

# Prof. Ertuğrul ŞAHMETLİOĞLU

## Personal Information

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## Biography

Ertugrul Sahmetlioglu is a Professor at the Nanotechnology Research Center of Erciyes University Kayseri/Turkey. He received his B.S. degree at Erciyes University, Kayseri/Turkey in 1997. He had his M.S. and Ph.D. degrees at Nigde University in 2000 and 2004, respectively. He was a Postdoctoral Fellow at the Department of Chemistry at the Middle East Technical University, Ankara/Turkey, in 2005 for a year. and he did his postdoctorate studies as a visiting scholar in the Chemistry Department at the University of Florida in between 2012-2013 for a year. He worked at Chemistry department of Nigde University, Nigde/Turkey from 1998 to 2015. His research areas are electrochemical polymerization, conducting polymers, electrochromism, enzyme immobilization, oxidative polymerization, enzymatic oxidative polymerization, nanocomposites, nanocatalyzers, biodegradable polymers, carbon nanotubes and graphenes.

## Education Information

Post Doctorate, University of Florida, Faculty Of Science, Department Of Chemistry, United States Of America 2012 - 2013

Post Doctorate, Middle East Technical University, Fen Edebiyat Fakültesi, Kimya Bölümü, Turkey 2005 - 2006

Doctorate, Niğde Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Anabilimdalı, Turkey 2000 - 2004

Postgraduate, Niğde Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Anabilimdalı, Turkey 1997 - 2000

Undergraduate, Erciyes University, Fen Edebiyat Fakültesi, Kimya Bölümü, Turkey 1993 - 1997

## Foreign Languages

English, C1 Advanced

## Dissertations

Doctorate, İletken Aşı Kopolimerlerinin sentezi ver Bunların Enzim Tutuklama Matrisleri Olarak Kullanımları, Niğde Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Anabilimdalı, 2004

Postgraduate, Epoksi Reçinelerinin Üretimi, Bağlayıcı ver Yapıştırıcı Olarak Kullanımının Araştırılması, Niğde Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Anabilimdalı, 2000

## Research Areas

Basic Sciences, Chemistry, Physical Chemistry, Electrochemistry, Conductive Polymers, nanocomposites, Polymeric Films, Polymeric Materials

## Academic Titles / Tasks

Professor, Erciyes University, Mustafa Çıkrıkçıođlu Meslek Yüksek Okulu, Kimya Teknolojileri, 2017 - Continues  
Associate Professor, Erciyes University, Mustafa Çıkrıkçıođlu Meslek Yüksek Okulu, Kimya Teknolojileri, 2015 - 2017  
Associate Professor, Niđe Üniversitesi, Fen Edebiyat Fakültesi, Kimya Bölümü, 2012 - 2015  
Assistant Professor, Niđe Üniversitesi, Fen Edebiyat Fakültesi, Kimya Bölümü, 2005 - 2012  
Research Assistant PhD, Niđe Üniversitesi, Fen Edebiyat Fakültesi, Kimya Bölümü, 2004 - 2005  
Research Assistant, Niđe Üniversitesi, Fen Edebiyat Fakültesi, Kimya Bölümü, 1998 - 2004

## Academic and Administrative Experience

Director of Vocational School, Erciyes Üniversitesi, Safiye Çıkrıkçıođlu M.Y.O, 2018 - Continues  
Director of the Center, Erciyes Üniversitesi, 2017 - 2018  
Niđe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Anabilim Dalı, 2014 - 2015  
Niđe Üniversitesi, Fen Edebiyat Fakültesi, Kimya Bölümü, 2014 - 2015  
Niđe Üniversitesi, Fen Edebiyat Fakültesi, Kimya Bölümü, 2010 - 2012  
Niđe Üniversitesi, Fen Edebiyat Fakültesi, Kimya Bölümü, 2007 - 2008

