

## Prof. SİBEL ZOR

### Personal Information

**Office Phone:** [+90 303 203 4](tel:+903032034)

**Fax Phone:** [+90 262 303 2003](tel:+902623032003)

**Email:** [merve@kocaeli.edu.tr](mailto:merve@kocaeli.edu.tr)

**Web:** <https://avesis.kocaeli.edu.tr/merve>

**Address:** Kocaeli Üniversitesi Fen Edebiyat Fakültesi Kimya Bölümü, Umuttepe/Kocaeli

### International Researcher IDs

ORCID: 0000-0003-3789-6579

Publons / Web Of Science ResearcherID: V-5959-2018

Yoksis Researcher ID: 5628

### Education Information

Doctorate, Cukurova University, Fen-Edebiyat Fakültesi, Kimya, Turkey 1991 - 1996

Postgraduate, Cukurova University, Fen-Edebiyat Fakültesi, Kimya, Turkey 1988 - 1991

Undergraduate, Cukurova University, Fen-Edebiyat Fakültesi, Kimya, Turkey 1984 - 1988

### Dissertations

Doctorate, Makromoleküllerin elektrooksidasyonla parçalanması ve yöntemin deterjan kirliliğinin giderilmesi amacıyla uygulanabilirliğinin araştırılması, Çukurova Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 1996

Postgraduate, Yüzey aktif maddelerin demir ve alüminyum gibi metalik malzemeler üzerindeki korozif etkisi, Cukurova University, 1991

### Research Areas

Chemistry, Physical Chemistry, Electrochemistry, Conductive Polymers, nanocomposites, Characterization of Polymers, Polymeric Adsorbents, Natural Sciences

### Academic Titles / Tasks

Professor, Kocaeli University, Fen Edebiyat Fakültesi, Kimya, 2011 - Continues

Associate Professor, Kocaeli University, Fen Edebiyat Fakültesi, Kimya, 2005 - 2011

Assistant Professor, Kocaeli University, Fen Edebiyat Fakültesi, Kimya, 1997 - 2005

### Academic and Administrative Experience

Birim Kalite Komisyonu Başkanı, Kocaeli University, Fen Edebiyat Fakültesi, Kimya, 2018 - 2020

Head of Department, Kocaeli University, Fen Edebiyat Fakültesi, Kimya, 2016 - 2020

Fakülte Yönetim Kurulu Üyesi, Kocaeli University, Fen Edebiyat Fakültesi, Kimya, 2012 - 2020

Fakülte Kurulu Üyesi, Kocaeli University, Fen Edebiyat Fakültesi, Kimya, 2012 - 2020

Rektörlük Kalite Komisyonu Üyesi, Kocaeli University, Fen Edebiyat Fakültesi, Kimya, 2015 - 2019  
Meslek Yüksekokulu Yönetim Kurulu Üyesi, Kocaeli University, Fen Edebiyat Fakültesi, Kimya, 2015 - 2019  
Meslek Yüksekokulu Akademik Kurul Üyesi, Kocaeli University, Fen Edebiyat Fakültesi, Kimya, 2015 - 2019  
Member of the Senate, Kocaeli University, Fen Edebiyat Fakültesi, Kimya, 2015 - 2019  
Kocaeli Üniversitesi, Arslanbey Meslek Yüksekokulu, Pazarlama Ve Reklamcılık Bölümü, 2015 - 2019  
Kocaeli Üniversitesi, Arslanbey Meslek Yüksekokulu, 2015 - 2019  
Kocaeli Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2012 - 2015  
Kocaeli Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2009 - 2010

