

## Personal Information

Email: esezer@itu.edu.tr

## Education Information

Doctorate, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, Turkey 1991 - 1997

Post Graduate, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, Turkey 1989 - 1991

## Foreign Languages

English

## Dissertations

Doctorate, N-Karbazollerin yükseltgen polimerizasyon, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 1997

Post Graduate, Diğer metallerle karşılaştırmalı olarak piritin (FeS<sub>2</sub>) korozyon davranışı üzerinde bazı maddelerin etkisi, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 1991

## Research Areas

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

## Academic Titles / Tasks

Professor, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 1991 - Continues

## Professional Experience

Vice Dean, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2005 - 2008

## Jury Memberships

Associate Professor Exam, Doçentlik Sınav Jürisi, ÜAK, Nisan 2016, İstanbul Teknik Üniversitesi, April, 2016

Associate Professor Exam, Doçentlik Sınav Jürisi, ÜAK, Ekim 2013, İstanbul Teknik Üniversitesi, October, 2013

Associate Professor Exam, Doçentlik Sınav Jürisi, ÜAK, Ekim 2013, İstanbul Teknik Üniversitesi, October, 2013

Associate Professor Exam, Doçentlik Sınav Jürisi, ÜAK, Ekim 2013, İstanbul Teknik Üniversitesi, October, 2013

Associate Professor Exam, Doçentlik Sınav Jürisi, ÜAK, Mayıs 2013, İstanbul Teknik Üniversitesi, May, 2013

## Refereed Congress / Symposium Publications in Proceedings

- **Synthesis, Properties and Applications of Triphenylamine, Thienothiophene and Dithienothiophene Based Organic Materials**

Sezer E., Topal S., Şavluğ İpek Ö., Öztürk T.

İstanbul International Organic Electronic Symposium, İstanbul, Turkey, 2 - 04 December 2019, pp.58-61

- **Pirol ve Tiyofen Sonlu Sikloheksanon Formaldehit Reçinesi Kopolimerlerinin Çeliğin Korozyonunu Önlemedeki Etkileri**  
ATEŞ Güvel E., Kızılcan N., Ustamehmetoğlu B., Sezer E.  
KORSEM'18 XV. International Corrosion Symposium,, Hatay, Turkey, 26 - 28 September 2018, pp.161
- **Polipirolün NaCl Ve H2SO4 Ortamında Çeliğin Korozyonunu Önlemedeki Etkilerinin Karşılaştırmalı İncelenmesi**  
GUVEL E. A. , Kızılcan N., Ustamehmetoğlu B., Sezer E.  
KORSEM'18 XV. International Corrosion Symposium,, Hatay, Turkey, 26 - 28 September 2018, pp.162
- **Soluble phthalocyanines containing carbozole moieties**  
Yenilmez H. Y. , Sezer E., Ustamehmetoğlu B., Bayır Z.  
Eighth International Conference on Porphyrins and Phthalocyanines, İstanbul, Turkey, 22 - 27 June 2014, pp.563
- **The Importance of Reduction Methods and Ratio of PVP for Composite Polyacrylonitrile-Silver Nanofiber**  
DEMIRSOY N., Uçar N., Önen H. A. , Kızıldağ N., VURUR O. F. , EREN O., Sezer E., Taşcan M., KARACAN İ., Ustamehmetoğlu B.  
Autex 2014, 14th World Textile Conference, Bursa, Turkey, 26 - 28 May 2014, pp.1-5
- **Conducting polyacrylonitrile (PAN) / polyaniline (PANI) composite nanofibers produced by electrospinning method**  
Kızıldağ N., Uçar N., DEMIRSOY N., EREN O., KARACAN İ., Sezer E., Ustamehmetoğlu B.  
The Fiber Society Spring 2014 Conference, Liberec, Czech Republic, 21 - 23 May 2014, pp.1-5
- **The Effect of Modified CNT and Processing Parameters on Properties of CNT-PAN Composite Nanofiber Web**  
EREN O., Uçar N., Önen H. A. , Açıkgöz Tufan H., Kızıldağ N., KARACAN İ., Sezer E., Taşcan M., Ustamehmetoğlu B.  
XIII th International İzmir Textile and Apparel Symposium, Antalya, Turkey, 2 - 05 April 2014, pp.1-5
- **Corrosion Inhibition Performance of Block Copolymer of Py with Silicon Tegomer**  
Ustamehmetoğlu B., Aydın H., Sezer E., Kızılcan N.  
KORSEM '10, XII International Corrosion Symposium, Eskişehir, Turkey, 6 - 09 November 2010, pp.178-185
- **Conducting Polymers as Anticorrosive Additives in Paint**  
Sezer E., Aydın H., Ustamehmetoğlu B., Kızılcan N.  
KORSEM '10, XII International Corrosion Symposium, Eskişehir, Turkey, 6 - 09 November 2010, no.332, pp.6-9
- **Nanoyapılı İletken Yüzey Kaplamalar**  
Sezer E., Ustamehmetoğlu B., Kızılcan N., Erbil C., SARAC A.  
İTÜ Nano-Bilim ve Nano-Teknoloji Çalıştayı, İstanbul, Turkey, 12 - 13 February 2009, pp.46
- **Corrosion Inhibition of Stainless Steel by Using 4-(2-diethylamino-ethylsulfonyl)-phthalonitrile and 4,5-bis(hexylsulfonyl)-phthalonitrile**  
Sezer E., Ustamehmetoğlu B., Bayır Z., Çoban K., Kalkan Burat A.  
The European Corrosion Congress Progress by Corrosion Control (EUROCORR-2007), Freiburg, Germany, 9 - 13 September 2007, pp.1-3

