

Asst. Prof. Tuba ÜNSAL ÖZGÜVENÇ

Personal Information

Office Phone: [+90 212 440 0000](tel:+902124400000) Extension: 26055

Email: tunsal@istanbul.edu.tr

Web: <https://avesis.istanbul.edu.tr/tunsal>

International Researcher IDs

ORCID: 0000-0003-0057-1260

Publons / Web Of Science ResearcherID: M-9321-2019

ScopusID: 56178265500

Yoksis Researcher ID: 325249

Education Information

Post Doctorate, Istanbul University, Deniz Bilimleri ve İşletmeciliği Enstitüsü, Deniz Bilimleri ve İşletmeciliği Bölümü, Turkey 2019 - 2020

Post Doctorate, Ohio University, Russ College of Engineering and Technology, Chemical and Biomolecular Engineering, United States Of America 2019 - 2019

Post Doctorate, Ohio University, Russ College of Engineering and Technology, Institute for Corrosion and Multiphase Technology, United States Of America 2017 - 2018

Doctorate, Istanbul University, Faculty Of Science, Department of Biology, Turkey 2010 - 2016

Postgraduate, Nigde Omer Halisdemir University, Institute Of Science, Biyoloji, Turkey 2008 - 2010

Undergraduate, Nigde Omer Halisdemir University, Faculty Of Arts And Sciences, Department Of Biology, Turkey 2004 - 2008

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Vocational Training, Microbiologically Influenced Corrosion , NACE International - The Worldwide Corrosion Authority , 2019

Occupational Health and Safety, Chemical Hygiene Training, Ohio University, 2018

Vocational Training, Elektrokimyasal Empedans Spektroskopisi, Referans Kimya-Gamry, 2014

Vocational Training, Nanoyapı Modifiye Elektrokimyasal ve Biyoelektrokimyasal Sistemler, Muğla Sıtkı Koçman Üniversitesi, 2013

Health&Medicine, İlkyardım, İstanbul Büyükşehir Belediyesi, 2004

Dissertations

Doctorate, GÜMÜŞ-BAKIR İYONLARININ GALVANİZLİ ÇELİĞİN MİKROBİYOLOJİK KOROZYONUNA ETKİSİ, Istanbul University, Institute of Graduate Studies In Sciences, Biyoloji, 2016

Postgraduate, TUZ GÖLÜ'NDEN İZOLE EDİLEN AEROBİK MEZOFİLİK MİKROORGANİZMALARIN PASLANMAZ ÇELİKTE

Research Areas

Marine Sciences and Technology, Oceanography, Material science and engineering, Corrosion and Corrosion Protection, Microbiology, Bacteriology, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Istanbul University, Deniz Bilimleri ve İşletmeciliği Enstitüsü, Deniz Bilimleri ve İşletmeciliği Bölümü, 2020 - Continues

Research Assistant PhD, Ohio University, Russ College of Engineering and Technology, 2019 - 2019

Courses

ELEKTROKİMYASAL KOROZYON ÖLÇME YÖNTEMLERİ, Doctorate, 2023 - 2024, 2021 - 2022

MICROBIOLOGICALLY INFLUENCED CORROSION IN SEAWATER, Postgraduate, 2023 - 2024, 2021 - 2022

Jury Memberships

Competition, XIV. Fen Bilimleri Şenliği ve Proje Yarışması, Istanbul University, April, 2017

Competition, XIV. Fen Bilimleri Şenliği ve Proje Yarışması, Istanbul University, April, 2016