## Courses

Genel Kimya, Undergraduate, 2003 - 2004

## Advising Theses

Zor S., PANI/nanometal oksit kompozitlerin elektrokimyasal olarak 304 L çelik yüzeyine kaplanması ve korozyon davranışlarının incelenmesi, Postgraduate, B.Bozkurt(Student), 2019  
Zor S., Saf PANI, PANI/ZnO ve PANI/ZrO<sub>2</sub> polimerik nanokompozitlerinin sentezi, karakterizasyonu ve boyar madde gideriminde fotokatalitik etkinin araştırılması, Postgraduate, B.Budak(Student), 2018  
Zor S., Panı-epoksi ve panı-epoksi-nano metal oksit polimerik kompozitlerinin kimyasal olarak sentezi, karakterizasyonu ve çelik korozyonuna etkisinin araştırılması, Postgraduate, N.İlmieva(Student), 2017  
Zor S., Klorürlü çözeltilerde çelik korozyonu üzerine Amit ve Türevlerinin İnhibisyon Etkilerinin Araştırılması, Postgraduate, E.Ayşe(Student), 2013  
Zor S., Polianilin ve Polipirol'ün katyon katkılama ile farklı metaller üzerine elektrokimyasal sentezi ve Anti korozif özelliklerinin incelenmesi , Doctorate, H.Özkazanç(Student), 2012  
Zor S., Elektropolimerizasyon yöntemiyle polipirol ve anilin kaplanmış alüminyumun korozyonunun önlenmesinde farklı anyonların etkileri, Postgraduate, E.Yakar(Student), 2006  
Zor S., Farklı sıcaklıklarda Demir ve Alüminyumun Asidik Korozyonuna Sodyum Dodesil Benzen Sülfonatın İnhibisyon Etkisinin Araştırılması, Postgraduate, P.Doğan(Student), 2004  
Zor S., Monovinil-Divinilbenzen Serbest Radikal Kopolimerizasyonunun Jelleşme Öncesi ve Sonrası Kinetik Simulasyonu, Postgraduate, Z.Acır(Student), 1999

## Jury Memberships

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Kocaeli Üniversitesi, March, 2021  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, İstanbul Teknik Üniversitesi, December, 2019  
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Kocaeli Üniversitesi, November, 2019  
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Kocaeli Üniversitesi, November, 2019  
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Gebze Teknik Üniversitesi, October, 2019  
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Düzce Üniversitesi, September, 2019  
Doctorate, Doctorate, Çukurova Üniversitesi, November, 2018  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Kocaeli Üniversitesi, December, 2017

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Kocaeli Üniversitesi, February, 2010

