

Prof. Dr. EBRU TOKSOY ÖNER

Kişisel Bilgiler

E-posta: ebru.toksoy@marmara.edu.tr

Web: <https://avesis.marmara.edu.tr/ebru.toksoy>

Uluslararası Araştırmacı ID'leri

ScholarID: XWC67uYAAAAJ

ORCID: 0000-0001-6054-8842

ScopusID: 57028654800

Yoksis Araştırmacı ID: 189445

Biyografi

Professor Ebru Toksoy Öner received her PhD degree in Chemical Engineering in the year 2000 and currently she is working as a Professor at the Bioengineering Department of Marmara University (Istanbul, Turkey). She is the Principal Investigator of the [Industrial Biotechnology and Systems Biology \(IBSB\)](#). Prof. Toksoy Öner's current research in IBSB focuses on biomaterials, functional foods and systems microbiology. Ongoing research topics are functional biosurfaces, laser-based technologies, extremophiles, fructans, [levan polysaccharide](#), strain improvement for exopolysaccharide production, production of biopolymers form extremophiles, and optimization of fermentation processes to design high-yield production lines.

Prof. Toksoy Öner has been the coordinator of several national and international projects and partner in COST Actions. She is the Member of European Federation of Biotechnology (EFB), American Nano Society (ANS), American Chemical Society (ACS), International Society for Extremophiles (ISE), Turkish Biotechnology Society and author of various book chapters, reviews and more than 80 peer-reviewed research articles.

Eğitim Bilgileri

Doktora, Boğaziçi Üniversitesi, Fen Bilimleri Enstitüsü, Türkiye 1995 - 2000

Yüksek Lisans, Boğaziçi Üniversitesi, Fen Bilimleri Enstitüsü, Türkiye 1993 - 1995

Lisans, Boğaziçi Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Türkiye 1988 - 1993

Yabancı Diller

İngilizce, C2 Ustalık

Yaptığı Tezler

Doktora, Production of Taq I Restriction and Modification Enzymes by Using Two Different Expression Systems, Boğaziçi Üniversitesi, Fen Bilimleri Enstitüsü, 2000

Yüksek Lisans, Cloning and Purification of a Thermostable DNA Polymerase , Boğaziçi Üniversitesi, Fen Bilimleri Enstitüsü, 1995

Araştırma Alanları

Araştırma Alanları

Biyomedikal Mühendisliği, Kimya Mühendisliği ve Teknolojisi, Biyoteknoloji, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Prof. Dr., Marmara Üniversitesi, Mühendislik Fakültesi, Biyomühendislik Bölümü, 2013 - Devam Ediyor
Doç. Dr., Marmara Üniversitesi, Mühendislik Fakültesi, Biyomühendislik Bölümü, 2008 - 2013
Yrd. Doç. Dr., Marmara Üniversitesi, Mühendislik Fakültesi, Biyomühendislik Bölümü, 2007 - 2008
Yrd. Doç. Dr., Marmara Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2001 - 2007
Araştırma Görevlisi, Boğaziçi Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 1993 - 2000

Akademik İdari Deneyim

Marmara Üniversitesi, Fen Bilimleri Enstitüsü, 2014 - Devam Ediyor
Marmara Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2002 - 2003

