
JOURNAL OF MATERIALS CHEMISTRY C, vol.6, no.5, pp.1105-1115, 2018 (Journal Indexed in SCI)
- XIV. **Synthesis and characterization of magnetite nanoparticles having different cover layer and investigation of cover layer effect on the adsorption of lysozyme and bovine serum albumin**  
Shah M. T., Alveroglu E.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.81, pp.393-399, 2017 (Journal Indexed in SCI)
- XV. **Magnetic Properties and Cation Distribution of Bimetallic (Mn-Co) Doped NiFe<sub>2</sub>O<sub>4</sub> Nanoparticles**  
Baykala A., Eryigit S., Amir M., Gungunes H., Sozeri H., Shirsath S. E., Sertkol M., Asiri S. M.  
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.27, no.6, pp.1893-1900, 2017 (Journal Indexed in SCI)
- XVI. **Magnetic Properties of FeMnCo<sub>y</sub>Fe<sub>2-2y</sub>O<sub>4</sub>@Oleylamine Nanocomposite with Cation Distribution**  
Amir M., Korkmaz A. D., Baykal A., Geleri M., Sozeri H., Gungunes H., Sertkol M., Shirsath S. E.  
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.27, no.6, pp.1740-1749, 2017 (Journal Indexed in SCI)
- XVII. **Hydrogel covered bimetallic Co:Ni magnetic nano alloy for protein adsorption in biomedical application**  
Rajar K., Alveroglu E.  
Journal of Molecular Structure, vol.1146, pp.592-599, 2017 (Journal Indexed in SCI Expanded)
- XVIII. **Synthesis and characterization. of ZnS@Fe<sub>3</sub>O<sub>4</sub> fluorescent-magnetic bifunctional nanospheres**  
KOÇ K., KARAKUS B., Rajar K., Alveroglu E.  
SUPERLATTICES AND MICROSTRUCTURES, vol.110, pp.198-204, 2017 (Journal Indexed in SCI)
- XIX. **Camphor Sulfonic Acid Doped Poly(3-hexylthiophene) Nanofilms: Optical and Electrical Properties**  
AKTUNA S., Alveroglu E., KOÇ K.  
JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY, vol.17, no.1, pp.467-473, 2017 (Journal Indexed in SCI)
- XX. **One pot synthesis and characterization of Fe<sub>3</sub>O<sub>4</sub> Nanorod-PNIPAA Nanogel Composite for protein adsorption**  
Rajar K., KARAKUS B., KOÇ K., ALVEROGLU E.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.68, pp.59-64, 2016 (Journal Indexed in SCI)
- XXI. **How the internal structures of the imprinted and the random hydrogels change upon washing?**  
Yılmaz Y., GELİR A., ALVEROGLU E.  
JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, vol.80, no.1, pp.77-86, 2016 (Journal Indexed in SCI)
- XXII. **Magneto-optical properties Ba<sub>1-x</sub>Bi<sub>x</sub>La<sub>1-x</sub>Fe<sub>12-2x</sub>O<sub>19</sub> (0.0 ≤ x ≤ 0.5) hexaferrites**  
Auwal I. A., Baykal A., Guner S., Sertkol M., Sozeri H.  
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.409, pp.92-98, 2016 (Journal Indexed in SCI)
- XXIII. **Synthesis and investigation of poly(N-isopropylacrylamide-co-N-vinylcarbazole) hydrogels**

**morphological, fluorescence and electrical properties**

Gökçeören A. T., ALVEROGLU E.

JOURNAL OF MOLECULAR STRUCTURE, vol.1108, pp.25-32, 2016 (Journal Indexed in SCI)