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Long-term Evaluation of Culturable Fungi in a Natural Aging Biofilm on Galvanised Steel Surface**
Kadaifciler D. G., ÜNSAL ÖZGÜVENÇ T., SUNGUR E.
JOHNSON MATTHEY TECHNOLOGY REVIEW, vol.68, no.1, pp.60-70, 2024 (SCI-Expanded)
- II. **Occurrence, bioconcentration, and human health risks of pharmaceuticals in biota in the Sea of Marmara, T?rkiye**
Korkmaz N., Caglar N., Aksu A., Ünsal Özgüvenç T., Balcioğlu E. B., Cavus Arslan H., Demirel N.
CHEMOSPHERE, vol.325, 2023 (SCI-Expanded)
- III. **Microbiologically influenced corrosion of titanium by *Desulfovibrio vulgaris* biofilm under organic carbon starvation**
Ünsal Özgüvenç T., Xu L., Jia R., Kijlka P., Kumseranee S., Punpruk S., Mohamed M. E., Saleh M. A., Gu T.
BIOELECTROCHEMISTRY, vol.149, pp.1-9, 2023 (SCI-Expanded)
- IV. **Mitigation of carbon steel biocorrosion using a green biocide enhanced by a nature-mimicking anti-biofilm peptide in a flow loop**
Wang D., Unsal T., Kumseranee S., Punpruk S., Saleh M. A., Alotaibi M. D., Xu D., Gu T.
Bioresources and Bioprocessing, vol.9, no.1, pp.1-10, 2022 (SCI-Expanded)
- V. **The influence of Ag-Cu ions on natural biofilms of variable ages: Evaluation of MIC.**
Unsal T., Cansever N., İlhan-Sungur E.
Bioelectrochemistry (Amsterdam, Netherlands), vol.146, pp.108143, 2022 (SCI-Expanded)
- VI. **Food-grade D-limonene enhanced a green biocide in the mitigation of carbon steel biocorrosion by a mixed-culture biofilm consortium**
ÜNSAL ÖZGÜVENÇ T., Wang D., Kijlka P., Kumseranee S., Punpruk S., Mohamed M. E., Saleh M. A., Gu T.
BIOPROCESS AND BIOSYSTEMS ENGINEERING, vol.45, no.4, pp.669-678, 2022 (SCI-Expanded)

- VII. **D-Tyrosine enhancement of microbiocide mitigation of carbon steel corrosion by a sulfate reducing bacterium biofilm.**
Unsal T, Wang D, Kumseranee S, Punpruk S, Gu T.
World journal of microbiology & biotechnology, vol.37, pp.103, 2021 (SCI-Expanded)
- VIII. **Assessment of 2,2-Dibromo-3-Nitrilopropionamide Biocide Enhanced by D-Tyrosine against Zinc Corrosion by a Sulfate Reducing Bacterium**
ÜNSAL ÖZGÜVENÇ T, Wang D, Kumseranee S, Punpruk S, Mohamed M. E., Saleh M. A., Gu T.
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.60, no.10, pp.4009-4018, 2021 (SCI-Expanded)