Yönetilen Tezler

TOKSOY ÖNER E., Öner E., Purification and optimization of deinoxanthin isolated from deinococcus radiodurans R1, Yüksek Lisans, S.Kılınc(Öğrenci), 2019
TOKSOY ÖNER E., Halomonas levan hydrogels for skin tissue engineering applications, Yüksek Lisans, S.Selvin(Öğrenci), 2019
TOKSOY ÖNER E., Öner E., Metaboic network-based analysis of cheese starter cultures as a microbial community, Doktora, E.Özcan(Öğrenci), 2019
TOKSOY ÖNER E., GÜNDÜZ O., 3d printed levan scaffolds for cardiac regeneration, Yüksek Lisans, E.Eminagic(Öğrenci), 2019
TOKSOY ÖNER E., Öner E., Investigating the effects of halomonas smyrnensis levan as soluble fiber on fat deposition and lifespan using caenorhabditis elegans as model, Yüksek Lisans, H.Önder(Öğrenci), 2019
TOKSOY ÖNER E., Cold pad batch dyeing method for sustainable textile production, Doktora, S.Müjgan(Öğrenci), 2017
TOKSOY ÖNER E., Levan-encapsulated magnetic nanocomposites, Doktora, İ.Çalgeriş(Öğrenci), 2017
TOKSOY ÖNER E., Microbial strain improvement strategies for levan production, Yüksek Lisans, B.Adnan(Öğrenci), 2017
TOKSOY ÖNER E., Process optimization for bioethanol production from agroindustrial wastes, Doktora, D.Köşebent(Öğrenci), 2016
TOKSOY ÖNER E., Biological activities of levan by halomonas sp., Doktora, H.Kazak(Öğrenci), 2016
TOKSOY ÖNER E., Bioactivity of levan based surfaces, Yüksek Lisans, M.Erginer(Öğrenci), 2014
TOKSOY ÖNER E., Investigation of sulfate-modified levan polysaccharides and their bioactivity, Yüksek Lisans, A.Akçay(Öğrenci), 2014
TOKSOY ÖNER E., A system based rational approach to improve first and second generation bioethanol production by Saccharomyces Cerevisiae, Doktora, C.KASAVI(Öğrenci), 2013
TOKSOY ÖNER E., Investigation of exopolysaccharide production capacity of thermophilic microorganisms isolated from Turkey, Yüksek Lisans, S.Yaşar(Öğrenci), 2011
TOKSOY ÖNER E., Evaluation of different waste streams as fermentation substrates for microbial biopolymer production, Doktora, M.FARUK(Öğrenci), 2010
TOKSOY ÖNER E., Identification of levansucrase gene in Halomonas sp., Yüksek Lisans, B.Gökmen(Öğrenci), 2010
TOKSOY ÖNER E., Fermentation performances of amyolytic nuclear petite Saccharomyces cerevisiae integrands developed for bioethanol production, Yüksek Lisans, D.Köşebent(Öğrenci), 2010
TOKSOY ÖNER E., Exopolysaccharide production by halomonas strains isolated from Turkey, Yüksek Lisans, H.Kazak(Öğrenci), 2009
TOKSOY ÖNER E., Construction of Amyolytic Nuclear Petite Saccharomyces Cerevisiae Strains For Bioethanol Production

By SSF, Yüksek Lisans, D.Arslan(Öğrenci), 2008

TOKSOY ÖNER E., Production and characterization of bioceramic nanopowders of natural-biological origin, Yüksek Lisans, A.Umut(Öğrenci), 2008

TOKSOY ÖNER E., Polisakkarit üreten ekstremofillerin belirlenmesi ve ekzopolisakkarit üretimi, Yüksek Lisans, B.Gürleyendağ(Öğrenci), 2006

TOKSOY ÖNER E., Identification of halophilic microorganisms isolated from van lake and determination of their extremozymes, Yüksek Lisans, Ö.Ateş(Öğrenci), 2006