## Advising Theses

ŞAHMETLİOĐLU E., İletken Polimer-Nanopartikül kompozitlerinin Sentezi ve Karakterizasyonu, Postgraduate, B.SEVİNÇ(Student), 2015  
ŞAHMETLİOĐLU E., İletken Polimer Nanokompozit Yapılarında Elektrolit Türü ve Konsantrasyonunun Polimerleşmeye Etkisi, Postgraduate, M.PELİT(Student), 2015  
ŞAHMETLİOĐLU E., Yeni Tip Fenoksi imin Türevli Monomerlerin Horseradish Peroksidaz enzimi (HRP) ile Oksidatif Polimerizasyonu, Postgraduate, P.YILDIRIM(Student), 2015  
ŞAHMETLİOĐLU E., Yeni Tip Fenol Türevli Monomerlerin Enzim Katalizörleriyle Oksidatif Polimerizasyonu, Postgraduate, S.TAPAN(Student), 2012  
ŞAHMETLİOĐLU E., Poly N-(3-aminofenil)-3-hidroksibenzoik asitin Sentezi ve Karakterizasyonu, Postgraduate, A.KOÇAK(Student), 2010  
ŞAHMETLİOĐLU E., Yeni Tip Azometin Fenol Türevi Yapıların Enzimatik Oksidatif Polimerizasyonu ile Sentezi ve Karakterizasyonu, Postgraduate, A.KÜMBÜL(Student), 2009  
ŞAHMETLİOĐLU E., N-(tiyofen-3-ilmetilen)piridin-4-amin ve pirlölün yeni tip iletken kopolimerinin sentezi ve karakterizasyonu, Postgraduate, Ö.BAYIR(Student), 2009

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Hybrid electrodes composed of graphitic carbon nitride and zeolitic imidazolate framework-67 for supercapacitor applications**  
Yetiman S., KILIÇ DOKAN F., ÖNSES M. S., Yılmaz E., ŞAHMETLİOĐLU E.  
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.46, no.15, pp.22730-22743, 2022 (SCI-Expanded)
- II. **Highly compressible binder-free sponge supercapacitor electrode based on flower-like NiO/MnO<sub>2</sub>/CNT**  
Pecenek H., KILIÇ DOKAN F., Onses M. S., Yılmaz E., Sahmetlioglu E.  
JOURNAL OF ALLOYS AND COMPOUNDS, vol.913, 2022 (SCI-Expanded)
- III. **Outstanding supercapacitor performance with intertwined flower-like NiO/ MnO<sub>2</sub>/CNT electrodes**  
Pecenek H., KILIÇ DOKAN F., ÖNSES M. S., Yılmaz E., ŞAHMETLİOĐLU E.  
MATERIALS RESEARCH BULLETIN, vol.149, 2022 (SCI-Expanded)