- IX. **Sulfate reducing bacterium *Desulfovibrio vulgaris* caused severe microbiologically influenced corrosion of zinc and galvanized steel**
Wang D, Ünsal T, Kumseranee S, Punpruk S, Mohamed M. E., Saleh M. A., Gu T.
International Biodeterioration and Biodegradation, vol.157, 2021 (SCI-Expanded)
- X. **Effects of ferrous ion concentration on microbiologically influenced corrosion of carbon steel by sulfate reducing bacterium *Desulfovibrio vulgaris***
Jia R, Wang D, Jin P, Unsal T, Yang D, Yang J, Xu D, Gu T.
Corrosion Science, vol.153, pp.127-137, 2019 (SCI-Expanded)
- XI. **Laboratory investigation of microbiologically influenced corrosion of carbon steel in hydrotest using enriched artificial seawater inoculated with an oilfield biofilm consortium**
Unsal T, Jia R, Kumseranee S, Punpruk S, Gu T.
Engineering Failure Analysis, vol.100, pp.544-555, 2019 (SCI-Expanded)
- XII. **Toward a better understanding of microbiologically influenced corrosion caused by sulfate reducing bacteria**
Gu T, Jia R, Unsal T, Xu D.
Journal of Materials Science and Technology, vol.35, no.4, pp.631-636, 2019 (SCI-Expanded)
- XIII. **Microbiologically influenced corrosion and current mitigation strategies: A state of the art review**
Jia R, Unsal T, Xu D, Lekbach Y, Gu T.
International Biodeterioration and Biodegradation, vol.137, pp.42-58, 2019 (SCI-Expanded)
- XIV. **Impact of biofilm in the maturation process on the corrosion behavior of galvanized steel: long-term evaluation by EIS**
Unsal T, Cansever N, İlhan-Sungur E.
World Journal of Microbiology and Biotechnology, vol.35, 2019 (SCI-Expanded)
- XV. **Effects of Ag and Cu ions on the microbial corrosion of 316L stainless steel in the presence of *Desulfovibrio sp.***
Unsal T, İlhan-Sungur E, Arkan S, CANSEVER N.
Bioelectrochemistry, vol.110, pp.91-99, 2016 (SCI-Expanded)
- XVI. **Microbiologically influenced corrosion of galvanized steel by *Desulfovibrio sp.* and *Desulfosporosinus sp.* in the presence of Ag-Cu ions**
İlhan-Sungur E, Unsal-Istek T, CANSEVER N.
Materials Chemistry and Physics, vol.162, pp.839-851, 2015 (SCI-Expanded)
- XVII. **The activity of oxygenic photosynthetic microbial consortia on different granites Oksijenik fotosentetik mikrobiyal topluluğun farklı granitler üzerindeki aktivitesi**
Ozturk A, Karaca Z, Unsal T.
Ekoloji, vol.23, no.90, pp.90-96, 2014 (SCI-Expanded)