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **POTENTIAL OF FRUCTANS AS NATURAL CRYOPROTECTANT AGENTS IN PLANT CRYOPRESERVATION: CONCEPT VALIDATION ON *Arabidopsis thaliana* L.**
İlter I. B., Van Den Ende W., Struyf T., Öner E. T., Çiftçi Y. Ö.
Cryo-Letters, cilt.45, sa.4, ss.221-230, 2024 (SCI-Expanded)
- II. **Levan differentially primes barley defence against infections by *Fusarium graminearum*, *Rhizoctonia solani* and *Pyricularia oryzae***
Lian D., Shui C., Yang L., Cheng Y., Zheng S., Shen H., Öner E. T., Liang M.
Plant Pathology, cilt.73, sa.4, ss.859-872, 2024 (SCI-Expanded)
- III. **Bioactive polymers for cosmetics: unleashing the potential of *Chromohalobacter canadensis* 28**
ERGİNER HASKÖYLÜ M., Yaşar Yıldız S., Kambourova M., TOKSOY ÖNER E.
Macromolecular Research, cilt.32, sa.4, ss.325-336, 2024 (SCI-Expanded)
- IV. **Investigating the cryoprotective efficacy of fructans in mammalian cell systems via a structure-functional perspective**
Tornacı S., ERGİNER HASKÖYLÜ M., GÖKALSIN B., Aysan A., Çetin M., Sadauki M., Fındıklı N., GENÇ S., Sesal C., TOKSOY ÖNER E.
Carbohydrate Polymers, cilt.328, 2024 (SCI-Expanded)
- V. **Isolation and characterization of three DREB-like genes encoding dehydration-responsive element binding proteins in chicory (*Cichorium intybus*)**
Wang J., Zhao L., Zhou M., Yang L., Cheng Y., Öner E. T., Zhang H., Xu J., Zheng Q., Liang M.
Plant Growth Regulation, 2024 (SCI-Expanded)
- VI. **QPCR-Guided Screening of Levansucrase: Levan Characterization and Genomic Insights**
AYTAR ÇELİK P., Barut D., Erdal Altıntaş Ö., Enuh B. M., NURAL YAMAN B., Mutlu M. B., ÇABUK A., TOKSOY ÖNER E.
Journal of Polymers and the Environment, 2024 (SCI-Expanded)
- VII. **Shelf life of cocktail tomato extended with chitosan, chia mucilage and levan**
Ali Q., Kurubas M. S., Mujtaba M., Nazari A. W., DOĞAN A., Kaya M., Oner E. T., Yilmaz B. A., ERKAN M.
Scientia Horticulturae, cilt.323, 2024 (SCI-Expanded)
- VIII. **First transcriptomic insight into the reprogramming of human macrophages by levan-type fructans**
Peled E., Tornaci S., Zlotver I., Dubnika A., TOKSOY ÖNER E., Sosnik A.
Carbohydrate Polymers, cilt.320, 2023 (SCI-Expanded)
- IX. **Synthesis and characterization of interpenetrating network (IPN) based levan-polyacrylamide hydrogels and their application in conservation of cultural heritage**
Saglam R. O., Yıldırım S. U., Oktar F. N., GENÇ S., Erdem G., TOKSOY ÖNER E.
Journal of Cultural Heritage, cilt.64, ss.255-265, 2023 (SCI-Expanded)
- X. **Understanding the effects of chitosan, chia mucilage, levan based composite coatings on the shelf life of sweet cherry**
Mujtaba M., Ali Q., Yilmaz B. A., Seckin Kurubas M., Ustun H., ERKAN M., Kaya M., Cicek M., Oner E. T.
Food Chemistry, cilt.416, 2023 (SCI-Expanded)
- XI. **Exploring the potential of *Halomonas* levan and its derivatives as active ingredients in cosmeceutical and skin regenerating formulations**
Hasköylü M. E., Gökalsin B., Tornaci S., Sesal C., Öner E.

INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, cilt.240, 2023 (SCI-Expanded)