- XXIV. **Tuning the gel size and LCST of N-isopropylacrylamide nanogels by anionic fluoroprobe**  
KOÇ K., ALVEROGLU E.  
COLLOID AND POLYMER SCIENCE, vol.294, no.2, pp.285-290, 2016 (Journal Indexed in SCI)
- XXV. **Adsorption and desorption studies of lysozyme by Fe<sub>3</sub>O<sub>4</sub>-polymer nanocomposite via fluorescence spectroscopy**  
Koc K., ALVEROGLU E.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1089, pp.66-72, 2015 (Journal Indexed in SCI)
- XXVI. **Doping effect of dodecyl benzene sulphonic acid in poly(3-hexylthiophene)-P3HT-films**  
Alveroglu E.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1086, pp.86-92, 2015 (Journal Indexed in SCI)
- XXVII. **Stabilisation of (3-mercaptopropyl)-trimethoxysilane capped ZnS nanocrystals in polyacrylamide hydrogel**  
Cakici M., ALVEROGLU E.  
INTERNATIONAL JOURNAL OF NANOTECHNOLOGY, vol.12, pp.142-153, 2015 (Journal Indexed in SCI)
- XXVIII. **Synthesis of Polyacrylamide Hydrogels as p-n-Junction With Ionic Charge Carriers**  
Alveroglu E., Yilmaz Y.  
POLYMER ENGINEERING AND SCIENCE, vol.54, no.12, pp.2799-2805, 2014 (Journal Indexed in SCI)
- XXIX. **Kinetics of ZnO nanoparticle formation via fluorescence measurements**  
Alveroglu E., YAVARINIA N., Yilmaz Y.  
JOURNAL OF LUMINESCENCE, vol.143, pp.741-745, 2013 (Journal Indexed in SCI)
- XXX. **Magnetic hydrogel with high coercivity**  
Sozeri H., ALVEROGLU E., Kurtan U., Senel M., Baykal A.  
MATERIALS RESEARCH BULLETIN, vol.48, no.8, pp.2751-2757, 2013 (Journal Indexed in SCI)
- XXXI. **Fluorescence and magnetic properties of hydrogels containing Fe<sub>3</sub>O<sub>4</sub> nanoparticles**  
Alveroglu E., SOZERI H., Baykal A., Kurtan U., Senel M.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1037, pp.361-366, 2013 (Journal Indexed in SCI)
- XXXII. **Magnetic and spectroscopic properties of Polyacrylamide-CoFe<sub>2</sub>O<sub>4</sub> magnetic hydrogel**  
Alveroglu E., SOZERI H., Kurtan U., Senel M., Baykal A.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1036, pp.386-391, 2013 (Journal Indexed in SCI)
- XXXIII. **Effects of temperature, stirring velocity and reactant concentration on the size and the optical properties of ZnO nanoparticles**  
Yavarinia N., ALVEROGLU E., CELEBIOGLU N., SIKLAR U., Yilmaz Y.  
JOURNAL OF LUMINESCENCE, vol.135, pp.170-177, 2013 (Journal Indexed in SCI)
- XXXIV. **Synthesis, Electrical and Magnetic Characterization of Polyacrylamide Hydrogels Including NiFe<sub>2</sub>O<sub>4</sub> Nanoparticles**  
Sozeri H., ALVEROGLU E., Kurtan U., Senel M., Baykal A.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.26, no.1, pp.213-218, 2013 (Journal Indexed in SCI)
- XXXV. **Estimation of the Generation and the Weight Fraction of Dense Polymer Regions in Heterogeneous Hydrogels**  
Alveroglu E., YILMAZ Y.  
MACROMOLECULAR CHEMISTRY AND PHYSICS, vol.212, no.14, pp.1451-1459, 2011 (Journal Indexed in SCI)
- XXXVI. **Controlling the Size and the Stability of Magnetic Clusters Formed in Polyacrylamide Hydrogels via Cobalt-Anionic Fluoroprobe Interactions**  
Gelir A., ALVEROGLU E., TULUN M., YILMAZ Y., SOZERI H.  
POLYMER ENGINEERING AND SCIENCE, vol.50, no.4, pp.843-850, 2010 (Journal Indexed in SCI)
- XXXVII. **Synthesis of p-and n-type Gels Doped with Ionic Charge Carriers**  
Alveroglu E., Yilmaz Y.

- NANOSCALE RESEARCH LETTERS, vol.5, no.3, pp.559-565, 2010 (Journal Indexed in SCI)
- XXXVIII. **Testing percolation theory in the laboratory: Measuring the critical exponents and fractal dimension during gelation**  
Yilmaz Y., GELİR A., ALVEROĞLU E., UYSAL N.  
PHYSICAL REVIEW E, vol.77, no.5, 2008 (Journal Indexed in SCI)
- XXXIX. **Superconductivity in the heusler alloy Pd<sub>2</sub>YbPb**  
Oner Y., KAMER O., ALVEROĞLU E., ACET A., KRENKE T.  
JOURNAL OF ALLOYS AND COMPOUNDS, vol.429, pp.64-71, 2007 (Journal Indexed in SCI)
- XL. **Low-field magnetic-properties of ErCo<sub>2</sub> intermetallic compound**  
Oner Y., ALVEROĞLU E., KAMER O.  
JOURNAL OF ALLOYS AND COMPOUNDS, vol.424, pp.60-66, 2006 (Journal Indexed in SCI)

## Books & Book Chapters

### I. **Polymer Gels from Biopolymers**

Alveroğlu Durucu E., Gelir A., Yılmaz Y.