Articles Published in Other Journals

- I. **Pre-study of the evaluation of ecological sessile succession and their relationship with bacteria on concrete artificial reef material**
Gül B, Ünsal Özgüvenç T.
International Journal of Environment and Geoinformatics, vol.11, no.1, pp.30-35, 2024 (Peer-Reviewed Journal)

- II. **Enumeration of Aerobic Heterotrophic Bacteria in Early-Stage of Biofilm Formed on Different Plastic Types**
ÜNSAL ÖZGÜVENÇ T., BALKIS N.
International Journal of Environment and Geoinformatics, 2023 (Peer-Reviewed Journal)
- III. **Effect of Seasonal Changes on Steroid Hormones Concentrations in the Golden Horn Estuary (Sea of Marmara, Turkey)**
Korkmaz N., Çağlar N., Aksu A., Ünsal T.
International Journal of Environment and Geoinformatics, vol.7, no.2, pp.157-164, 2020 (Peer-Reviewed Journal)
- IV. **BİYOFİLM OLUŞUMUNUN GALVANİZLİ ÇELİĞİN BİYOKOROZYONUNA ETKİSİNİN ELEKTROKİMYASAL YÖNTEMLERLE İNCELENMESİ**
Ünsal T., Sungur E., Cansever N.
Engineering Sciences, vol.12, no.3, pp.149-157, 2017 (Peer-Reviewed Journal)
- V. **Soğutma Kulelerinde Kullanılan Galvanizli Çelik ve 316L Paslanmaz Çeliğin Mikrobiyolojik Korozyon Davranışları**
Ünsal T., Sungur E., Arkan S., Cansever N.
Korozyon Dergisi, vol.21, pp.27-32, 2015 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **What is happening on Mars?**
Ünsal Özgüvenç T., Yücel S., Çağlar Balkis N., Aksu A., Taşkın Ö. S., Çetintaşoğlu M. E., Bilgin İ. R., Korkmaz N., Balcioğlu İlhan E. B., Ongan Rabba D.
AMPP_Chapter/Italy 3. Corrosion and Expo , Genoa, Italy, 9 - 11 June 2024, pp.1-4
- II. **Salda Gölü'nden izole edilen sülfat indirgeyen bakteriler (SRB) içeren karışık bakteri kültürü varlığında alüminyum 7075 (AA7075) alaşımının mikrobiyolojik korozyon davranışının incelenmesi**
Ünsal Özgüvenç T., Yücel S., Çağlar Balkis N., Aksu A., Taşkın Ö. S., Çetintaşoğlu M. E., Bilgin İ. R., Korkmaz N., Balcioğlu İlhan E. B., Ongan Rabba D.
16.Uluslararası Korozyon Sempozyumu KORSEM'24, Karaman, Turkey, 23 - 25 May 2024, pp.1-2
- III. **Marmara Denizi'nde 2021 Müsilaj Olayından Sonra Mikrobiyal Su Kalitesinin Değerlendirilmesi**
Zeki Stumpfheldt S., Murat Dalkara E., Çelik S., Bayırhan İ., Ülker D., Ünsal Özgüvenç T., Aksu A., Balcioğlu İlhan E. B., Çardak M., Gazioğlu C.
6. Ulusal Deniz Bilimleri Konferansı, Rize, Turkey, 15 - 17 May 2024, pp.1-2
- IV. **Evaluations for the Sustainability of Oceans and Seas within the Scope of the Ocean Decade Action**
Yücel S., Çetintaşoğlu M. E., Korkmaz N., Ünsal Özgüvenç T., Balcioğlu İlhan E. B., Aksu A., Taşkın Ö. S., Çağlar N.
6. Ulusal Deniz Bilimleri Konferansı, Rize, Turkey, 15 - 17 May 2024
- V. **EVALUATION OF ANOXIC AND SUBOXIC CONDITIONS IN THE SEA OF MARMARA, ÇINARCIK BASIN**
Yücel S., Ünsal Özgüvenç T., Çağlar N.
3. Ulusal Denizlerde İzleme ve Değerlendirme Sempozyumu , Antalya, Turkey, 6 - 09 December 2022, pp.65-66
- VI. **Investigation of the corrosion performance of aluminum 7075 alloy used as submarine material in the Sea of Marmara environments**
Ünsal Özgüvenç T.
6TH INTERNATIONAL EURASIAN CONFERENCE ON BIOLOGICAL AND CHEMICAL SCIENCES (EURASIANBIOCHEM 2023), Ankara, Turkey, 11 - 13 October 2023, pp.429-430
- VII. **CRITICAL PARAMETERS TO BE EXAMINE IN THE DETERMINATION OF SUBOXIC AND ANOXIC CONDITIONS IN THE SEAS**
Yücel S., Ünsal T., Çağlar N., Aksu A.
5. Ulusal Deniz Bilimleri Konferansı, Trabzon, Turkey, 1 - 03 June 2022, pp.212-213
- VIII. **Haliç Suyuna Maruz Bırakılan Farklı Makroplastik Türleri Üzerinde Oluşan Biyofilmin ve Biyofilmdeki Öncelikli Kirleticilerin Fazlar Arasındaki Transferinin İncelenmesi**
Ünsal Özgüvenç T., Çağlar N., Aksu A., Korkmaz N., Balcioğlu E. B., Taşkın Ö. S., Çetintaşoğlu M. E.

