

# **Prof. TUNÇ TÜKEN**

## **Personal Information**

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## **International Researcher IDs**

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Publons / Web Of Science ResearcherID: D-7974-2018

Yoksis Researcher ID: 116700

## **Education Information**

Doctorate, Cukurova University, Fen Edebiyat Fakültesi, Kimya, Turkey 2000 - 2005

Postgraduate, Cukurova University, Fen Edebiyat Fakültesi, Kimya, Turkey 1998 - 2000

Undergraduate, Cukurova University, Fen Edebiyat Fakültesi, Kimya, Turkey 1994 - 1998

## **Foreign Languages**

English, C1 Advanced

## **Dissertations**

Doctorate, Elektrokimyasal olarak oluşturulacak polipirol (PPy) kaplamanın demirli malzemelerin korozyon davranışları üzerine etkilerinin incelenmesi, Cukurova University, Fen Bilimleri Enstitüsü, Kimya, 2005

Postgraduate, Nikotin, nikotinik asit (miasin) ve nikotinamidin demirli malzemelerin klorür (Cl-) içeren sulu ortamlardaki korozyonu üzerine etkilerinin araştırılması, Cukurova University, Fen Bilimleri Enstitüsü, Kimya, 2000

## **Research Areas**

Chemistry, Physical Chemistry, Interface Chemistry, Electrochemistry, Conductive Polymers, Polymeric Films, Natural Sciences

## **Academic Titles / Tasks**

Professor, Cukurova University, Fen Edebiyat Fakültesi, Kimya, 2013 - Continues

## **Courses**

İleri Fizikokimya, Postgraduate, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011

General Chemistry, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012

Fizikokimya, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2007 - 2008

Chemistry for Engineers, Undergraduate, 2013 - 2014

Fizikokimya 2, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2008 - 2009, 2007 - 2008

Fizikokimya, Undergraduate, 2012 - 2013

Fizikoimya II, Undergraduate, 2009 - 2010

## Advising Theses

TÜKEN T., Korozyonu önlemede kompozit polüre-polipirol kaplamaların kullanılması, Postgraduate, İ.Çetin(Student), 2012

TÜKEN T., Metilendifenildiizosiyanat-primer amin reaksiyonları ile sabunsuz gres eldesi, Postgraduate, N.Tuğba(Student), 2012

TÜKEN T., 3-Amino-5metiltio-1H-1,2,4 triazol ve 3-merkapropopropil trimetoksisilan bileşiklerinin yumuşak çelik korozyonuna karşı inhibitör etkinliklerinin araştırılması, Postgraduate, Ö.Cum(Student), 2012

TÜKEN T., Çinko oksit yardımıyla fotoaktif malzeme geliştirilmesi ve Fotokorozyon, Postgraduate, N.Kıçır(Student), 2012

TÜKEN T., Katkılı polipirol kaplamalar, Postgraduate, F.Demir(Student), 2011

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

- I. Enhanced photocatalytic activity in AgCu-decorated ZnO nanoparticles under UV and sunlight  
Noua A. E., KAYA D., SIĞIRCIK G., TÜKEN T., KARADAĞ F., EKİCİBİL A.  
Journal of Materials Science: Materials in Electronics, vol.35, no.18, 2024 (SCI-Expanded)
- II. Synthesis and study of nanosized gadolinium oxide modified by zirconium oxide  
Niftaliev S. I., Kuznetsova I. V., Lygina L. V., Tuneekov V. Y., Saranov I. A., Tolkacheva A. A., Diallo A., Tuken T.  
SOLID STATE SCIENCES, vol.110, 2020 (SCI-Expanded)
- III. ZnO/CuO hybrid films synthesized by sequential application of electrochemical and spin coating technique  
Siğircik G., Tüken T.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.31, no.20, pp.17855-17871, 2020 (SCI-Expanded)
- IV. Structural, electronic and magnetic properties of Mn doped ZnO nanoplates synthesized by electrodeposition method  
KICIR N., TÜKEN T., AKYOL M., EKİCİBİL A., UFUKTEPE Y.  
JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA, vol.237, 2019 (SCI-Expanded)
- V. Optically stimulated luminescence characteristics of BeO nanoparticles synthesized by sol-gel method  
ALTUNAL V., YEĞİNGİL Z., TÜKEN T., Depci T., ÖZDEMİR A. C., GUCKAN V., Nur N., Kurt K., BULUR E.  
RADIATION MEASUREMENTS, vol.118, pp.54-66, 2018 (SCI-Expanded)
- VI. Synthesis and inhibitory effect of N,N'-bis(1-phenylethanol) ethylenediamine against steel corrosion in HCl Media  
SIĞIRCIK G., YILDIRIM D., TÜKEN T.  
CORROSION SCIENCE, vol.120, pp.184-193, 2017 (SCI-Expanded)
- VII. Nanostructured ZnO films in forms of rod, plate and flower: Electrodeposition mechanisms and characterization  
KICIR N., TÜKEN T., Erken O., GÜMÜŞ C., UFUKTEPE Y.  
APPLIED SURFACE SCIENCE, vol.377, pp.191-199, 2016 (SCI-Expanded)
- VIII. Thermoluminescence study of Mn doped lithium tetraborate powder and pellet samples synthesized by solution combustion synthesis  
ÖZDEMİR A. C., YEĞİNGİL Z., Nur N., Kurt K., TÜKEN T., Depci T., TANSUĞ G., ALTUNAL V., GUCKAN V., SIĞIRCIK G., et al.  
JOURNAL OF LUMINESCENCE, vol.173, pp.149-158, 2016 (SCI-Expanded)