Post Graduate, Post Graduate, İstanbul Teknik Üniversitesi, June, 2009

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

- I. **Synthesis and characterization of 1-vinyl-1,2,4-triazole, m-poly(EGDMA-VTA)-TiO<sub>2</sub> polymer composite particles and the using of Reactive Orange 16 dye in adsorption and photocatalytic decolorization**  
Mutlu G. K., KARA A., TEKİN N., Demirel S.  
COLLOID AND POLYMER SCIENCE, vol.302, no.4, pp.623-642, 2024 (SCI-Expanded)
- II. **Deep purification of pretreated laundry wastewater through the adsorption by polymeric composites and optimisation of the process**  
VELİ S., ARSLAN A., TOPKAYA E., Gulumser C., Kurtkulak H., Belat B., Zeybek S., Zor S., Dimoglo A.  
INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, vol.103, no.9, pp.2107-2125, 2023 (SCI-Expanded)
- III. **Inhibition Effect of 4-Amino-N-(1,3)-thiazole-2-yl Benzene Sulfonamide on Corrosion of Copper in Acidic Chlorur Solution**  
Sibel Demirel D., Ahsen Karadağ K.  
PROTECTION OF METALS AND PHYSICAL CHEMISTRY OF SURFACES, vol.59, no.3, pp.516-523, 2023 (SCI-Expanded)
- IV. **Synthesis and characterization of Ppy and Ppy/zeolite and their use as adsorbents in removal of diclofenac sodium**  
DEMİREL S., Cimlek I. E.  
POLYMER BULLETIN, vol.80, no.3, pp.2585-2615, 2023 (SCI-Expanded)
- V. **Synthesis and characterization of PANI and PANI/nanometal oxides, photocatalytic and adsorbent applications**  
Budak B., ZOR S.  
TURKISH JOURNAL OF CHEMISTRY, vol.47, no.2, pp.346-363, 2023 (SCI-Expanded)
- VI. **Corrosion Behavior of 304 L Steel Coated with PVB/PAN-Nano Metal Oxide (TiO<sub>2</sub>, ZnO)**  
Demirel S., Savcak N.  
PROTECTION OF METALS AND PHYSICAL CHEMISTRY OF SURFACES, vol.58, no.3, pp.592-602, 2022 (SCI-Expanded)
- VII. **Coating of PANI/SnO<sub>2</sub>, PANI/ZnO Polymeric Nanocomposite on 304 L Stainless Steel by Galvanostatic Method and Investigation of Corrosion Behavior**  
DEMİREL S., Bozkurt B.  
PROTECTION OF METALS AND PHYSICAL CHEMISTRY OF SURFACES, vol.58, no.1, pp.53-64, 2022 (SCI-Expanded)
- VIII. **Photocatalytic degradation of congo red by using PANI and PANI/ZrO<sub>2</sub>: under UV-A light irradiation and dark environment**  
Zor S., Budak B.  
DESALINATION AND WATER TREATMENT, vol.201, pp.420-430, 2020 (SCI-Expanded)
- IX. **Investigation of the effect of PAn and PAn/ZnO photocatalysts on 100% degradation of Congo red under UV visible light irradiation and lightless environment**  
ZOR S., Budak B.  
TURKISH JOURNAL OF CHEMISTRY, vol.44, no.2, pp.486-501, 2020 (SCI-Expanded)
- X. **Theoretical and Experimental Study of the Acid Corrosion Inhibition of Copper by Aspirin (Acetylsalicylic Acid)**  
Kayadibi F., Sagdinc S., ZOR S.  
PROTECTION OF METALS AND PHYSICAL CHEMISTRY OF SURFACES, vol.56, no.1, pp.202-213, 2020 (SCI-Expanded)