in: Handbook of Biopolymer-Based Materials: From Blends and Composites to Gels and Complex Networks, Dominique D., Jyotishkumar P., Editor, Wiley Vch, Londra, pp.279-306, 2013

## Refereed Congress / Symposium Publications in Proceedings

- I. **Fonksiyonel Nanoparçacıkların Geliştirilmesi**  
ZENGİN E., ÖNDER S., KÖK F. N. , ALVEROĞLU DURUCU E.  
23. Biyomedikal Bilim ve Teknoloji Sempozyumu, Turkey, 15 - 16 December 2018
- II. **Synthesis Characterization of Cu Doped Fe<sub>3</sub>O<sub>4</sub> Magnetic Nanoparticles**  
Humalı E., ALVEROĞLU DURUCU E.  
14th Nanoscience and Nanotechnology Conference, Turkey, 22 - 25 September 2018
- III. **Enhancement of Infrared Phosphorescence Properties in Lithium Spinel Materials with Chromium Doped**  
Bosna S., ALVEROĞLU DURUCU E., SOLAK N.  
5th International Conference on the Physics of Optical Materials and Devices, Igalo, KARADAĞ, 27 - 31 August 2018
- IV. **Thin Films of Fluorescent N-isopropylacrylamide Nanogels: Optical Investigation**  
KOÇ K., ALVEROĞLU DURUCU E.  
III. International Turkish Congress on Molecular Spectroscopy, 26 - 29 August 2017
- V. **Co:Ni Magnetic Nano Alloy Covered via Polyacrylamide Hydrogel for Adsorption Evaluation of Bovine Serum Albumin**  
Rajar K., ALVEROĞLU DURUCU E.  
4th International conference on materials science and nanotechnology for next generation (MSNG2017), 28 - 30 June 2017
- VI. **Insitu Synthesis of Magnetic Nanoparticles in Various Sized Temperature and pH Sensitive Nanogels**  
Gürcüoğlu O., ALVEROĞLU DURUCU E.  
4th International conference on materials science and nanotechnology for next generation (MSNG2017), 28 - 30 June 2017
- VII. **Physical and Chemical Properties of Poly(N-isopropylacrylamide-co-N-vinycarbazole) Hydrogels**  
ALVEROĞLU DURUCU E., GÖKÇEÖREN A. T.  
4th International conference on materials science and nanotechnology for next generation (MSNG2017), 28 - 30 June 2017
- VIII. **Synthesis Characterization and Biomedical Applications of Magnetic Core-Shell Nano Composites**  
Shah M. T. , ALVEROĞLU DURUCU E.

4th International conference on materials science and nanotechnology for next generation (MSNG2017), 28 - 30 June 2017