5. Ulusal Deniz Bilimleri Konferansı, Trabzon, Turkey, 1 - 03 June 2022, pp.1-2

- IX. Mitigation of carbon steel biocorrosion using a green biocide enhanced by a biofilm dispersing Peptide in a flow loop with an oilfield biofilm consortium**
Wang D., Ünsal Özgüvenç T., Kumseranee S., Punpruk S., A. Saleh M., D. Alotaibi M., E. Mohamed M., Gu T.
AMPP NACE, Texas, United States Of America, 6 - 10 March 2022, pp.1-12
- X. Severe microbiologically influenced corrosion (MIC) of pure zinc and galvanized steel in the presence of *Desulfovibrio vulgaris***
Wang D., Ünsal T., Kumseranee S., Punpruk S., Gu T.
NACE, Texas, United States Of America, 16 - 19 March 2020, pp.30-38
- XI. Enhanced biocide treatment using D-tyrosine against *Desulfovibrio vulgaris* corrosion of carbon steel**
Ünsal T., Wang D., Kumseranee S., Punpruk S., Gu T.
NACE, Texas, United States Of America, 16 - 19 March 2020, pp.23-29
- XII. Haliç Suyundaki Bazı Farmasötik Kalıntılarının Varlığı ve Dağılımı**
Korkmaz N., Çağlar N., Aksu A., Ünsal T., Küçüksezgin F.
II. Ulusal Denizlerde İzleme ve Değerlendirme Sempozyumu, Ankara, Turkey, 11 - 13 December 2019, pp.5
- XIII. Determination of Culturable Free-Living Amoebae in the Biofilm in Formation Process**
Onan M., Ünsal T., Sungur E.
6th Ecology and Evolutionary Biology Symposium, Ankara, Turkey, 10 - 12 July 2019, pp.35
- XIV. The efficacy of silver-copper ions on the viability of biofilm-associated free-living amoebae**
Onan M., Ünsal T., Sungur E.
38th Meeting of the German Society of Protozoology, Vienna, Austria, 20 - 22 February 2019, pp.97
- XV. Efficacy of silver-copper ions in controlling microbial corrosion related with mixed-species biofilm**
ÜNSAL T., Ilhan-Sungur E., CANSEVER N.
Joint European Corrosion Congress 2017, EUROCORR 2017 and 20th International Corrosion Congress and Process Safety Congress 2017, Prague, Czech Republic, 3 - 07 September 2017
- XVI. The role of biofilm in maturation process on microbial corrosion of galvanized steel**
ÜNSAL T., Ilhan-Sungur E., CANSEVER N.
Joint European Corrosion Congress 2017, EUROCORR 2017 and 20th International Corrosion Congress and Process Safety Congress 2017, Prague, Czech Republic, 3 - 07 September 2017
- XVII. The effect of *Fusarium sp.* on microbial corrosion behavior of galvanized steel**
KADAİFÇİLER D., ÜNSAL T., Arslan D., Ilhan-Sungur E., CANSEVER N.
Joint European Corrosion Congress 2017, EUROCORR 2017 and 20th International Corrosion Congress and Process Safety Congress 2017, Prague, Czech Republic, 3 - 07 September 2017
- XVIII. Model Su Sistemindeki Galvanizli Çelik Yüzeylerde Biyofilm Oluşumu-Korozyon Etkisi İlişkisinin Elektrokimyasal Yöntemlerle İncelenmesi**
Ünsal T., Sungur E., Cansever N.
XIV. Uluslararası Korozyon Sempozyumu (Korseme), Bayburt, Turkey, 5 - 07 October 2016, pp.217-225
- XIX. Comparison of Microbiologically Induced Corrosion Behavior of 316L Stainless Steel and Galvanized Steel as Cooling Tower Materials**
Ünsal T., Arkan S., Sungur E., Cansever N.
18th International Metallurgy and Materials Congress, İstanbul, Turkey, 29 September - 01 October 2016, pp.815-818
- XX. Investigation of The Effects of Ag and Cu ions on the Mature Biofilm by Electrochemical Impedance Spectroscopy**
Ünsal T., Sungur E., Cansever N.
IWA-MEWE Biofilm Conference, Kobenhavn, Denmark, 4 - 07 September 2016, pp.168
- XXI. Investigation of the Ag-Cu ions' effect on microbial activity of sulphate reducing bacteria leading to corrosion**
Arkan S., Ilhan-Sungur E., CANSEVER N., Unsal-Istek T.
European Corrosion Congress, EUROCORR 2015, Graz, Austria, 6 - 10 September 2015, vol.1, pp.444-454