- XI. **Corrosion behavior of PANI/Epoxy/nano SnO<sub>2</sub> polymeric nanocomposite coated stainless steel in 3.5 wt% NaCl**  
ZOR S., Ilmieva N.  
POLYMER COMPOSITES, vol.39, 2018 (SCI-Expanded)
- XII. **Photocatalytic activities of polyaniline-modified TiO<sub>2</sub> and ZnO under visible light: an experimental and modeling study**  
Özbay B., Genç N., Özbay İ., Baghaki B., Zor S.  
Clean Technologies and Environmental Policy, vol.18, pp.2591-2601, 2016 (SCI-Expanded)
- XIII. **Experimental and theoretical evaluation of the inhibition properties of ketoprofen for the corrosion of a copper surface in hydrochloric acid**  
Kayadibi F., Zor S., Sagdinc S.  
PROTECTION OF METALS AND PHYSICAL CHEMISTRY OF SURFACES, vol.52, pp.356-371, 2016 (SCI-Expanded)
- XIV. **Structural and electrochemical characterization of Zn-TiO<sub>2</sub> and Zn-WO<sub>3</sub> nanocomposite coatings electrodeposited on St 37 steel**  
ERTEN U., UNAL H. I., ZOR S., ATAPEK Ş. H.  
JOURNAL OF APPLIED ELECTROCHEMISTRY, vol.45, no.9, pp.991-1003, 2015 (SCI-Expanded)
- XV. **Effect of Ni-Co alloy coating on corrosion behavior of 0.8% C steel**  
ÜNAL H. İ., Zor S., Erten U., Gokergil H. M.  
PROTECTION OF METALS AND PHYSICAL CHEMISTRY OF SURFACES, vol.51, no.4, pp.600-606, 2015 (SCI-Expanded)
- XVI. **Investigation of the effect of physical conditions of a coating bath on the corrosion behavior of zinc coating using response surface methodology**  
Zor S., Erten U., Bingöl D.  
PROTECTION OF METALS AND PHYSICAL CHEMISTRY OF SURFACES, vol.51, pp.304-309, 2015 (SCI-Expanded)
- XVII. **Sulfathiazole as potential corrosion inhibitor for copper in 0.1 M NaCl**  
Zor S.  
PROTECTION OF METALS AND PHYSICAL CHEMISTRY OF SURFACES, vol.50, no.4, pp.530-537, 2014 (SCI-Expanded)
- XVIII. **Investigation of corrosion and mechanical properties of Al-Cu-SiC-xNi composite alloys**  
Karakulak E., YAMANOĞLU R., Erten U., ZEREN A., ZOR S., ZEREN M.  
MATERIALS & DESIGN, vol.59, pp.33-37, 2014 (SCI-Expanded)
- XIX. **Experimental and Theoretical Study of Sulfathiazole as Environmentally Friendly Inhibitor on Aluminum Corrosion in NaCl**  
Zor S., Sagdinc S.  
PROTECTION OF METALS AND PHYSICAL CHEMISTRY OF SURFACES, vol.50, pp.244-253, 2014 (SCI-Expanded)
- XX. **Corrosion behavior of Zn and Ni coated carbon steels in 3% NaCl**  
Unal H. I., ZOR S., Gokergil H. M.  
PROTECTION OF METALS AND PHYSICAL CHEMISTRY OF SURFACES, vol.49, no.5, pp.591-596, 2013 (SCI-Expanded)
- XXI. **Preparation and characterization of polypyrrole/selenium composites**  
ÖZKAZANÇ E., ZOR S., ÖZKAZANÇ H., GÜMÜŞ S.  
POLYMER ENGINEERING AND SCIENCE, vol.53, no.6, pp.1131-1137, 2013 (SCI-Expanded)
- XXII. **Optimization of the Experimental Variables Influencing the Corrosion Rate of Aluminum Using Response Surface Methodology**  
BİNGÖL D., ZOR S.  
CORROSION, vol.69, no.5, pp.462-467, 2013 (SCI-Expanded)
- XXIII. **Electrochemical synthesis of polypyrrole (PPy) and PPy vertical bar metal composites on copper electrode and investigation of their anticorrosive properties**  
ÖZKAZANÇ H., ZOR S.  
PROGRESS IN ORGANIC COATINGS, vol.76, no.4, pp.720-728, 2013 (SCI-Expanded)
- XXIV. **Effect of tempering temperature and microstructure on the corrosion behavior of a tempered steel**