- IV. **Microwave-assisted fabrication of high-performance supercapacitors based on electrodes composed of cobalt oxide decorated with reduced graphene oxide and carbon dots**  
Yetiman S., Pecenek H., KILIÇ DOKAN F., ÖNSES M. S., Yilmaz E., ŞAHMETLİOĞLU E.  
Journal of Energy Storage, vol.49, 2022 (SCI-Expanded)
- V. **Effects of carbon nanomaterials and MXene addition on the performance of nitrogen doped MnO<sub>2</sub> based supercapacitors**  
Pecenek H., Yetiman S., KILIÇ DOKAN F., ÖNSES M. S., YILMAZ E., ŞAHMETLİOĞLU E.  
CERAMICS INTERNATIONAL, vol.48, no.5, pp.7253-7260, 2022 (SCI-Expanded)
- VI. **Electropolymerizations of two novel EDOT-BODIPY zinc oxide nanocomposites and evaluation of their in vitro antibacterial activities**  
Kilavuz E., Turac E., İlk S., ŞAHMETLİOĞLU E.  
POLYMERS FOR ADVANCED TECHNOLOGIES, vol.32, no.3, pp.1086-1100, 2021 (SCI-Expanded)
- VII. **Antibacterial, Antiviral, and Self-Cleaning Mats with Sensing Capabilities Based on Electrospun Nanofibers Decorated with ZnO Nanorods and Ag Nanoparticles for Protective Clothing Applications**  
Karagoz S., Burak Kiremitler N. B., Sarp G., Pekdemir S., Salem S., Goksu A., Serdar Onses M. S., Sözdutmaz İ., Sahmetlioglu E., Ozkara E. S., et al.  
ACS APPLIED MATERIALS & INTERFACES, vol.13, no.4, pp.5678-5690, 2021 (SCI-Expanded)
- VIII. **Synthesis of Ag and TiO<sub>2</sub> modified polycaprolactone electrospun nanofibers (PCL/TiO<sub>2</sub>-Ag NFs) as a multifunctional material for SERS, photocatalysis and antibacterial applications**  
Karagoz S., KİREMİTLER N. B., ŞAKİR M., Salem S., ÖNSES M. S., Sahmetlioglu E., CEYLAN A., YILMAZ E.  
ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY, vol.188, 2020 (SCI-Expanded)
- IX. **Photocatalytic green fabrication of Au nanoparticles on ZnO nanorods modified membrane as flexible and photocatalytic active reusable SERS substrates**  
ŞAKİR M., Salem S., Sanduvac S. T., Sahmetlioglu E., SARP G., ÖNSES M. S., YILMAZ E.  
COLLOIDS AND SURFACES A-PHYSCOCHEMICAL AND ENGINEERING ASPECTS, vol.585, 2020 (SCI-Expanded)
- X. **Synthesis of gold and silver nanoparticles using flavonoid quercetin and their effects on lipopolysaccharide induced inflammatory response in microglial cells**  
Ozdal Z. D., ŞAHMETLİOĞLU E., NARİN İ., CUMAOĞLU A.  
3 BIOTECH, vol.9, no.6, 2019 (SCI-Expanded)
- XI. **Alternative Approach for Synthesizing Polyglycolic Acid Copolymers from Cl Feedstocks and Fatty Ester Epoxides**  
Reyhanoglu Y., ŞAHMETLİOĞLU E., Gokturk E.  
ACS SUSTAINABLE CHEMISTRY & ENGINEERING, vol.7, no.5, pp.5103-5110, 2019 (SCI-Expanded)
- XII. **Eco-Friendly Fabrication of Plasmonically Active Substrates Based on End-Grafted Poly(ethylene glycol) Layers**  
Ocal S. K., Pekdemir S., Serhatlioglu M., Ipekci H. H., Şahmetlioglu E., Narin İ., Duman F., Elbuken C., Demirel G., Önses M. S.  
ACS SUSTAINABLE CHEMISTRY & ENGINEERING, vol.7, pp.4315-4324, 2019 (SCI-Expanded)
- XIII. **Horseradish peroxidase-catalyzed polymerization of ortho-imino-phenol: Synthesis, characterization, thermal stability and electrochemical properties Horseradish peroxidase-catalyzed polymerization of ortho-imino-phenol**  
Topal Y., Tapan S., Gokturk E., ŞAHMETLİOĞLU E.  
Journal of Saudi Chemical Society, vol.21, no.6, pp.731-740, 2017 (SCI-Expanded)
- XIV. **Environmentally friendly enzyme-catalyzed polymerization of a novel phenoxy-ketimine**  
Tapan S., ŞAHMETLİOĞLU E., Demir H. O., Turac E., Sahin E.  
Environmental Engineering and Management Journal, vol.16, no.7, pp.1457-1463, 2017 (SCI-Expanded)
- XV. **Magnetic conductive polymer-graphene nanocomposites based supercapacitors for energy storage**  
Yanik M. O., Yigit E. A., Akansu Y. E., ŞAHMETLİOĞLU E.  
Energy, vol.138, pp.883-889, 2017 (SCI-Expanded)
- XVI. **Chemoenzymatic polymerization of hydrazone functionalized phenol**  
Isçi İ., Gokturk E., Turac E., ŞAHMETLİOĞLU E.