## Supported Projects

Sezer E., Project Supported by Higher Education Institutions, Polianilin/Seryum dioksit (CeO2) nanokompozit katkılı kaplamalar ile alüminyum ve karbon çelik metallerinin korozyonunun önlenmesi, 2015 - 2019

Sezer E., Project Supported by Higher Education Institutions, Elektrostatik Boya Uygulamaları İçin İletken Poliamit Karbon Siyahı/Karbon Fiber/Karbon Nano Tüp Kompozitleri, 2013 - 2019

Sezer E., Project Supported by Higher Education Institutions, CeO2-İLETKEN POLİMER NANOKOMPOZİT ESASLI KOROZYON ÖNLEYİCİ KAPLAMALAR, 2010 - 2019

Sezer E., Project Supported by Higher Education Institutions, Bis-(Tiyenotiyofen) Bitiyazol Sentezi ve Elektopolimerizasyonu, 2015 - 2018

Sezer E., Project Supported by Higher Education Institutions, Tiyazol ve Karbazol İçeren Polimerlerin Sentezi ve Karakterizasyonu, 2012 - 2018

Sezer E., Project Supported by Higher Education Institutions, Polianilin/CeO2 Nanokompozit Kaplamaların Antikorozyon

Etkileri, 2009 - 2018

Sezer E., Project Supported by Higher Education Institutions, Keton Bazlı Reçinelerin Korozyon Önlemedeki Etkileri, 2008 - 2018

Sezer E., Project Supported by Higher Education Institutions, 4-(2-Dietilamino -Etilsulfonil)-Ftalonitril ve 4,5-Bis (Hekzilsulfonil)-Fthalonitril ile Çeliğin Korozyonunun Önlenmesi, 2007 - 2018

Sezer E., Project Supported by Higher Education Institutions, 4-(2-Tiyenil)-İndolün Sentezi ve Elektrokimyasal Polimerizasyonu, 2006 - 2018

Sezer E., Project Supported by Higher Education Institutions, 6(-2- Tiyenil) İndolün Sentezi ve Elektrokimyasal Polimerizasyonu, 2005 - 2018

Sezer E., Project Supported by Higher Education Institutions, 3,6 - Bis (2-Tienil) -N-etil Karbazolün İn-Situ Katı iletkenlik ve Voltametik İncelenmesi, 2004 - 2018

Sezer E., Project Supported by Higher Education Institutions, Karbon Çeliğin Korozyonunu Önlemede Film Yapıcı Poliaminlerin Etkilerinin İncelenmesi, 2010 - 2015

Sezer E., Project Supported by Higher Education Institutions, Tekstil Taşıyıcı Üzerine iletken polimer Sentezi ve Elektriksel İletkenliklerin İncelenmesi, 2010 - 2015

Sezer E., Project Supported by Higher Education Institutions, Nikel Kaplama Çözeltilerinde Yardımcı Kimyasalların Etkilerinin Elektrokimyasal Metotlarla İncelenmesi, 2010 - 2015

Sezer E., Project Supported by Higher Education Institutions, POLİ(N-VİNİL KARBOZAL, POLİAN, LİN VE BUNLARIN OKSİT NANOPARÇACIK KOMPOZİTLERİ İLE ANTİKOROZİF KAPLAMALAR, 2009 - 2010

Sezer E., Project Supported by Higher Education Institutions, Reçine iletken Polimer Esaslı Kompozit ve Kopolimer Kaplamalar ile Korozyon önlenmesi, 2009 - 2010

Sezer E., Project Supported by Higher Education Institutions, İndol-Karbazol, İndol-Tiyofen Komonomerlerinin Sentezi, Polimerizasyonu ve Karakterizasyonları, 2008 - 2008

Sezer E., Project Supported by Higher Education Institutions, Suda ve Organik Çözücülerde Çözünebilen Polianilinlerin Sentezi ve Karakterizasyonu, 2005 - 2008