- ATAPEK Ş. H., POLAT Ş., ZOR S.  
PROTECTION OF METALS AND PHYSICAL CHEMISTRY OF SURFACES, vol.49, no.2, pp.240-246, 2013 (SCI-Expanded)
- XXV. **Analysis of adsorption of reactive azo dye onto CuCl<sub>2</sub> doped polyaniline using Box-Behnken design approach**  
BİNGÖL D., VELİ S., ZOR S., ÖZDEMİR U.  
SYNTHETIC METALS, vol.162, pp.1566-1571, 2012 (SCI-Expanded)
- XXVI. **Effect of titanium addition on corrosion properties of Al-Si eutectic alloys**  
Zor S., Zeren M., Özkazanç H., Karakulak E.  
PROTECTION OF METALS AND PHYSICAL CHEMISTRY OF SURFACES, vol.48, no.5, pp.568-571, 2012 (SCI-Expanded)
- XXVII. **Synthesis, characterization and dielectric behavior of (ES)-form polyaniline/cerium(III)-nitrate-hexahydrate composites**  
Özkazanç E., Zor S., Özkazanç H., Güney H. Y., Abacı U.  
MATERIALS CHEMISTRY AND PHYSICS, vol.133, no.1, pp.356-362, 2012 (SCI-Expanded)
- XXVIII. **The Influence of Artificial Saliva on Niti Orthodontic Wires A Study On Surface Characterization**  
ÜNAL H. İ., ZOR S., ATAPEK Ş. H.  
Materials Science, vol.47, pp.830-837, 2012 (SCI-Expanded)
- XXIX. **Influence of artificial saliva on NiTi orthodontic wires: A study on the surface characterization**  
Ünal I., ZOR S., Atapek H.  
Materials Science, vol.47, no.6, pp.830-837, 2012 (SCI-Expanded)
- XXX. **Synthesis, Characterization, and AC Conductivity of Polyaniline/Selenium Composites**  
ÖZKAZANÇ E., ZOR S., ÖZKAZANÇ H.  
JOURNAL OF MACROMOLECULAR SCIENCE PART B-PHYSICS, vol.51, no.11, pp.2122-2132, 2012 (SCI-Expanded)
- XXXI. **Investigation of Corrosion Behaviors in Chloride Solutions of GX 10CrNiMoNb 1810 Austenitic Stainless Steel Produced by Different Casting Techniques**  
ZOR S., ZEREN M., ÇAPAN L. J., TÜRKER M.  
Protection Of Metals And Physical Chemistry Of Surfaces, vol.2, pp.270-274, 2012 (SCI-Expanded)
- XXXII. **Modeling adsorption of sodium dodecyl benzene sulfonate (SDBS) onto polyaniline (PANI) by using multi linear regression and artificial neural networks**  
ÖZDEMİR U., ÖZBAY B., VELİ S., ZOR S.  
CHEMICAL ENGINEERING JOURNAL, vol.178, pp.183-190, 2011 (SCI-Expanded)
- XXXIII. **Inhibition Effects of Amides on the Corrosion of Copper in 1.0 M HCl: Theoretical and Experimental Studies**  
ZOR S., SARAÇOĞLU M., KANDEMİRLİ F., Arslan T.  
CORROSION, vol.67, no.12, 2011 (SCI-Expanded)
- XXXIV. **Investigation of corrosion behavior of silver coated brass in acidic solutions**  
ZOR S., Unal H. I., Gokergil H. M.  
PROTECTION OF METALS AND PHYSICAL CHEMISTRY OF SURFACES, vol.47, no.6, pp.813-820, 2011 (SCI-Expanded)
- XXXV. **Electrical Properties of Polyaniline-Manganese Chloride Composites**  
Özkazanç E., Zor S., Özkazanç H., Abacı U.  
POLYMER ENGINEERING AND SCIENCE, vol.51, no.4, pp.617-623, 2011 (SCI-Expanded)
- XXXVI. **The inhibition effect of amides on aluminium corrosion in chloride solutions**  
Zor S., Özkazanç H.  
PROTECTION OF METALS AND PHYSICAL CHEMISTRY OF SURFACES, vol.46, no.6, pp.727-733, 2010 (SCI-Expanded)
- XXXVII. **Structural and Dielectric Properties of CuCl<sub>2</sub> and ZnCl<sub>2</sub> Doped Polyaniline**  
ÖZKAZANÇ E., ZOR S., ÖZKAZANÇ H.  
POLYMER COMPOSITES, vol.31, no.11, pp.1862-1868, 2010 (SCI-Expanded)
- XXXVIII. **Inhibition Effects of 4 Phenyl 3 Thiosemicarbazide on the Corrosion of Aluminum in 0.1 M HCl**

### **Theoretical and Experimental Studies**

Zor S., Özkazanç H., Arslan T., Kandemirli F.

Corrosion, vol.66, pp.45006, 2010 (SCI-Expanded)

### **XXXIX. Inhibition Effects of 4-Phenyl-3-Thiosemicarbazide on the Corrosion of Aluminum in 0.1 M HCl:**

#### **Theoretical and Experimental Studies**

ZOR S., ÖZKAZANÇ H., Arslan T., Kandemirli F.