- Polymer Science - Series B, vol.58, no.4, pp.411-420, 2016 (SCI-Expanded)
- XVII. **Chemoenzymatic polycondensation of para-benzylamino phenol**  
Yildirim P., Gokturk E., Turac E., Demir H. O., ŞAHMETLİOĞLU E.  
Chemical Papers, vol.70, no.5, pp.610-619, 2016 (SCI-Expanded)
- XVIII. **Silicon Acetal Metathesis Polymerization**  
Sahmetlioglu E., Ha Thi Hoang Nguyen H. T. H. N., Nsengiyumva O., Gokturk E., Miller S. A.  
ACS MACRO LETTERS, vol.5, no.4, pp.466-470, 2016 (SCI-Expanded)
- XIX. **Synthesis, characterization, thermal stability and electrochemical properties of ortho-imine-functionalized oligophenol via enzymatic oxidative polycondensation**  
Kumbul A., Gokturk E., ŞAHMETLİOĞLU E.  
Journal of Polymer Research, vol.23, no.3, pp.1-11, 2016 (SCI-Expanded)
- XX. **Preparation and characterization of magnetic allylamine modified graphene oxide-poly(vinyl acetate-co-divinylbenzene) nanocomposite for vortex assisted magnetic solid phase extraction of some metal ions**  
KHAN M., YILMAZ E., SEVINC B., Sahmetlioglu E., SHAH J., JAN M. R., SOYLAK M.  
TALANTA, vol.146, pp.130-137, 2016 (SCI-Expanded)
- XXI. **Synthesis and characterization of imine-functionalized polyphenol via enzymatic oxidative polycondensation of a bisphenol derivative**  
Kocak A., Kumbul A., Gokturk E., Sahmetlioglu E.  
Polymer Bulletin, vol.73, no.1, pp.163-177, 2016 (SCI-Expanded)
- XXII. **Enzymatic oxidative polymerization of para-imine functionalized phenol catalyzed by horseradish peroxidase**  
KUMBUL A., Gokturk E., TURAC E., Sahmetlioglu E.  
POLYMERS FOR ADVANCED TECHNOLOGIES, vol.26, no.9, pp.1123-1129, 2015 (SCI-Expanded)
- XXIII. **Synthesis of Conducting Polymer/Zinc Sulfide Nanocomposite Films and Investigation of Their Electrochemical and Morphological Properties**  
TURAC E., Sahmetlioglu E., Gokturk E.  
ADVANCES IN POLYMER TECHNOLOGY, vol.34, no.1, 2015 (SCI-Expanded)
- XXIV. **Polypyrrole/multi-walled carbon nanotube composite for the solid phase extraction of lead(II) in water samples**  
ŞAHMETLİOĞLU E., YILMAZ E., AKTAŞ E., SOYLAK M.  
TALANTA, vol.119, pp.447-451, 2014 (SCI-Expanded)
- XXV. **Synthesis and Characterization of Conducting Copolymers of Thiophene Derivatives**  
TURAC E., Sahmetlioglu E., Toppare L.  
JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, vol.51, no.3, pp.210-216, 2014 (SCI-Expanded)
- XXVI. **Synthesis and characterization of conducting copolymer of Trans-1-(4-methyl-3'-thienyl)-2-(ferrocenyl)ethene with EDOT**  
TURAC E., Sahmetlioglu E., DEMIRCAN A., Toppare L.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.126, no.3, pp.808-814, 2012 (SCI-Expanded)
- XXVII. **Synthesis and characterization of poly{2-[3-(1H-pyrrol-2-yl)phenyl]-1H-pyrrole} and its copolymer with EDOT**  
TURAC E., Ak M., Sahmetlioglu E., ŞENER M. K., Kaya M. A.  
RUSSIAN JOURNAL OF GENERAL CHEMISTRY, vol.81, no.12, pp.2510-2516, 2011 (SCI-Expanded)
- XXVIII. **Synthesis and Characterization of Conducting Copolymers of Quinoxaline Derivatives**  
TURAC E., Sahmetlioglu E., Toppare L., YURUK H.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.120, no.3, pp.1713-1719, 2011 (SCI-Expanded)
- XXIX. **Synthesis and characterization of conducting copolymer of (N (1),N (3)-bis(thiophene-3-ylmethylene)benzene-1,3-diamine-co-3,4-ethylenedioxythiophene)**  
KUMBUL A., TURAC E., DURSUN T., Sahmetlioglu E.  
CHEMICAL PAPERS, vol.64, no.1, pp.114-117, 2010 (SCI-Expanded)