- IX. **Physical Properties of Nano Sized Poly-N-isopropylacrylamide Hydrogels**  
ALVEROĞLU DURUCU E., KOÇ K.  
4th International conference on materials science and nanotechnology for next generation (MSNG2017), 28 - 30 June 2017
- X. **One Pot Synthesis and Characterization of Fe<sub>3</sub>O<sub>4</sub> Nanorods-PNIPANanogels Composite for Protein Adsorption**  
Rajar K., Karakuş B., KOÇ K., ALVEROĞLU DURUCU E.  
12th International Nanoscience and Nanotechnology Conference NanoTR-12, 3 - 05 June 2016
- XI. **Effects of Substrate Temperature on Camphor Sulfonic Acid Doped Poly 3 hexylthiophene Thin Films**  
Aktuna M. S. , KOÇ K., ALVEROĞLU DURUCU E.  
12th International Nanoscience and Nanotechnology Conference NanoTR-12, 3 - 05 June 2016
- XII. **Properties of Fe<sub>3</sub>O<sub>4</sub> ZnS Magnetic Fluorescent Bifunctional Nano Spheres**  
Karakuş B., Rajar K., KOÇ K., ALVEROĞLU DURUCU E.  
12th International Nanoscience and Nanotechnology Conference NanoTR-12, 3 - 05 June 2016
- XIII. **Effects of Imprinting on the Electrical Properties of PNIPA Hydrogels**  
ALVEROĞLU DURUCU E., YILMAZ Y.  
Hong Kong International Conference on Engineering and Applied Sciences (HKICEAS 2015), 16 - 18 December 2015
- XIV. **Tuning The Spectroscopic and Electrical Properties of Poly 3 Hexylthiophene**  
Aktuna M. S. , Bosna S., ALVEROĞLU DURUCU E.  
2nd International Nanoscience and Nanotechnology for Next Generation Conference (NaNoNG), 29 - 31 October 2015
- XV. **Synthesis and Characterization of Fluorescent Magnetic Bifunctional Nanostructure**  
Karakuş B., Rajar K., KOÇ K., ALVEROĞLU DURUCU E.  
2nd International Nanoscience and Nanotechnology for Next Generation Conference (NaNoNG), 29 - 31 October 2015
- XVI. **Insitu Synthesis and Characterization of Fe<sub>3</sub>O<sub>4</sub> Magnetite Nanoparticles in Temperature Sensitive Nanogel for Biomedical Application**  
Kausar R., Barış K., KOÇ K., ALVEROĞLU DURUCU E.  
2nd International Nanoscience and Nanotechnology for Next Generation Conference (NaNoNG), 29 - 31 October 2015
- XVII. **Optical Properties of Self assembled Thin Films of MPS capped CdS Quantum Dots Effect of MPS Concentration**  
KOÇ K., kar a., OKUTAN M., ALVEROĞLU DURUCU E.  
1stInternational Advanced and Functional Materials Technologies (AFMAT2015), 26 - 28 October 2015
- XVIII. **Adsorption and Desorption Studies of Lysozyme by Thermosensitive Fe<sub>3</sub>O<sub>4</sub> PNIPAM Nanocomposite via Fluorescence Spectroscopy**  
ALVEROĞLU DURUCU E., İlker N., GÖKÇEÖREN A. T. , KOÇ K.  
Diffusion Fundamentals VI, Dresden, 23 - 26 August 2015
- XIX. **Magnetic and fluorescence properties of cobalt implanted hydrogel**  
Sozeri H., GELİR A., ALVEROĞLU E., TULUN M., YILMAZ Y.  
International Conference on Superconductivity and Magnetism (ICSM), Side, Turkey, 25 - 29 August 2008, vol.153
- XX. **Swelling Behavior of Chemically Ion-Doped Hydrogels**  
Alveroglu E., GELİR A., YILMAZ Y.  
48th Microsymposium on Polymer Colloids - From Design to Biomedical and Industrial Applications, Prague, Czech Republic, 20 - 24 July 2008, vol.281, pp.174-180

## Supported Projects

Kök F. N. , Zengin E., Alveroğlu Durucu E., Project Supported by Higher Education Institutions, Biyoaktif ajanların kontrollü salımı, 2017 - 2019

Alveroğlu Durucu E., Project Supported by Higher Education Institutions, Application of thermoresponsive magnetic nano composite in protein immobilization, 2016 - 2018

Alveroğlu Durucu E., Project Supported by Higher Education Institutions, EFFECTS OF IMPRINTING ON THE ELECTRICAL PROPERTIES OF PNIPA HYDROGELS, 2015 - 2018

Alveroğlu Durucu E., Project Supported by Higher Education Institutions, Influence Of Dodecyl Benzene Sulphonic Acid On Structural And Electrical Properties Of P3HT:PCBM System, 2013 - 2018

Alveroğlu Durucu E., Project Supported by Higher Education Institutions, Fluorescence and Electrical Measurements for Studying Internal Morphology of Imprinted and Random PNIPA Gels, 2011 - 2018

Alveroğlu Durucu E., Project Supported by Higher Education Institutions, Yarıiletken Polimerlerin Elektriksel ve Spektroskopik Özelliklerini Etkileyen Faktörler, 2015 - 2016

Alveroğlu Durucu E., Project Supported by Higher Education Institutions, Organik Yarıiletken Malzemelerden Güneş Hücreleri Tasarımı, 2014 - 2016

## Scientific Refereeing

Synthetic Metals, SCI Journal, January 2018

Project Supported by Higher Education Institutions, December 2017

Project Supported by Higher Education Institutions, October 2017

Journal of Molecular Structure, SCI Journal, September 2017

Colloids and Surfaces B: Biointerfaces, SCI Journal, August 2017

Project Supported by Higher Education Institutions, August 2017

ANADOLU UNIVERSITY JOURNAL OF SCIENCE AND TECHNOLOGY , National Scientific Refreed Journal, April 2017