CORROSION, vol.66, no.4, 2010 (SCI-Expanded)

- XL. Effect of Cu content on the corrosion of Al-Si eutectic alloys in acidic solutions**  
ZOR S., ZEREN M., ÖZKAZANÇ H., Karakulak E.  
ANTI-CORROSION METHODS AND MATERIALS, vol.57, no.4, pp.185-191, 2010 (SCI-Expanded)
- XLII. Electrochemical synthesis of polypyrrole on aluminium in different anions and corrosion protection of aluminium**  
ZOR S., KANDEMİRLİ F., Yakar E., ARSLAN T.  
PROTECTION OF METALS AND PHYSICAL CHEMISTRY OF SURFACES, vol.46, no.1, pp.110-116, 2010 (SCI-Expanded)
- XLIII. Corrosion behavior of G-X CrNiMoNb 18-10 austenitic stainless steel in acidic solutions**  
ZOR S., Soncu M., Capana L.  
JOURNAL OF ALLOYS AND COMPOUNDS, vol.480, no.2, pp.885-888, 2009 (SCI-Expanded)
- XLIII. Inhibition Effects of Methionine and Tyrosine on Corrosion of Iron in HCl Solution: Electrochemical, FTIR, and Quantum-Chemical Study**  
ZOR S., KANDEMİRLİ F., BİNGÜL M.  
PROTECTION OF METALS AND PHYSICAL CHEMISTRY OF SURFACES, vol.45, no.1, pp.46-53, 2009 (SCI-Expanded)
- XLIV. Effect of ethylene diaminetetraacetic acid on the corrosion of aluminum in chloride solutions**  
ZOR S., ÖZKAZANÇ H., BİNGÜL M.  
MATERIALS SCIENCE, vol.44, no.6, pp.850-856, 2008 (SCI-Expanded)
- XLV. Electrodeposition of polypyrrole on aluminium in oxalic acid**  
ZOR S., Yakar E.  
JOURNAL OF THE CHEMICAL SOCIETY OF PAKISTAN, vol.30, no.2, pp.196-202, 2008 (SCI-Expanded)
- XLVI. Corrosion protection of iron in chlorine media by NH<sub>4</sub>NO<sub>3</sub> and Na<sub>2</sub>CrO<sub>4</sub> mixtures**  
ZOR S., ELEM Y.  
Materials Science, vol.43, pp.282-124, 2007 (SCI-Expanded)
- XLVII. The effect of pH on adsorption of linear alkyl benzene sulphonate by bentonite**  
Saglam H. B., ESMER K., TARCAN E., ZOR S.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.16, pp.1643-1647, 2007 (SCI-Expanded)
- XLVIII. Corrosion behavior of PANI coated aluminum in oxalic acid containing different anions**  
ZOR S., ELEM Y.  
Bulletin Of Electrochemistry, vol.0, pp.149-153, 2007 (SCI-Expanded)
- XLIX. Removal of linearalkylbenzenesulphonate LAS from aqueous solutions by electrocoagulation**  
ZOR S., YAZICI B., MEHMET E.  
Bulletin Of Electrochemistry, vol.0, pp.241-248, 2006 (SCI-Expanded)
- L. Inhibition effects of LAB and LABS on iron corrosion in chlorine solutions at different temperatures**  
Zor S., YAZICI B., Erbil M.  
CORROSION SCIENCE, vol.47, no.11, pp.2700-2710, 2005 (SCI-Expanded)
- LI. Inhibition of acidic corrosion of iron and aluminium by SDBS at different temperatures**  
Zor S., Doğan P., Yazıcı B.  
CORROSION REVIEWS, vol.23, pp.217-232, 2005 (SCI-Expanded)
- LII. Investigation of the adsorption of anionic surfactants at different pH values by means of active carbon and the kinetics of adsorption**  
Zor S.  
JOURNAL OF THE SERBIAN CHEMICAL SOCIETY, vol.69, no.1, pp.25-32, 2004 (SCI-Expanded)
- LIII. Inhibition effect of dodecyl benzene sulfonate (DBS) on corrosion of iron and aluminum in acidic**

#### **solutions by weight loss method**

ZOR S., DOĞAN P.

CORROSION REVIEWS, vol.22, no.3, pp.209-217, 2004 (SCI-Expanded)

**LIV. The effects of benzoic acid in chloride solutions on the corrosion of iron and aluminum**

ZOR S.