- IX. **Investigation of ammonium (2,4-dimethylphenyl)-dithiocarbamate as a new, effective corrosion inhibitor for mild steel**  
KICIR N., TANSUĞ G., ERBİL M., TÜKEN T.  
CORROSION SCIENCE, vol.105, pp.88-99, 2016 (SCI-Expanded)
- X. **Synthesis and application of phenylcarbamodithioate compound for steel protection**  
TANSUĞ G., KICIR N., DEMİRKOL O., Giray E. S., TÜKEN T.  
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.30, no.18, pp.1984-2000, 2016 (SCI-Expanded)
- XI. **Assessment of the inhibition efficiency of 3,4-diaminobenzonitrile against the corrosion of steel**  
Siğircik G., Tüken T., Erbil M.  
CORROSION SCIENCE, vol.102, pp.437-445, 2016 (SCI-Expanded)
- XII. **Physical and electronic properties of electrodeposited ZnO thin films: dependence on thickness**  
Kicir N., Ozkendir O. M., Farha A. H., Kırmızıgül F., TÜKEN T., GÜMÜŞ C., ÇABUK S., ERBİL M., UFUKTEPE Y.  
INDIAN JOURNAL OF PHYSICS, vol.89, no.10, pp.1013-1023, 2015 (SCI-Expanded)
- XIII. **Electrosynthesis of ZnO nanorods and nanotowers: Morphology and X-ray Absorption Near Edge Spectroscopy studies**  
Siğircik G., Erken O., Tüken T., Gümüş C., Ozkendir O. M., Ufuktepe Y.  
APPLIED SURFACE SCIENCE, vol.340, pp.1-8, 2015 (SCI-Expanded)
- XIV. **Methyl 3-((2-mercaptophenyl) imino) butanoate as an effective inhibitor against steel corrosion in HCl solution**  
TANSUĞ G., TÜKEN T., SIĞIRCIK G., FINDIKKIRAN G., Giray E. S., ERBİL M.  
IONICS, vol.21, no.5, pp.1461-1475, 2015 (SCI-Expanded)
- XV. **Inhibition efficiency of aminobenzonitrile compounds on steel surface**  
SIĞIRCIK G., TÜKEN T., ERBİL M.  
APPLIED SURFACE SCIENCE, vol.324, pp.232-239, 2015 (SCI-Expanded)
- XVI. **A new corrosion inhibitor for copper protection**  
TANSUĞ G., TÜKEN T., Giray E. S., Findikkiran G., SIĞIRCIK G., DEMİRKOL O., ERBİL M.  
CORROSION SCIENCE, vol.84, pp.21-29, 2014 (SCI-Expanded)
- XVII. **Investigation of 2-aminoethanethiol as corrosion inhibitor for steel using response surface methodology (RSM)**  
TANSUĞ G., TÜKEN T., KICIR N., ERBİL M.  
IONICS, vol.20, no.2, pp.287-294, 2014 (SCI-Expanded)
- XVIII. **A comparative study of polymer films on steel from ionic liquid and aqueous solution**  
SIĞIRCIK G., TÜKEN T., ERBİL M.  
MATERIALS CHEMISTRY AND PHYSICS, vol.138, pp.823-832, 2013 (SCI-Expanded)
- XIX. **Self assembled film based on hexane-1,6-diamine and 2-mercapto-ethanol on copper**  
TÜKEN T., Kicir N., Elalan N. T., SIĞIRCIK G., ERBİL M.  
APPLIED SURFACE SCIENCE, vol.258, no.18, pp.6793-6799, 2012 (SCI-Expanded)
- XX. **Inhibition effect of 1-ethyl-3-methylimidazolium dicyanamide against steel corrosion**  
TÜKEN T., Demir F., Kicir N., SIĞIRCIK G., ERBİL M.  
CORROSION SCIENCE, vol.59, pp.110-118, 2012 (SCI-Expanded)
- XXI. **Polypyrrole film modified with electroless metal deposition**  
TÜKEN T., Cavusoglu A. B., Altunbas E., ERBİL M.  
PROGRESS IN ORGANIC COATINGS, vol.71, no.2, pp.153-161, 2011 (SCI-Expanded)
- XXII. **Anodizing and corrosion behaviour of aluminium**  
Mert B. D., Yazici B., TÜKEN T., KARDAŞ G., ERBİL M.  
PROTECTION OF METALS AND PHYSICAL CHEMISTRY OF SURFACES, vol.47, no.1, pp.102-107, 2011 (SCI-Expanded)
- XXIII. **Electrochemical synthesis and corrosion behaviour of poly (pyrrole-co-o-anisidine-co-o-toluidine)**  
Yalcinkaya S., TÜKEN T., Yazici B., ERBİL M.  
CURRENT APPLIED PHYSICS, vol.10, no.3, pp.783-789, 2010 (SCI-Expanded)
- XXIV. **Synthesis and characterization of a Schiff base derived from 2-aminobenzylamine and its Cu(II)**