- XXX. **Synthesis, Characterization and Optoelectrochemical Properties of Poly(2,5-di(thiophen-2-yl)-1-(4-(thiophen-3-yl)phenyl)-1H-pyrrole-co-EDOT)**  
TURAC E., Sahmetioglu E., Toppare L., YURUK H.  
DESIGNED MONOMERS AND POLYMERS, vol.13, no.3, pp.261-275, 2010 (SCI-Expanded)
- XXXI. **Oxidative polymerization of 4-[(4-phenylazo-phenylimino)-methyl]-phenol catalyzed by horseradish peroxidase**  
TURAC E., Sahmetioglu E.  
SYNTHETIC METALS, vol.160, pp.169-172, 2010 (SCI-Expanded)
- XXXII. **Synthesis and Characterization of Conducting Copolymers of Bisphenol A-Diglycidyl Ether with Thiophene Side-Groups and Pyrrole**  
Sahmetioglu E., VAROL R., Toppare L., YURUK H.  
JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, vol.46, no.6, pp.584-590, 2009 (SCI-Expanded)
- XXXIII. **Synthesis and characterization of water-soluble oligosalicylaldehyde-sulfanilic acid and its Cu(II), Co(II), Pb(II) complexes**  
Turaç E., Sürme Y., Şahmetioğlu E., Varol R., NARİN I., Toppare L.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.110, no.1, pp.564-568, 2008 (SCI-Expanded)
- XXXIV. **Synthesis, characterization and optoelectrochemical properties of poly(1,6-bis(2,5-di(thiophen-2-yl)-1H-pyrrol-1-yl)hexane) and its copolymer with EDOT**  
Ak M., Sahmetioglu E., Toppare L.  
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol.621, no.1, pp.55-61, 2008 (SCI-Expanded)
- XXXV. **Synthesis, electrochemical, and antibacterial activity of some novel N(4)O(2) ligand derivatives**  
Demir I., Sahmetioglu E., Celik G. Y., Unal M.  
RUSSIAN JOURNAL OF GENERAL CHEMISTRY, vol.78, no.7, pp.1458-1462, 2008 (SCI-Expanded)
- XXXVI. **Electrochromic properties of poly (1-(phenyl)-2,5-di(2-thienyl)-1H-pyrrole-co-3,4-ethylenedioxy thiophene) and its application in electrochromic devices**  
Tarkuc S., Sahmetioglu E., TANYELİ C., Akhmedov I. M., TOPPARE L. K.  
OPTICAL MATERIALS, vol.30, no.10, pp.1489-1494, 2008 (SCI-Expanded)
- XXXVII. **Fine tuning of color via copolymerization and its electrochromic device application**  
ÇAMURLU P., Sahmetioglu E., Sahin E., Akhmedov I. M., TANYELİ C., Toppare L.  
THIN SOLID FILMS, vol.516, no.12, pp.4139-4144, 2008 (SCI-Expanded)
- XXXVIII. **Multichromic conducting copolymer of 1-benzyl-2,5-di(thiophen-2-yl)-1H-pyrrole with EDOT**  
ÇAMURLU P., Tarkuc S., Sahmetioglu E., Akhmedov I. M., TANYELİ C., Toppare L.  
SOLAR ENERGY MATERIALS AND SOLAR CELLS, vol.92, no.2, pp.154-159, 2008 (SCI-Expanded)
- XXXIX. **Electrochemical Synthesis of a Water-Soluble and Self-Doped Polythiophene Derivative**  
TURAC E., VAROL R., Ak M., Sahmetioglu E., Toppare L.  
DESIGNED MONOMERS AND POLYMERS, vol.11, no.4, pp.309-317, 2008 (SCI-Expanded)
- XL. **Immobilization of tyrosinase and alcohol oxidase in conducting copolymers of thiophene functionalized poly(vinyl alcohol) with pyrrole**  
YILDIZ H. B., Sahmetioglu E., BOYUKBAYRAM A. E., TOPPARE L., YAGCI Y.  
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.41, no.3, pp.332-337, 2007 (SCI-Expanded)
- XLI. **Preparation of conductive polybenzoxazines by oxidative polymerization**  
KISKAN B., YAGCI Y., Sahmetioglu E., TOPPARE L.  
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.45, no.6, pp.999-1006, 2007 (SCI-Expanded)
- XLII. **Electrochromic properties of a soluble conducting polymer of 1-benzyl-2,5-di(thiophene-2-yl)-1H-pyrrole**  
TARKUC S., Sahmetioglu E., TANYEH C., AKHMEDOV I. M., TOPPARE L.  
SENSORS AND ACTUATORS B-CHEMICAL, vol.121, no.2, pp.622-628, 2007 (SCI-Expanded)
- XLIII. **Synthesis and characterization of conducting graft copolymers based on oligophenols**  
Sahmetioglu E., ARIKAN U., TOPPARE L., YURUK H., MART H.  
JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, vol.43, no.10, pp.1523-1530,