TURKISH JOURNAL OF CHEMISTRY, vol.26, no.3, pp.403-408, 2002 (SCI-Expanded)

**LV. The effects of detergent pollution on the corrosion of iron and aluminium**

ZOR S., YAZICI B., Erbil M.

TURKISH JOURNAL OF CHEMISTRY, vol.23, no.4, pp.393-400, 1999 (SCI-Expanded)

**LVI. Swelling behavior of anionic acrylamide-based hydrogels in aqueous salt solutions: Comparison of experiment with theory**

Okay O., Sarişik S. B., ZOR S.

Journal of Applied Polymer Science, vol.70, no.3, pp.567-575, 1998 (SCI-Expanded)

**LVII. Effect of thiourea on the hydrogen yield in electrolysis**

YAZICI B., ARSLAN G., Erbil M., ZOR S.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.23, no.10, pp.867-872, 1998 (SCI-Expanded)

**LVIII. The electrochemical degradation of linearalkylbenzenesulfonate (LAS) on platinum electrode**

Zor S., Yazıcı B., Erbil M., Galip H.

Water Research, vol.32, pp.579-586, 1998 (SCI-Expanded)

### **Articles Published in Other Journals**

**I. Polianilin PANi ve PANi Metal Cu Ni Kompozitlerinin Bakır Üzerine Elektrokimyasal Sentezi ve Antikorozyf Özelliklerinin İncelenmesi**

ZOR S., ÖZKAZANÇ H.

Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.14, pp.59-66, 2012 (Peer-Reviewed Journal)

**II. Al Si Ötektik Alaşımlarına Cu İlavesinin Etkisi**

ZEREN M., ZOR S., KARAKULAK E., ÖZKAZANÇ H.

Metal Dünyası, vol.191, pp.93-95, 2009 (Peer-Reviewed Journal)

**III. Al Si Ötektik Alaşımlarının Korozyon Özelliklerine Titanyum İlavesinin Etkisi**

ZOR S., ZEREN M., ÖZKAZANÇ H., KARAKULAK E.

Metal Dünyası, vol.183, pp.105-107, 2008 (Peer-Reviewed Journal)

### **Refereed Congress / Symposium Publications in Proceedings**

**I. Modeling of the Adsorption Process of Industrial Laundry Wastewaters with the Sunflower Seeds-Pyrrole-FeCl<sub>3</sub> Composite**

VELİ S., İŞGÖREN M., ARSLAN A., TOPKAYA E., GÜLÜMSER Ç., KURTKULAK H., BELAT B., ZEYBEK Ş., ZOR S., DİMOĞLO A.

2nd International Conferences on Science and Technology (ICONST'xx19), Prizren, Serbia And Montenegro, 26 - 30 August 2019, pp.181-190

**II. PREPARATION OF PANI AND PANI / ZnO POLYMERIC NANOCOMPOSITES, CHARACTERIZATION AND USE IN THE PHOTOCATALYTIC DEGRADATION OF CONGO RED DYE**

ZOR S., Budak B.

1st Eurasia Environmental Chemistry Congress, 1 - 04 November 2018

**III. Preparation of PANI and PANI/ZrO<sub>2</sub> Polymeric Nanocomposites, Characterization and Use in the Photocatalytic Degradation of Congo Red Dye**

ZOR S., Budak B.