- complex: electropolymerization of the complex on a platinum electrode**  
DEMETGÜL C., Deletioglu D., Karaca F., Yalcinkaya S., TİMUR M., SERİN S.  
JOURNAL OF COORDINATION CHEMISTRY, vol.63, no.12, pp.2181-2191, 2010 (SCI-Expanded)
- XXV. CONDUCTING POLYMERS AND CORROSION PROTECTION**  
TÜKEN T., ERBİL M., Yazici B.  
CORROSION PROTECTION: PROCESSES, MANAGEMENT AND TECHNOLOGIES, pp.187-231, 2009 (SCI-Expanded)
- XXVI. Electrochemical synthesis and characterization of poly(pyrrole-co-o-toluidine)**  
Yalcinkaya S., Tueken T., Yazici B., ERBİL M.  
PROGRESS IN ORGANIC COATINGS, vol.63, no.4, pp.424-433, 2008 (SCI-Expanded)
- XXVII. Electrochemical synthesis and corrosion performance of poly(pyrrole-co-o-anisidine)**  
Yalcinkaya S., TÜKEN T., Yazici B., ERBİL M.  
PROGRESS IN ORGANIC COATINGS, vol.62, no.2, pp.236-244, 2008 (SCI-Expanded)
- XXVIII. Graphite intercalated polymer coatings on stainless steel**  
Tuken T., Yazici B., Erbil M.  
SURFACE & COATINGS TECHNOLOGY, vol.202, no.3, pp.425-432, 2007 (SCI-Expanded)
- XXIX. Poly(N-methyl pyrrole) and its copolymer with pyrrole for mild steel protection**  
Tueken T., Tansug G., Yazici B., Erbil M.  
SURFACE & COATINGS TECHNOLOGY, vol.202, no.1, pp.146-154, 2007 (SCI-Expanded)
- XXX. Mild steel protection with epoxy top coated polypyrrole and polyaniline in 3.5% NaCl**  
Tansug G., Tuken T., Ozylmaz A. T., Erbil M., Yazici B.  
CURRENT APPLIED PHYSICS, vol.7, no.4, pp.440-445, 2007 (SCI-Expanded)
- XXXI. Polypyrrole films modified with graphite layer on mild steel**  
Tuken T., Tansug G., Yazici B., Erbil M.  
PROGRESS IN ORGANIC COATINGS, vol.59, no.1, pp.88-94, 2007 (SCI-Expanded)
- XXXII. Polypyrrole modified nickel coating on mild steel**  
Tuken T., Yazic B., Erbil M.  
MATERIALS & DESIGN, vol.28, no.1, pp.208-216, 2007 (SCI-Expanded)
- XXXIII. Zinc modified polypyrrole coating on mild steel**  
Tuken T.  
SURFACE & COATINGS TECHNOLOGY, vol.201, no.6, pp.2782-2790, 2006 (SCI-Expanded)
- XXXIV. Zinc modified polyaniline coating for mild steel protection**  
Tuken T., Yazici B., Erbil M.  
MATERIALS CHEMISTRY AND PHYSICS, vol.99, pp.459-464, 2006 (SCI-Expanded)
- XXXV. The use of polyindole for prevention of copper corrosion**  
Tuken T., Yazici B., Erbil M.  
SURFACE & COATINGS TECHNOLOGY, vol.200, pp.4802-4809, 2006 (SCI-Expanded)
- XXXVI. Polypyrrole films on stainless steel**  
Tuken T.  
SURFACE & COATINGS TECHNOLOGY, vol.200, pp.4713-4719, 2006 (SCI-Expanded)
- XXXVII. The corrosion behaviour of polypyrrole coating synthesized in phenylphosphonic acid solution**  
Tuken T., Yazici B., Erbil M.  
APPLIED SURFACE SCIENCE, vol.252, no.6, pp.2311-2318, 2006 (SCI-Expanded)
- XXXVIII. Zinc deposited polymer coatings for copper protection**  
Tuken T.  
PROGRESS IN ORGANIC COATINGS, vol.55, no.1, pp.60-65, 2006 (SCI-Expanded)
- XXXIX. Electrochemical synthesis of polyindole on nickel-coated mild steel and its corrosion performance**  
Tuken T., Yazici B., Erbil A.  
SURFACE & COATINGS TECHNOLOGY, vol.200, no.7, pp.2301-2309, 2005 (SCI-Expanded)
- XL. Polypyrrole films on nickel-plated copper**  
Tuken T., Yazici B., Erbil M.  
PROGRESS IN ORGANIC COATINGS, vol.54, no.4, pp.372-376, 2005 (SCI-Expanded)