- XXII. **Soğutma Kulelerinde Kullanılan Galvanizli Çelik ve 316L Paslanmaz Çeliğin Mikrobiyolojik Korozyon Davranışları**
Ünsal T., Arkan S., Sungur E., Cansever N.
XIII. Uluslararası Korozyon Sempozyumu (Korseme), Elazığ, Turkey, 15 - 17 October 2014, pp.24-29
- XXIII. **The Effects of Ag and Cu ions on the Microbial Corrosion of 316L Stainless Steel in the Presence of Desulfovibrio sp.**
Ünsal T., Arkan S., Sungur E., Cansever N.
European Corrosion Congress-EUROCORN, Rome, Italy, 6 - 10 September 2014, pp.262
- XXIV. **Desulfosporosinus sp. ve Desulfovibrio sp. Varlığında Galvanizli Çelik Yüzeyinde Oluşan Biyofilme Ag-Cu İyonizasyon Sisteminin Etkisinin EIS Yöntemiyle İncelenmesi**
Ünsal T., Sungur E., Cansever N.
22. Ulusal Biyoloji Kongresi, Eskişehir, Turkey, 23 - 27 June 2014, pp.346
- XXV. **Investigation of corrosion behavior of galvanized steel by Desulfosporosinus sp. and Desulfovibrio sp. isolated from cooling tower water**
Ünsal T., Sungur E., Cansever N.
European Corrosion Congress-EUROCORN, İstanbul, Turkey, 9 - 13 September 2012, pp.310
- XXVI. **Corrosive Effects of Bacillus Thuringiensis on Copper in Salty Nutrient Broth Medium**
Ünsal T., Bayol E., Öztürk A.
9th International Electrochemistry Meeting, İzmir, Turkey, 25 - 29 September 2011, pp.166
- XXVII. **A Comparative study on the activity of oxygenic photosynthetic consortia on marble and granite**
Karaca Z., Ozturk A., Unsal T.
2nd International Conference on Environmental Science and Technology (ICEST 2011), Singapore, Singapore, 26 - 28 February 2011, vol.6, pp.447-451
- XXVIII. **Tuz Gölünden İzole Edilen Aerobik Mezofilik Mikroorganizmaların Karanlık Ortamda Paslanmaz Çeliğin Korozyon Davranışına Etkileri**
Ünsal T., Bayol E., Öztürk A.
XII. Uluslararası Korozyon Sempozyumu (Korseme), Eskişehir, Turkey, 6 - 09 October 2010, pp.96
- XXIX. **Paslanmaz Çeliğin Korozyon Davranışına Tuz Gölünden İzole Edilen Aerobik Mezofilik Mikroorganizmaların Etkileri**
Ünsal T., Bayol E., Öztürk A.
24. Ulusal Kimya Kongresi, Zonguldak, Turkey, 29 June - 02 July 2010, pp.1

Supported Projects

Ünsal Özgüvenç T., Çağlar N., Aksu A., Taşkın Ö. S., TÜBİTAK International Bilateral Joint Cooperation Program Project, Akıllı nanopartiküller: Deniz ortamındaki mikrobiyolojik korozyonu azaltmak için yeni, çevre dostu, güvenli ve uygun maliyetli bir iyileştirme, 2023 - 2025

Ünsal Özgüvenç T., TÜBİTAK - AB COST Project, CA20130European MIC Network - New paths for science, sustainability and standards (Euro-MIC), 2021 - 2025

ÜNSAL ÖZGÜVENÇ T., ONGAN RABBA D., YÜCEL S., AKSU A., ÇAĞLAR N., TAŞKIN Ö. S., BALCIOĞLU E. B., KORKMAZ N., ÇETİNTAŞOĞLU M. E., BİLGİN İ. R., Project Supported by Higher Education Institutions, Marsta Olası Mikrobiyolojik Korozyon Oluşumunun Salda Gölü'nde Araştırılması, 2022 - 2024

ÜNSAL ÖZGÜVENÇ T., YÜCEL S., ÇAĞLAR N., Project Supported by Other Official Institutions, Marmara Denizi'nin Farklı Bölgelerinde Suboksik ve Anoksik Seviyelerin Araştırılması, 2022 - 2023

Zeki S., Ünsal Özgüvenç T., Gazioğlu C., Aksu A., Çardak M., Balcioğlu E. B., Ülker D., Bayırhan İ., TUBITAK Project, Assessment of Potential Pathogen Occurrence in Sea of Marmara Mucilage and its Effect on Bacterial Biodiversity, 2021 - 2023