Sezer E., Project Supported by Higher Education Institutions, İnce Polianilin Filmlerin Sentezi ve Karakterizasyonu, 2006 - 2007

Sezer E., Project Supported by Higher Education Institutions, Formaldehit Bazlı Reçine Kaplamalarla Paslanmaz Çelik ve Bakırın Korozyonunun Önlenmesi, 2006 - 2007

Sezer E., Project Supported by Higher Education Institutions, Karbozol ve Tiyofen Türevlerine Dayalı Yeni Kopolimerlerin Sentezi ve Karakterizasyonu, 1998 - 2004

## Invited Congress and Symposium Activities

Synthesis and Electropolymerization of Bis(phenylthieno[3,2-b]thiophenes) -(4,4 '-dinonyl-2,2 '-bithiazole) co-monomer, Attendee, Karlsruhe, Germany, 2015

Synthesis and Characterization of Dithienothiophene/Bithiazole/Thiophene Containing Polymer, Attendee, Germany, 2015

Corrosion behaviour of single and multilayer nickel and chromated nickel electrodeposits, Attendee, Turkey, 2012

Effect of Conductive polymers As additive in protective coatings, Attendee, Turkey, 2012

Protective Coating Based on Cerium Oxide Conducting Polymer Composites, Attendee, Turkey, 2012

The Effects of Triple Bond and Pyridine containing Organic Additives on Corrosion Behavior of Nickel Electroplating, Attendee, Turkey, 2012

Synthesis and Characterization of Ethylcarbazole and Thiazole Containing Polymers, Attendee, Hungary, 2012

Investigation the effect of film forming amines on the corrosion inhibition of carbon steel, Attendee, Hungary, 2012

Investigation the effect of film forming amines on the corrosion inhibition of carbon steel, Attendee, Stockholm, Sweden, 2011

Electrical Conductivity of Textile Coated by In Situ Polymerization of Pyrrole, Attendee, Praha, Czech Republic, 2011

Comperative Electropolymerization of Pyrrole, Carbazole, Indole and Thiophene, Attendee, Praha, Czech Republic, 2011

Anticorrosion Coating Based On Poly(N-Vinylcarbazole) And Its Composites With Oxide Nanoparticle, Attendee, Nice, France, 2009

Anticorrosion Efficiency Of Polyaniline/CeO<sub>2</sub> Nanocomposite Coating, Attendee, Nice, France, 2009

Copolymers of Benzothiophene with Pyrrole and Thiophene, Attendee, Poland, 2009

Inhibition Of Stainless Steel Corrosion By Indole carbazole Copolymers, Attendee, Edinburgh, Scotland, 2008  
Evaluation of Environmentally Friendly Conversion Coatings for Hot Rolled Steel (HRS) prior to Powder Coating Application, Attendee, Edinburgh, Scotland, 2008  
Application Of Ketone Based Resins As Anticorrosive Coating, Attendee, Edinburgh, Scotland, 2008  
Inhibition Of Pyrite Corrosion And Photocorrosion By MEKF-R Modified Carbazoles, Attendee, Freiburg, Germany, 2007  
Corrosion Protection Of Cooper And Steel By Conducting Polymer Coating, Attendee, Freiburg, Germany, 2007  
Corrosion Protection Of Cooper And Steel By Conductive Polypyrrole-Methyl Ethyl Ketone Formaldehyde Resin Copolymer Coating, Attendee, Freiburg, Germany, 2007  
Corrosion Inhibition Of Stainless Steel By Using 4-(2-Diethylamino-Ethylsulfonyl)-Phthalonitrile And 4,5-Bis(Hexylsulfonyl)-Phthalonitrile, Attendee, Freiburg, Germany, 2007  
Electrochemical Properties of Thiophene, Indole and 2,6 Thiophene-Indole, Co-Monomers, Attendee, Sankt Peterburg, Russia, 2006  
Synthesis and electrochemical polymerization of 4-[3-carbazolyl]indole, Attendee, Sankt Peterburg, Russia, 2006  
Synthesis and electrochemical polymerization of 3,6-bis (2-thienyl)-N-carbazole, Attendee, Sankt Peterburg, Russia, 2006  
ECZ and EDOT Based Comonomer Synthesisi Its Electropolymerization on CFME and Electrochemical Impedance Study, Attendee, Russia, 2006  
Synthesis and electrochemical polymerization of 6-[3-carbazolyl]indole, Attendee, Sankt Peterburg, Russia, 2006

## Citations

Total Citations (WOS):547

h-index (WOS):14

## Scholarships

DAAD, Official Institutions of Foreign Countries, 2002 - Continues

The J.William Fulbright Foreign Scholarship, Fulbright Program, 1999 - Continues

Doktora Sonrası Araştırma Bursu, University, 1999 - Continues

DAAD, Official Institutions of Foreign Countries, 1997 - Continues