- XLI. **Polypyrrole/polythiophene coating for copper protection**  
 Tuken T., Yazici B., Erbil M.  
 PROGRESS IN ORGANIC COATINGS, vol.53, no.1, pp.38-45, 2005 (SCI-Expanded)
- XLII. **The electrochemical synthesis and corrosion performance of polyaniline on copper**  
 Ozyilmaz A., Tuken T., Yazici B., Erbil M.  
 PROGRESS IN ORGANIC COATINGS, vol.52, no.2, pp.92-97, 2005 (SCI-Expanded)
- XLIII. **Electrochemical synthesis of polythiophene on nickel coated mild steel and corrosion performance**  
 Tuken T., Yazici B., Erbil M.  
 APPLIED SURFACE SCIENCE, vol.239, pp.398-409, 2005 (SCI-Expanded)
- XLIV. **The use of polythiophene for mild steel protection**  
 Tuken T., Yazici B., Erbil M.  
 PROGRESS IN ORGANIC COATINGS, vol.51, no.3, pp.205-212, 2004 (SCI-Expanded)
- XLV. **The corrosion protection of mild steel by polypyrrole/polyphenol multilayer coating**  
 Tuken T., Arslan G., Yazici B., Erbil M.  
 CORROSION SCIENCE, vol.46, no.11, pp.2743-2754, 2004 (SCI-Expanded)
- XLVI. **The electrochemical synthesis and corrosion performance of polypyrrole on brass and copper**  
 Tuken T., Yazici B., Erbil M.  
 PROGRESS IN ORGANIC COATINGS, vol.51, no.2, pp.152-160, 2004 (SCI-Expanded)
- XLVII. **Polypyrrole and polyaniline top coats on nickel coated mild steel**  
 Tuken T., Ozyilmaz A., Yazici B., Kardas G., Erbil M.  
 PROGRESS IN ORGANIC COATINGS, vol.51, no.1, pp.27-35, 2004 (SCI-Expanded)
- XLVIII. **Electrochemical synthesis of polyaniline on mild steel in acetonitrile-LiClO<sub>4</sub> and corrosion performance**  
 Tuken T., Ozyilmaz A., Yazici B., Erbil M.  
 APPLIED SURFACE SCIENCE, vol.236, pp.292-305, 2004 (SCI-Expanded)
- XLIX. **A new multilayer coating for mild steel protection**  
 Tuken T., Yazici B., Erbil M.  
 PROGRESS IN ORGANIC COATINGS, vol.50, no.2, pp.115-122, 2004 (SCI-Expanded)
- L. **The preparation of polypyrrole coated brass and copper electrodes for electrocatalysis**  
 Tuken T., Arslan G., Yazici B., Erbil M.  
 PROGRESS IN ORGANIC COATINGS, vol.49, no.2, pp.153-159, 2004 (SCI-Expanded)
- LI. **The effect of nicotinamide on iron corrosion in chloride solutions**  
 Tuken T., Yazici B., Erbil M.  
 TURKISH JOURNAL OF CHEMISTRY, vol.26, no.5, pp.735-742, 2002 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Electrochemical Synthesis of CdSe and CdSe/ZnO Films: Morphological, Structural and Electronic Properties**  
 SIĞIRCIK G., TÜKEN T.  
 Çukurova Üniversitesi Mühendislik Fakültesi dergisi, vol.37, no.2, pp.555-568, 2022 (Peer-Reviewed Journal)
- II. **ATMOSPHERIC CORROSION BEHAVIOR OF HOT-DIP GALVANIZED AND CONTINUOUS GALVANIZED STEEL**  
 SIĞIRCIK G., Yıldırım O., TÜKEN T.  
 ACTA METALLURGICA SLOVACA, vol.28, no.3, pp.117-126, 2022 (ESCI)

## Books & Book Chapters

- I. **Organic Corrosion Inhibitors and Industrial Applications**

TANSUĞ G., TÜKEN T.

in: Corrosion Inhibitors Principles Mechanisms and Applications, Esther Hart, Editor, Nova Science Publishers, New York, pp.1-26, 2017

**II. Organic Corrosion Inhibitors and Industrial Applications**

TANSUĞ G., TÜKEN T.

in: Corrosion Inhibitors: Principles, Mechanisms and Applications, Hart E, Editor, NOVA Publications , Hauppauge Ny, pp.1-25, 2016

**III. Corrosion Protection: Processes, Management and Technologies**

TÜKEN T., YAZICI B., ERBİL M.