ACS Applied Materials & Interfaces, SCI Journal, April 2017

Materials Chemistry and Physics, SCI Journal, March 2017

Materials Science & Engineering C, SCI Journal, March 2017

TUBITAK Project, March 2017

TUBITAK Project, February 2017

TUBITAK Project, January 2017

Materials Science & Engineering C, SCI Journal, November 2016

Materials Science & Engineering C, SCI Journal, September 2016

ACS Applied Materials & Interfaces, SCI Journal, September 2016

Materials Science and Engineering C, SCI Journal, June 2016

Materials Science and Engineering C, SCI Journal, June 2016

Materials Science and Engineering C, SCI Journal, May 2016

Journal of Applied Polymer Science, SCI Journal, May 2016

TUBITAK Project, May 2016

Materials Science and Engineering C, SCI Journal, April 2016

Materials Science and Engineering C, SCI Journal, April 2016

Materials Science and Engineering C, SCI Journal, March 2016

TUBITAK Project, November 2015

Materials Chemistry and Physics, SCI Journal, October 2015

Journal of Applied Polymer Science, SCI Journal, October 2015

Journal of Applied Polymer Science, SCI Journal, August 2015

Journal of Applied Polymer Science, SCI Journal, July 2015

Journal of Applied Polymer Science, SCI Journal, May 2015

Journal of Applied Polymer Science, SCI Journal, May 2015

Journal of Applied Polymer Science, SCI Journal, October 2014  
Journal of Applied Polymer Science, SCI Journal, September 2014  
Project Supported by Higher Education Institutions, July 2014  
Journal of Applied Polymer Science, SCI Journal, June 2014  
Journal of Applied Polymer Science, SCI Journal, June 2014  
Project Supported by Higher Education Institutions, May 2014  
Project Supported by Higher Education Institutions, March 2014  
Journal of Applied Polymer Science, SCI Journal, February 2014  
Journal of Applied Polymer Science, SCI Journal, January 2014

## **Edit Congress and Symposium Activities**

III. International Turkish Congress on Molecular Spectroscopy, Attendee, Muğla, Turkey, 2017  
4th International conference on materials science and nanotechnology for next generation (MSNG2017), Session Moderator, Sarajevo, Bosnia And Herzegovina, 2017  
4th International conference on materials science and nanotechnology for next generation (MSNG2017), Attendee, Sarajevo, Bosnia And Herzegovina, 2017  
12th International Nanoscience and Nanotechnology Conference NanoTR-12, Attendee, Kocaeli, Turkey, 2016  
2015 Hong Kong International Conference on Engineering and Applied Sciences (HKICEAS 2015), Attendee, Kowloon, Hong Kong, 2015  
2015 Hong Kong International Conference on Engineering and Applied Sciences (HKICEAS 2015), Session Moderator, Kowloon, Hong Kong, 2015  
2nd International Nanoscience and Nanotechnology for Next Generation Conference (NaNONG), Attendee, Antalya, Turkey, 2015  
1st International Advanced and Functional Materials Technologies (AFMAT2015), Attendee, Antalya, Turkey, 2015  
Diffusion Fundamentals VI, Attendee, Dresden, Germany, 2015  
1st International Semiconductor Science and Technology Conference, Attendee, İstanbul, Turkey, 2014  
1st International Chemistry and Chemical Engineering Conference, Attendee, Baku, Azerbaijan, 2013  
Materials Department Postdoctoral Research Symp, Attendee, London, United Kingdom, 2012  
The Centre for Plastic Electronics Annual Lecture, Attendee, London, United Kingdom, 2012  
12th Conference on Methods and Applications of Fluorescence, Attendee, Strasbourg, France, 2011  
12. Ulusal Optik, Elektro-Optik ve Fotonik Çalıştayı, Attendee, İstanbul, Turkey, 2010  
2nd Greek-Turkish Conference on Statistical Mechanics and Dynamical Systems, Attendee, Rodos, Greece, 2010  
International Symposium on Organic and Inorganic Electronic Materials and Related Nanotechnologies-EM-NANO 2010, Attendee, Toyama, Japan, 2010  
14th Canadian Semiconductor Technology Conference, Attendee, Hamilton, Canada, 2009  
İTÜ Nano-Bilim ve Nano-Teknoloji Çalıştayı, Attendee, İstanbul, Turkey, 2009  
International Conference On Superconductivity and Magnetism (ICSM2008), Attendee, Antalya, Turkey, 2008  
Polymer Colloids: From Design to Biomedical and Industrial Applications, Attendee, Praha, Czech Republic, 2008  
4. Ulusal Nanobilim ve Nanoteknoloji Konferansı, Attendee, İstanbul, Turkey, 2008  
XXVIII European Congress on Molecular Spectroscopy, Attendee, İstanbul, Turkey, 2006  
International Conference on Nanoscale Magnetism, Attendee, İstanbul, Turkey, 2005  
İstanbul Teknik Üniversitesi 11. İstatistik Fizik Günleri, Attendee, İstanbul, Turkey, 2004  
Nanostructured Magnetic Materials and Their Applications (ARW NMMA-2003), Attendee, İstanbul, Turkey, 2003

## **Citations**

Total Citations (WOS):288

h-index (WOS):10



## Scholarships

2219, TUBITAK, 2012 - Continues