2006 (SCI-Expanded)

- XLIV. **Synthesis and characterization of a new soluble conducting polymer and its electrochromic devices**  
SAHİN E., Sahmetiöglü E., AKHMEDOV I. M., TANYELİ C., TOPPARE L.  
ORGANIC ELECTRONICS, vol.7, no.5, pp.351-362, 2006 (SCI-Expanded)
- XLV. **A soluble conducting polymer: 1-phenyl-2,5-di(2-thienyl)-1H-pyrrole and its electrochromic application**  
TARKUC S., Sahmetiöglü E., TANYELİ C., AKHMEDOV I. M., TOPPARE L.  
ELECTROCHIMICA ACTA, vol.51, no.25, pp.5412-5419, 2006 (SCI-Expanded)
- XLVI. **Immobilization of invertase and glucose oxidase in conducting copolymers of thiophene functionalized poly(vinyl alcohol) with pyrrole**  
Sahmetiöglü E., YURUK H., TOPPARE L., Cianga I., YAGCI Y.  
REACTIVE & FUNCTIONAL POLYMERS, vol.66, no.3, pp.365-371, 2006 (SCI-Expanded)
- XLVII. **Synthesis and characterization of oligosalicylaldehyde-based epoxy resins**  
Sahmetiöglü E., MART H., YURUK H., SURME Y.  
CHEMICAL PAPERS-CHEMICKE ZVESTI, vol.60, no.1, pp.65-68, 2006 (SCI-Expanded)
- XLVIII. **Synthesis and characterization of conducting copolymers of poly(vinyl alcohol) with thiophene side-groups and pyrrole**  
Sahmetiöglü E., YURUK H., TOPPARE L., CIANGA I., YAGCI Y.  
POLYMER INTERNATIONAL, vol.53, no.12, pp.2138-2144, 2004 (SCI-Expanded)
- XLIX. **Synthesis and properties of novel Schiff base oligomers based on oligo-4-hydroxybenzaldehyde**  
MART H., SAKAK M., YURUK H., Sahmetiöglü E., VILAYETOGLU A. R.  
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.42, no.5, pp.1120-1125, 2004 (SCI-Expanded)