Nova Science Publishers Inc, Newyork, 2009

**IV. Conducting polymers and corrosion protection**

TÜKEN T.

in: Corrosion Protection: Processes, Management and Technologies, I.S. Wang, Editor, Nova Science Publisher Inc., New York, pp.187-231, 2009

**Refereed Congress / Symposium Publications in Proceedings**

**I. Cut Edge Corrosion Performance of Continuous Galvanized Steel**

TÜKEN T., Yıldırım Ö., SIĞIRCIK G.

European Corrosion Congress (EUROCORR) 2021, 20 - 24 September 2021

**II. A Copper Oxide (CuO) Thin Films Deposited by Spray Pyrolysis Method**

Bellal Y., Bouhank A., Serrar H., TÜKEN T., SIĞIRCIK G.

International Conference on Materials Science and Manufacturing Engineering (MSME 2018), 8 - 10 November 2018

**III. A Copper Oxide (CuO) Thin Films Deposited by Spray Pyrolysis Method<bold> </bold>**

Bellal Y., Bouhank A., Serrar H., TÜKEN T., SIĞIRCIK G.

International Conference on Materials Science and Manufacturing Engineering (MSME), Paris, France, 8 - 10 November 2018, vol.253

**IV. NANOSTRUCTURED ZnO PREPARED BY SPIN COATING TECHNIQUE: OPTICAL AND STRUCTURAL PROPERTIES**

SIĞIRCIK G., TÜKEN T.

2nd International Conference on Material Science and Technology in Cappadocia (IMSTEC'17), 11 - 13 October 2017

**V. ELECTROCHEMICAL EFFECT ON DEVELOPED CARBON PASTE ASCORBİC ACİD**

ÇETİN İ., TÜKEN T.

2nd International Conference on Material Science and Technology in Cappadocia (IMSTEC'17), 11 - 13 October 2017

**VI. Silver Coated Zinc Oxide Nanorods, Nanoflowers and Nanoplates Fabricate on ITO Surface as SERS Active Substrate**

KİBAR G., DANA A., TÜKEN T.

E-MRS 2017, varşova, Poland, 18 - 22 September 2017

**VII. Investigation Of Optically Stimulate Luminescence Characteristics Of Lib<sub>3</sub>O<sub>5</sub>: Pr, K, Cu, Na Phosphor**

GÜÇKAN V., DEPCİ T., ALTUNAL V., ÖZDEMİR A., KURT K., NUR N., TÜKEN T., SIĞIRCIK G., TANSUĞ G., YAN Y., et al.

3rd International Conference On Theoretical And Experimental Studies In Nuclear Applications And Technology, Adana, Turkey, 10 - 12 May 2017

**VIII. Determination Of Potential Use Of Li<sub>2</sub>b<sub>4</sub>O<sub>7</sub>:ag,tb For Dosimetry Purposes Using Osl Technique**

ÖZDEMİR A., GÜÇKAN V., ALTUNAL V., DEPCİ T., NUR N., KURT K., AKYOL M., TÜKEN T., HEREYTANİ E., TANSUĞ G., et al.

3rd International Conference On Theoretical And Experimental Studies In Nuclear Applications And Technology, Adana, Turkey, 10 - 12 May 2017