Zeki S., Ünsal Özgüvenç T., Gazioğlu C., Aksu A., Çardak M., Balcioğlu E. B., Ülker D., Bayırhan İ., TUBITAK Project, Assessment of Potential Pathogen Occurrence in Sea of Marmara Mucilage and its Effect on Bacterial Biodiversity, 2021 - 2023

Çağlar N., Ünsal Özgüvenç T., Aksu A., Taşkın Ö. S., Balcıoğlu E. B., Korkmaz N., Çetintaşoğlu M. E., Project Supported by Higher Education Institutions, Haliç Suyuna Maruz Bırakılan Farklı Makroplastik Türleri Üzerinde Oluşan Biyofilmin ve Biyofilmdeki Öncelikli Kirleticilerin Fazlar Arasındaki Transferinin İncelenmesi, 2019 - 2022

Çağlar N., Aksu A., Taşkın Ö. S., Çetintaşoğlu M. E., Ünsal Özgüvenç T., Project Supported by Higher Education Institutions, Askeri Gemiler ve Denizaltılarda İç Kapı ve Duvarlarda kullanılması için Yanmaz ve Yüksek Termal Dirence Sahip Silika aerogel bazlı Yerli Yalıtım Malzemelerinin Geliştirilmesi, 2019 - 2020

Onan M., Ünsal Özgüvenç T., Sungur E., Project Supported by Higher Education Institutions, Biyofilmdeki Özgür Yaşayan Amiplere Gümüş-Bakır İyonlarının Etkisinin Araştırılması, 2018 - 2020

Onan M., Sungur E., Ünsal Özgüvenç T., Project Supported by Higher Education Institutions, Biyofilmin Oluşum Sürecinde Yer Alan Kültüre Edilebilir Özgür Yaşayan Amiplerin Tespit Edilmesi, 2019 - 2019

Sungur E., Ünsal Özgüvenç T., Cansever N., Project Supported by Higher Education Institutions, Biyofilmin Olgunlaşma Sürecinin Kültür Yöntemiyle İncelenmesi, 2018 - 2019

Sungur E., Ünsal Özgüvenç T., Cansever N., Project Supported by Higher Education Institutions, Simüle Endüstriyel Sistemlerde Yeni Bir İnhibitör Olarak Ag-Cu İyonlarının Kullanılması, 2017 - 2018

Ünsal Özgüvenç T., TÜBİTAK Project, Endüstriyel Su Sistemlerinde Oluşan Biyofilm ve Korozyonun Kontrolünde Alternatif Yeni Yöntemler, 2017 - 2018

Sungur E., Ünsal Özgüvenç T., Cansever N., Project Supported by Higher Education Institutions, Mikrobiyal korozyondan korunmada gümüş bakır iyonlarının etkinliği, 2017 - 2017

Sungur E., Cansever N., Ünsal Özgüvenç T., Project Supported by Higher Education Institutions, Efficacy of silvercopper ions in controlling microbial corrosion related with mixedspecies biofilm, 2017 - 2017

Kadaifçiler D., Sungur E., Ünsal Özgüvenç T., Project Supported by Higher Education Institutions, Soğutma kulesini simüle eden model su sistemindeki galvaniz çelik yüzeylerde fungal biyofilm oluşumunun incelenmesi, 2016 - 2017

Ünsal Özgüvenç T., Sungur E., Project Supported by Higher Education Institutions, Gümüş ve Bakır İyonlarının Galvanizli Çeliğin Mikrobiyolojik Korozyonuna Etkisi, 2013 - 2017

Ünsal Özgüvenç T., Sungur E., Cansever N., Project Supported by Higher Education Institutions, Model Su Sistemindeki Galvanizli Çelik Yüzeylerde Biyofilm Oluşumu-Korozyon Etkisi İlişkisinin Elektrokimyasal Yöntemlerle İncelenmesi, 2016 - 2016