1st Eurasia Environmental Chemistry Congress, 1 - 04 November 2018

- IV. **BENZAMİD VE TIYOASETAMİD' İN ÇELİK KOROZYONU ÜZERİNDEKİ İNHİBİSYONU VE YOĞUNLUK FONKSİYONEL TEORİSİ ÜZERİNE KUANTUM KİMYASAL ÇALIŞMALARI**  
GÜNEŞDOĞDU SAĞDINÇ S., ZOR S., YILDIZ E. A.  
XV. International Corrosion Symposium, 26 - 28 September 2018
- V. **PANI/ NiO ve PANI/TiO<sub>2</sub> KOMPOZİTLERİN ELEKTROKİMYASAL OLARAK L304 ÇELİK YÜZEYİNE KAPLANMASI VE KOROZYON DAVRANIŞLARININ İNCELENMESİ**  
ZOR S., Bozkurt B.  
15. Uluslararası Korozyon Sempozyumu, 26 - 28 September 2018
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- XIII. **PANI EPOKSİ VE PANI ZnO EPOKSİ POLİMERİK KOMPOZİTLERİN SENTEZİ KARAKTERİZASYONU VE L304 ÇELİK ÜZERİNDEKİ KOROZYON DAVRANIŞININ İNCELENMESİ**  
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- XXI. Electrochemical Synthesis of Polypyrrole PPy and PPy Metal Composites on Copper and Investigation of Their Anticorrosive Properties**  
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- XXIV. Effect of tempering temperature microstructure hardness on corrosion behaviour of a bainitic steel**  
ATAPEK Ş. H., POLAT Ş., ZOR S.  
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- XXVI. The Inhibition Effect of Amides on Aluminum Corrosion in 0.1 M NaCl**  
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- XXVII. Electrochemical Synthesis of Polypyrrole on Aluminum by Cation Doping and Investigation of Anti corrosive Properties**  
ÖZKAZANÇ H., ZOR S.  
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## Supported Projects

ZOR S., MERT O., Project Supported by Higher Education Institutions, LİSANS EĞİTİMİ İÇİN KİMYA BÖLÜMÜ ÖĞRENCİ LABORATUVARLARI ALTYAPISININ YENİLENMESİ, 2017 - 2018

VELİ S., ARSLAN A., ZOR S., BİNGÖL D., İŞGÖREN M., Project Supported by Higher Education Institutions, SIZINTI SUYUNUN KATALİTİK ISLAK HAVA OKSİDASYONU VE ELEKTROOKSİDASYON YÖNTEMLERİ İLE ARITILABİLİRLİĞİNİN İNCELENMESİ, 2016 - 2017

Zor S., Project Supported by Higher Education Institutions, Polimerik iletken nanokompozitlerin Sentezlenerek Fotokatalitik Etkisinin incelenmesi , 2014 - 2016

Zor S., Project Supported by Higher Education Institutions, Çelik korozyonunun önlenmesinde çinko nanometal oksit kompozit kaplamaların elektrokimyasal olarak eldesi ve karakterizasyonu, 2013 - 2015

ZOR S., Project Supported by Higher Education Institutions, WO<sub>3</sub> VE TiO<sub>2</sub> NANO PATİKÜL İÇEREN Zn İLE KAPLANMIŞ ST 37 ÇELİĞİNİN KOROZYON DAVRANIŞI, 2014 - 2014

ZOR S., Project Supported by Higher Education Institutions, Polianilin ve Polipirool'ün Katyon Katkılama ile Farklı Metaller üzerine Elektrokimyasal Sentezi ve Antikoroziyon Özelliklerinin İncelenmesi (Hatice ÖZKAZANÇ Tez Projesi), 2010 - 2012

## **Memberships / Tasks in Scientific Organizations**

Korozyon Derneği, Member, 1998 - Continues

Türkiye Kimya Derneği, Member, 1995 - Continues

## **Scientific Refereeing**

CORROSION SCIENCE, SCI Journal, July 2018

JOURNAL OF ALLOYS AND COMPOUNDS, SCI Journal, July 2018

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, SCI Journal, June 2018

TURKISH JOURNAL OF CHEMISTRY, SCI Journal, April 2006

## **Metrics**

Publication: 93

Citation (WoS): 760

Citation (Scopus): 954

H-Index (WoS): 18

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## **Congress and Symposium Activities**

XV. Korozyon Sempozyumu, Attendee, Hatay, Turkey, 2018

Effect of nano composite coating on the corrosion behavior of St 37 steel ", Ümran Erten , Sibel Zor , H. İbrahim Ünal , Ş.

Hakan Atapek ,VI th metallurgical conference, Working Group, Ohrid, Macedonia, 2014

## **Non Academic Experience**

Çukurova Üniversitesi