- IX. A Preminarly Study Of Lib<sub>3</sub>O<sub>5</sub>:ce,k,cu,na Phosphor For Optically Stimulated Luminescence Dosimetry**  
ALTUNAL V., DEPCİ T., ÖZDEMİR A., GÜÇKAN V., KURT K., NUR N., TÜKEN T., TANSUĞ G., SIĞIRCIK G., YAN Y., et al.  
3rd International Conference On Theoretical And Experimental Studies In Nuclear Applications And Technology,  
Adana, Turkey, 10 - 12 May 2017
- X. Osl Study Of Lib<sub>3</sub>O<sub>5</sub>:nd, K, Cu, Na Samples Synthesized By Solid State Method**  
ÖZDEMİR A., DEPCİ T., ALTUNAL V., GÜÇKAN V., KURT K., NUR N., TÜKEN T., TANSUĞ G., SIĞIRCIK G., YAN Y., et al.  
3rd International Conference On Theoretical And Experimental Studies In Nuclear Applications And Technology,  
Adana, Turkey, 10 - 12 May 2017
- XI. Investigation of OSL characteristics of LiB<sub>3</sub>O<sub>5</sub>:Pr, K, Cu, Na phosphor**  
Güçkan V., DEPCİ T., Altunal V., Özdemir A., KURT K., NUR N., TÜKEN T., TANSUĞ G., SIĞIRCIK G., Yu Y., et al.  
3rd International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology, 10  
- 12 May 2017
- XII. OSL study of LiB<sub>3</sub>O<sub>5</sub>: Nd, K,Cu,Na samples synthesized by Solid State Method**  
Özdemir A., Depci T., ALTUNAL V., Güçkan V., Kurt K., Nur N., TÜKEN T., TANSUĞ G., SIĞIRCIK G., Yu Y., et al.  
3rd International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology,  
Adana, Turkey, 10 - 12 May 2017, pp.155
- XIII. Determination of potential use of Li<sub>2</sub>B<sub>4</sub>O<sub>7</sub>:Ag,Tb for dosimetry purposes using OSL technique**  
Özdemir A., Güçkan V., Altunal V., Depci T., NUR N., KURT K., AKYOL M., TUKEN T., Hereytani E. B., İflazoğlu S., et al.  
3rd International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology,  
Adana, Turkey, 10 - 12 May 2017, pp.154
- XIV. Preliminary study of LiB<sub>3</sub>O<sub>5</sub>:Ce, K, Cu, Na phosphor for OSL dosimetry**  
ALTUNAL V., Depci T., Özdemir A., Güçkan V., Kurt K., Nur N., TÜKEN T., TANSUĞ G., SIĞIRCIK G., Yu Y., et al.  
3rd International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology,  
Adana, Turkey, 10 - 12 May 2017, pp.159
- XV. Comparison of phytochemical components of the roots, leaves and fruits of two Mndragora species  
in Turkey**  
ÇAKAN H., TÜKEN T., ÖZKAN H., KAVAK S., Kıcı̄r N.  
Internationaş Symposium Biodiversity and Edible Wild Species, 3 - 05 April 2017
- XVI. Comparison Of Phytochemical Components Of The Roots, Leaves And Fruits Of Two Mandragora  
Species In Turkey**  
ÇAKAN H., TÜKEN T., ÖZKAN H., KICIR N., KAVAK S.  
International Symposium On Biodiversity And Edible Wild Species, 3 - 05 April 2017, no.1
- XVII. Gıda Katkılarına Duyarlı Karbon Pasta Elektrot Geliştirilmesi**  
Çetin İ., TÜKEN T.  
1st International Mediterranean Science and Engineering Congress (IMSEC 2016), 26 - 28 October 2016
- XVIII. Electrodeposition and Characterization of ZnTe on ITO Electrode**  
SIĞIRCIK G., TÜKEN T.  
1st International Mediterranean Science and Engineering Congress (IMSEC 2016), Adana, Turkey, 26 - 28 October  
2016, pp.4562
- XIX. Inhibition of Brass Corrosion in Urban Rainwater**  
SIĞIRCIK G., TANSUĞ G., TÜKEN T.  
European Corrosion Congress (EUROCORR) 2016, 11 - 15 September 2016
- XX. Corrosion Protection of Copper in Simulated Cooling Water**  
SIĞIRCIK G., TÜKEN T., ERBİL M.  
European Corrosion Congress (EUROCORR) 2016, Montpellier, France, 11 - 15 September 2016
- XXI. The evaluation of photocorrosion of nanostructured ZnO thin films**  
Kıcı̄r N., TÜKEN T.  
European Corrosion Congress (EUROCORR) 2016, 11 - 15 September 2016
- XXII. Inhibition of brass corrosion urban rainwater**  
SIĞIRCIK G., TANSUĞ G., TÜKEN T.  
European Corrosion Congress, 11 - 15 September 2016