Ünsal Özgüvenç T., Sungur E., Cansever N., Project Supported by Higher Education Institutions, Galvanizli Çelik Yüzeylerde Biyofilm Oluşumunun Elektrokimyasal İmpedans Yöntemiyle (EIS) İncelenmesi, 2016 - 2016

Ünsal Özgüvenç T., Sungur E., Project Supported by Higher Education Institutions, Desulfovibrio sp. Varlığında 316L Paslanmaz Çeliğin Mikrobiyolojik Korozyonuna Ag-Cu İyonizasyon Sisteminin Etkisinin İncelenmesi, 2014 - 2014

Öztürk A., Ünsal Özgüvenç T., Project Supported by Higher Education Institutions, A Comparative study on the activity of oxygenic photosynthetic consortia on marble and granite, 2010 - 2010

Activities in Scientific Journals

FRONTIERS IN METALS AND ALLOYS, Special Issue Editor, 2023 - Continues

FRONTIERS IN BIOENGINEERING AND BIOTECHNOLOGY, Assistant Editor/Section Editor, 2022 - Continues

International Journal of Environmental Technology and Management, Special Issue Editor, 2021 - Continues

Memberships / Tasks in Scientific Organizations

European Federation of Corrosion (EFC) Young Biocorrosionists, Member, 2018 - Continues, Italy

NACE International - The Worldwide Corrosion Authority - NACE, Member, 2018 - Continues, United States Of America

Scientific Refereeing

HELIYON, Journal Indexed in SCI-E, April 2022

cORROSION COMMUNICATION, Other journals, February 2022
JOURNAL OF MATERIALS SCIENCE & TECHNOLOGY, Journal Indexed in SCI-E, February 2022
SCIENTIFIC REPORTS, Journal Indexed in SCI-E, January 2022
BIOELECTROCHEMISTRY, Journal Indexed in SCI-E, December 2021
MICROBIOLOGICAL RESEARCH, Journal Indexed in SCI-E, December 2021
BIOPROCESS AND BIOSYSTEMS ENGINEERING, Journal Indexed in SCI-E, December 2021
BIOELECTROCHEMISTRY, Journal Indexed in SCI-E, November 2021
EGYPTIAN JOURNAL OF PETROLEUM, Other journals, November 2021
CORROSION COMMUNICATIONS, Other journals, September 2021
BIOELECTROCHEMISTRY, Journal Indexed in SCI-E, August 2021
CONSTRUCTION AND BUILDING MATERIALS, Journal Indexed in SCI-E, July 2021
BIOELECTROCHEMISTRY, Journal Indexed in SCI-E, July 2021
BIOELECTROCHEMISTRY, Journal Indexed in SCI-E, July 2021
BIOELECTROCHEMISTRY, Journal Indexed in SCI-E, June 2021
BIOELECTROCHEMISTRY, Journal Indexed in SCI-E, May 2021
CONSTRUCTION AND BUILDING MATERIALS, Journal Indexed in SCI-E, January 2021
BIOELECTROCHEMISTRY, Journal Indexed in SCI-E, January 2021
INTERNATIONAL JOURNAL OF PRESSURE VESSELS AND PIPING, Journal Indexed in SCI-E, December 2020
ENGINEERING FAILURE ANALYSIS, Journal Indexed in SCI-E, December 2020
CONSTRUCTION AND BUILDING MATERIALS, Journal Indexed in SCI-E, February 2020

Metrics

Publication: 51
Citation (WoS): 827
Citation (Scopus): 833
H-Index (WoS): 9
H-Index (Scopus): 10

Scholarships

Doktora Sonrası Araştırma Bursu (BİDEB2219), TÜBİTAK, 2017 - 2018
Doktora Sırası Destek Bursu, Foundation, 2014 - 2016

Awards

Ünsal T., IWA-MEWE Travel Award for Young Scientists, Technical University Of Denmark (Dtu), May 2016

Non Academic Experience

Ohio University
Ohio University