## Articles Published in Other Journals

- I. **4' (N-(Tiyofen-3-il metilen) benzenamin)-15- $\alpha$ -5 eter ile 3,4-etilendioksitiyofen İletken Kopolimerinin Sentezi ve Karakterizasyonu**  
IŞGIN E. Ş., ŞAHMETLİOĞLU E., TURAÇ E., Demir İ.  
BAÜ Fen Bil. Enst. Dergisi, vol.15, no.1, pp.50-56, 2012 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Raman Spectroscopy: A Novel Experimental Approach to Evaluating Cisplatin Induced Tissue Damage**  
YAY A. H., ŞAHMETLİOĞLU E., ceyhan a., PEKDEMİR S., ÖNDER G. Ö., SEZER G., SOYER SARICA Z., ÖNSES M. S.  
International Congress on Biological and Medical Sciences 2018, 31 October - 03 November 2018
- II. **Nature-derived renewable polymers to replace commodity plastics**  
NSENGIYUMVA O., ŞAHMETLİOĞLU E., Ha Thi Hoang Nguyen H. T. H. N., Gokturk E., MILLER S.  
255th National Meeting and Exposition of the American-Chemical-Society (ACS) - Nexus of Food, Energy, and Water, Louisiana, United States Of America, 18 - 22 March 2018, vol.255
- III. **Synthesis methacrylamide/divinylbenzene/graphite composite for separation and preconcentration of some trace elements**  
NARİN I., Bozdag A., ŞAHMETLİOĞLU E., SOYLAK M.  
PCM 2017, Guanzhou, China, 23 May - 25 July 2017, pp.47-48
- IV. **Poliakrilamid Modifiye Edilmiş SiO<sub>2</sub>/Fe<sub>3</sub>O<sub>4</sub>/Nanoelmas Hibrit Materyalinin Sentezi, Karakterizasyonu ve Eser Düzeydeki Pb(II) İyonlarının Manyetik Katı Faz Ekstraksiyonunda Kullanılması**  
YILMAZ E., ŞAHMETLİOĞLU E., DURAN A., SOYLAK M.  
Uluslararası Katılımlı XV. Ulusal Spektroskopi Kongresi, 17 - 19 May 2017

- V. **Synthesis, Characterization and Catalytic Properties of Carbonnanotube/GrapheneOxide/Polypyrrole/Magnetic Ferrite/ Palladium (CNT/Go/PP/Fe/Pd) Nano CompositeCatalyst**  
YILMAZ E., ERDOĞAN S., ŞAHMETLİOĞLU E., SOYLAK M.  
Ecology 2017 International Symposium, Kayseri, Turkey, 11 - 13 May 2017, pp.321
- VI. **Magnetic Graphene Oxide Modified by Deep Eutectic Solvents as Adsorbents for Solid-Phase Extraction: A Novel Approach Extraction of Deksketoprofen and Paracetamol with HPLC**  
YUVALI D., NARİN İ., ŞAHMETLİOĞLU E.  
İvek 2017, 26 - 29 April 2017, pp.483
- VII. **Chemoenzymatic Polymerizations of Imine and Hydrazone Functionalized Phenols as a Green Route**  
ŞAHMETLİOĞLU E., Göktürk E., YETİM H.  
6th International Chemistry Conference, Riyad, Saudi Arabia, 8 - 10 November 2016, pp.1
- VIII. **Synthesis of gold and silver nanoparticles using flavonoidquercetin and their affects on lipopolisaccaride induced inflammatory response in microglial cells**  
özdal d. z., CUMAOĞLU A., ŞAHMETLİOĞLU E., NARİN İ.  
NanoNG16, 20 - 22 October 2016
- IX. **Synthesis of gold and silver nanoparticles using flavonoid quercetin and their effects on lipopolisaccaride induced inflammatory response in microglial cells**  
ozdal z. d., CUMAOĞLU A., ŞAHMETLİOĞLU E., NARİN İ.  
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