- XXIII. Protection of Bronze Against Atmospheric Corrosion In Urban Air**  
TANSUĞ G., SIĞIRCIK G., TÜKEN T.  
European Corrosion Congress (EUROCORR) 2016, Montpellier, France, 11 - 15 September 2016
- XXIV. Thermoluminescence of Li<sub>2</sub>B4O<sub>7</sub>:Cu and Li<sub>2</sub>B4O<sub>7</sub>:Cu,B: a comparative study**  
Özdemir A., Depci T., Nur N., ALTUNAL V., Güçkan V., Kurt K., TÜKEN T., TANSUĞ G., SIĞIRCIK G., Lawrence Y., et al.  
18th International Conference on Solid State Dosimetry, Münih, Germany, 3 - 08 July 2016
- XXV. Thermoluminescence of Li<sub>2</sub>B4O<sub>7</sub>:Cu and Li<sub>2</sub>B4O<sub>7</sub>:Cu,B : A comparative study**  
Özdemir A., Depci T., NUR N., Altunal V., Güçkan V., KURT K., TUKEN T., TANSUG G., SIGIRCIK G., Lawrence Y., et al.  
18th International Conference on Solid State Dosimetry, Munih, Germany, 3 - 08 July 2016, pp.403
- XXVI. THERMOLUMINESCENCE STUDY OF Mn DOPED LITHIUMTETRABORATE POWDER AND PELLET SAMPLESSYNTHESIZED BY SULUTION COMBUSTION SYNTHESIS**  
Özdemir A., YEĞİNGİL Z., NUR N., KURT K., TÜKEN T., DEPCİ T., TANSUĞ G., ALTUNAL V., Güçkan V.  
The 9th International Conference on Luminescence and ESR Dosimetry, 2 - 04 September 2015
- XXVII. SELF ASSEMBLED FILM OF THIOL COMPOUNDS ON BRONZE**  
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- XXVIII. Self Assembled Film of Thiol Compounds on Bronze**  
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- XXIX. The synthesis and inhibition efficiency of 2-(2-aminoethylamino)-1- phenylethanol**  
SIĞIRCIK G., YILDIRIM D., TÜKEN T., ERBİL M.  
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- XXX. Ammonium 2 4 dimethylphenyl dithiocarbamateas an environmentally friendly corrosion inhibitor for steel**  
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- XXXI. Thermoluminescence study of Mn doped lithium tetraborate powder and pellet samples synthesized by Solution Combustion Synthesis**  
Özdemir A., YEĞİNGİL Z., Nur N., Kurt K., TÜKEN T., Depci T., TANSUĞ G., Altunal V., Güçkan V., SIĞIRCIK G., et al.  
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- XXXII. Intercomparison of OSL Dose Characteristics Obtained From BeO Nanophosphors Synthesized Using SOL-GEL and Polyacrylamide Methods**  
Altunal V., YEĞİNGİL Z., TÜKEN T., TANSUĞ G., Kurt K., Depci T., SIĞIRCIK G., Özdemir A., Güçkan V., Nur N., et al.  
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- XXXIV. Inhibition Efficiency of 3,4-diaminobenzonitrile Against Steel Corrosion**  
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- XXXV. Inhibitor for Galvanically Coupled Copper/Steel System**  
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- XXXVI. Electrochemically Deposited ZnO Nanorods for Photocatalytic Oxidation**  
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- XXXVII. Electrochemical CdSe Synthesis and Photocatalytic Efficiency**

- SIĞIRCIK G., TÜKEN T., ERBİL M.  
5th National Catalysis Conference, Adana, Turkey, 23 - 26 April 2014, pp.420
- XXXVIII. **Ni-doped ZnO Nanorod Synthesis and Investigation of Photocatalytic Efficiency**  
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- XXXIX. **Electrochemical techniques for tribocorrosion investigations of polyurea greases**  
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- XL. **Inhibition Behaviour of Benzonitriles on Mild Steel in HCl Solution**  
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- XLI. **Evaluation of Thermal Stability of Grease Films with EIS Measurement**  
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- XLII. **Şarj Olabilen Pillerde İletken Polimerlerin Uygulaması**  
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VI. Yeni ve Yenilenebilir Enerji Kaynakları Sempozyumu, Kayseri, Turkey, 21 - 22 October 2011, pp.712-722
- XLIII. **Electrochemistry of Polypyrrole Films Synthesized from Ionic Liquid and Aqueous Environment**  
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9th International Electrochemistry Meeting in Turkey, İzmir, Turkey, 25 - 29 September 2011, pp.59
- XLIV. **Electrochemistry of Polythiophene Films Deposited in Different Environment**  
SIĞIRCIK G., TÜKEN T., ERBİL M.  
9th International Electrochemistry Meeting in Turkey, İzmir, Turkey, 25 - 29 September 2011, pp.254
- XLV. **Inhibition Effect of 1-ethyl-3-methylimidazolium Dicyanamide on Steel**  
Kicir N., Demir F., SIĞIRCIK G., Elalan N., Çetin İ., TÜKEN T., ERBİL M.  
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SIĞIRCIK G., Hoplamaz E., TÜKEN T., ERBİL M.  
XII. Uluslararası Korozyon Sempozyumu, Eskişehir, Turkey, 6 - 09 October 2010, pp.155-162
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- LII. **Paslanmaz çelik üzerinde PPY PmPy ve bunların kopolimerlerinin korozyon dayanımlarının araştırılması**  
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- LIV. **Mild steel protection with epoxy top coated polypyrrole and polyaniline in 3 5 NaCl**  
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X. International Corrosion Symposium, 1 - 04 November 2006, pp.394
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- LVI. **İletken Polimer PANI ve PPy üzeri epoksi boyalı kaplı karbon celiginin 3 5 NaCl cozeltisindeki korozyon davranışları**  
TANSUĞ G., ERBİL M., YAZICI B., ÖZYILMAZ A. T., TÜKEN T.  
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## Supported Projects

- TÜKEN T., Küçüktonbak N. D., Project Supported by Higher Education Institutions, Spin Kaplama Tekniği ile ZnO/poli3-hekziltiyofen Kaplama ve Korozyon Davranışları, 2017 - 2021
- TÜKEN T., SIĞIRCIK G., Project Supported by Higher Education Institutions, Spin Kaplama Tekniği ile ZnO Film Sentezi, 2016 - 2020
- TÜKEN T., Project Supported by Higher Education Institutions, Gıda Katkılarına Duyarlı Elektrokimyasal Sensör Geliştirilmesi, 2014 - 2020
- TÜKEN T., KICIR N., SIĞIRCIK G., Project Supported by Higher Education Institutions, Uluslararası Yayınları Özendirme Desteği (Yayın Teşvik-3 Adet), 2016 - 2018
- TÜKEN T., KICIR N., Project Supported by Higher Education Institutions, NANOVAPILI ZnO FİMLERİN ELEKTROKİMYASAL SENZEZİ, Mn VE Al KATKILAMA VE FOTOKATALİTİK ETKİNLİKLERİ, 2014 - 2018
- YEĞİNGİL Z., KURT K., Altunal V., Özdemir A., TÜKEN T., Güçkan V., SIĞIRCIK G., TANSUĞ G., Project Supported by Higher Education Institutions, İyonlaşma radyasyonuna maruz kalan halkın triajı için yeni acil durum dozimetresi geliştirilmesi, 2015 - 2017
- TÜKEN T., AKIN D., Project Supported by Higher Education Institutions, Kloramfenikol'ün Tayini İçin Elektrokimyasal Sensör Geliştirilmesi, 2014 - 2017
- TÜKEN T., SIĞIRCIK G., Project Supported by Higher Education Institutions, Ni KATKILI ZnO, CdSe VE CdSe/ZnO FOTOAKTİF MALZEME GELİŞTİRİLMESİ, 2013 - 2017
- TANSUĞ G., SIĞIRCIK G., TÜKEN T., Project Supported by Higher Education Institutions, Protection of Bronze Against Atmospheric Corrosion in Urban Air, 2016 - 2016
- TÜKEN T., SIĞIRCIK G., TANSUĞ G., Project Supported by Higher Education Institutions, Inhibition of Brass Corrosion in Urban Rainwater, 2016 - 2016
- TÜKEN T., KICIR N., Project Supported by Higher Education Institutions, Elektrokimyasal Yöntem ile Farklı Morfolojilerde ZnO Nanoyapıların Hazırlanması ve Organik Kirleticilerin Fotokatalitik Giderilmesi ile Hidrojen Eldesi, 2015 - 2016
- TÜKEN T., SIĞIRCIK G., KICIR N., Project Supported by Higher Education Institutions, Uluslararası Yayınları Özendirme Desteği (Yayın Teşvik-2 Adet), 2015 - 2016
- TÜKEN T., Project Supported by Higher Education Institutions, Uluslararası Yayınları Özendirme Desteği (Yayın Teşvik-2 Adet), 2015 - 2015
- TÜKEN T., Project Supported by Higher Education Institutions, Elektrokimyasal Analiz Cihazının Bakım ve Onarımı, 2015 - 2015
- TÜKEN T., Project Supported by Higher Education Institutions, Uluslararası Yayınları Özendirme Desteği (3 Adet), 2014 - 2015
- TÜKEN T., ERBİL M., Project Supported by Higher Education Institutions, Yarı İletken ZnTe Sentezi, Karakterizasyonu ve Geliştirilmesi, 2013 - 2015
- TÜKEN T., Project Supported by Higher Education Institutions, Polipirol-PET (polietilen teraftalat ) kompozit geliştirilmesi, 2012 - 2014

Hasanoğlu A., Tüken T., Irmak S., Erbatur O., TUBITAK Project, Mikrobiyal Elektroliz Yönlüğüyle Organik Materyalce Zengin Atık Sulardan ve Lignoselülozik Biyokütle Hidroliz Çözeltilerinden Hidrojen Gazi Eldeci, 2011 - 2013  
TÜKEN T., Industrial Thesis Project, Sabunsuz poliüre greslerinin geliştirilmesi, 2009 - 2011  
TÜKEN T., TUBITAK Project, Grafit ile modifiye polimer esaslı katalitik elektrot geliştirilmesi, 2008 - 2010

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

European Federation of Corrosion, Consultant, 2014 - Continues

## **Metrics**

Publication: 117

Citation (WoS): 1493

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H-Index (WoS): 25

H-Index (Scopus): 25

## **Non Academic Experience**

Çukurova Üniversitesi