- XII. **Co-production of levan with other high-value bioproducts: A review**
de Siqueira E. C., TOKSOY ÖNER E.
International Journal of Biological Macromolecules, cilt.235, 2023 (SCI-Expanded)
- XIII. **Biosynthesis of Levan by Halomonas elongata 153B: Optimization for Enhanced Production and Potential Biological Activities for Pharmaceutical Field**
Erdal Altıntaş Ö., TOKSOY ÖNER E., ÇABUK A., AYTAR ÇELİK P.
Journal of Polymers and the Environment, cilt.31, sa.4, ss.1440-1455, 2023 (SCI-Expanded)
- XIV. **UV and chemically induced Halomonas smyrnensis mutants for enhanced levan productivity**
Erkorkmaz B. A., Kirtel O., Abaramak G., Nikerel E., TOKSOY ÖNER E.
JOURNAL OF BIOTECHNOLOGY, cilt.356, ss.19-29, 2022 (SCI-Expanded)
- XV. **Characterization of inulolytic enzymes from the Jerusalem artichoke-derived Glutamicibacter mishrai NJAU-1**
Lian D., Zhuang S., Shui C., Zheng S., Ma Y., Sun Z., Porras-Dominguez J. R., TOKSOY ÖNER E., Liang M., Van den Ende W.
APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, cilt.106, sa.17, ss.5525-5538, 2022 (SCI-Expanded)
- XVI. **Production of a high molecular weight levan by Bacillus paralicheniformis, an industrially and agriculturally important isolate from the buffalo grass rhizosphere**
Nasir A., Ahmad W., Sattar F., Ashfaq I., Lindemann S. R., Chen M., Van den Ende W., TOKSOY ÖNER E., Kirtel O., Khaliq S., et al.
ANTONIE VAN LEEUWENHOEK INTERNATIONAL JOURNAL OF GENERAL AND MOLECULAR MICROBIOLOGY, cilt.115, sa.9, ss.1101-1112, 2022 (SCI-Expanded)
- XVII. **Protein surface engineering and interaction studies of maltogenic amylase towards improved enzyme immobilisation**
Jaafar N. R., Jailani N., Rahman R. A., TOKSOY ÖNER E., Murad A. M. A., Illias R. M.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, cilt.213, ss.70-82, 2022 (SCI-Expanded)
- XVIII. **Fructan oligosaccharide priming alters apoplasmic sugar dynamics and improves resistance against Botrytis cinerea in chicory**
Versluys M., TOKSOY ÖNER E., Van den Ende W.
JOURNAL OF EXPERIMENTAL BOTANY, cilt.73, ss.4214-4235, 2022 (SCI-Expanded)
- XIX. **Genomic Analysis Provides New Insights Into Biotechnological and Industrial Potential of Parageobacillus thermantarcticus M1**
YILDIZ S. Y., Finore I., Leone L., Romano I., Lama L., KASAVI C., Nicolaus B., TOKSOY ÖNER E., Poli A.
FRONTIERS IN MICROBIOLOGY, cilt.13, 2022 (SCI-Expanded)
- XX. **Developments in effective use of volatile organic compound analysis to assess flavour formation during cheese ripening**
Yavuz M., KASAVI C., Oner E. T.
JOURNAL OF DAIRY RESEARCH, cilt.88, ss.461-467, 2021 (SCI-Expanded)
- XXI. **Improving the Thermostability and Catalytic Activity of an Inulosucrase by Rational Engineering for the Biosynthesis of Microbial Inulin**
Ni D., Zhang S., Kirtel O., Xu W., Chen Q., Oner E. T., Mu W.
JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY, cilt.69, sa.44, ss.13125-13134, 2021 (SCI-Expanded)
- XXII. **Synthesis and characterization of levan hydrogels and their use for resveratrol release**
Selvi S. S., Haskoylu M. E., GENÇ S., TOKSOY ÖNER E.
JOURNAL OF BIOACTIVE AND COMPATIBLE POLYMERS, cilt.36, sa.6, ss.464-480, 2021 (SCI-Expanded)
- XXIII. **Resveratrol-Loaded Levan Nanoparticles Produced by Electrohydrodynamic Atomization Technique**
Cinan E., Cesur S., Haskoylu M. E., GÜNDÜZ O., Oner E.
NANOMATERIALS, cilt.11, sa.10, 2021 (SCI-Expanded)
- XXIV. **Levan enhanced the NF-kappa B suppression activity of an oral nano PLGA-curcumin formulation in breast cancer treatment**
Eskandari Z., BAHADORI F., YENİGÜN V. B., Demiray M., EROĞLU M. S., KOÇYİĞİT A., Oner E. T.

- INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, cilt.189, ss.223-231, 2021 (SCI-Expanded)
- XXV. **Improving the catalytic behaviors of Lactobacillus-derived fructansucrases by truncation strategies**
Ni D., Kirtel O., Yin D., Xu W., Chen Q., Oner E. T., Mu W.
ENZYME AND MICROBIAL TECHNOLOGY, cilt.149, 2021 (SCI-Expanded)
- XXVI. **Fructanogenic traits in halotolerant Bacillus licheniformis OK12 and their predicted functional significance**
Kirtel O., Aydin H., Toksoy Oner E.
JOURNAL OF APPLIED MICROBIOLOGY, cilt.131, sa.3, ss.1391-1404, 2021 (SCI-Expanded)
- XXVII. **Functional and Molecular Characterization of the Halomicrobium sp. IBSBa Inulosucrase**
Abaramak G., Porras-Dominguez J. R., van Rensburg H. C. J., Lescrinier E., Oner E. T., Kirtel O., Van den Ende W.
MICROORGANISMS, cilt.9, sa.4, 2021 (SCI-Expanded)
- XXVIII. **Sponge-derived natural bioactive glass microspheres with self-assembled surface channel arrays opening into a hollow core for bone tissue and controlled drug release applications**
Kaya M., Bilican I., Mujtaba M., Sargin I., Erginer Haskoylu M., TOKSOY ÖNER E., Zheng K., Boccaccini A. R., Cansaran-Duman D., ÖNSES M. S., et al.
Chemical Engineering Journal, cilt.407, 2021 (SCI-Expanded)
- XXIX. **Improved Exopolymer Production by Chromohalobacter canadensis Cultures for Its Potential Cosmeceutical Applications**
Radchenkova N., Haskoylu M. E., Vassilev S., YILDIZ S. Y., Boyadzhieva I., Oner E., Kambourova M.
MICROORGANISMS, cilt.8, sa.12, 2020 (SCI-Expanded)
- XXX. **Polymer Based Bioadhesive Biomaterials for Medical Application-A Perspective of Redefining Healthcare System Management**
Saha N., Saha N., Saha T., TOKSOY ÖNER E., Brodnjak U. V., Redl H., von Byern J., Saha P.
POLYMERS, cilt.12, sa.12, 2020 (SCI-Expanded)
- XXXI. **Gradient multifunctional biopolymer thin film assemblies synthesized by combinatorial MAPLE**
Mihailescu N., Haskoylu M. E., Ristoscu C., Bostan M., Sopronyi M., EROĞLU M. S., Chifiriuc M. C., Mustaciosu C. C., Axente E., Oner E. T., et al.
APPLIED SURFACE SCIENCE, cilt.466, ss.628-636, 2019 (SCI-Expanded)
- XXXII. **From healing wounds to resorbable electronics, levan can fill bioadhesive roles in scores of markets**
Combie J., Oner E. T.
BIOINSPIRATION & BIOMIMETICS, cilt.14, sa.1, 2019 (SCI-Expanded)
- XXXIII. **Production of fructo-oligosaccharides from levan treated with compressed hot water fluids**
Abea A., Ushiyama T., Oner E. T., Shimizu N.
BASIC & CLINICAL PHARMACOLOGY & TOXICOLOGY, cilt.124, ss.48-49, 2018 (SCI-Expanded)
- XXXIV. **Levansucrase from Halomonas smyrnensis AAD6(T): first halophilic GH-J clan enzyme recombinantly expressed, purified, and characterized**
Kirtel O., Menendez C., Versluys M., Van den Ende W., Hernandez L., Oner E. T.
APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, cilt.102, sa.21, ss.9207-9220, 2018 (SCI-Expanded)
- XXXV. **Halomonas smyrnensis as a cell factory for co-production of PHB and levan**
Tohme S., Haciosmanoğlu G. G., Eroğlu M. S., Kasavi C., Genç S., Can Z. S., Oner E. T.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, cilt.118, ss.1238-1246, 2018 (SCI-Expanded)
- XXXVI. **Fructan and glucan-mediated priming in banana**
Tezgel N., Zorilla J., Versluys M., Oner E. T., Van den Ende W., Swennen R.
NEW BIOTECHNOLOGY, cilt.44, 2018 (SCI-Expanded)
- XXXVII. **Development of a cost-effective production process for Halomonas levan**
Erkorkmaz B. A., Kirtel O., Duru O. A., Oner E. T.
BIOPROCESS AND BIOSYSTEMS ENGINEERING, cilt.41, sa.9, ss.1247-1259, 2018 (SCI-Expanded)
- XXXVIII. **Fructans of the saline world**
Kirtel O., Versluys M., Van den Ende W., TOKSOY ÖNER E.
BIOTECHNOLOGY ADVANCES, cilt.36, sa.5, ss.1524-1539, 2018 (SCI-Expanded)
- XXXIX. **Levan based fibrous scaffolds electrospun via co-axial and single-needle techniques for tissue**

engineering applications

Avsar G., Agirbasli D., AĞIRBAŞLI M. A., GÜNDÜZ O., Oner E.

CARBOHYDRATE POLYMERS, cilt.193, ss.316-325, 2018 (SCI-Expanded)

- XL. **Adhesive free-standing multilayer films containing sulfated levan for biomedical applications**
Gomes T. D., Caridade S. G., Sousa M. P., Azevedo S., Kandur M. Y., Oner E. T., Alves N. M., Mano J. F.
ACTA BIOMATERIALIA, cilt.69, ss.183-195, 2018 (SCI-Expanded)
- XLI. **The Genome-Based Metabolic Systems Engineering to Boost Levan Production in a Halophilic Bacterial Model**
Aydin B., Ozer T., Oner E. T., ARĞA K. Y.
OMICS-A JOURNAL OF INTEGRATIVE BIOLOGY, cilt.22, sa.3, ss.198-209, 2018 (SCI-Expanded)
- XLII. **Formation of new, cytocompatible hydrogels based on photochemically crosslinkable levan methacrylates**
Berg A., Oner E. T., Combie J., Schneider B., Ellinger R., Weisser J., Wyrwa R., Schnabelrauch M.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, cilt.107, ss.2312-2319, 2018 (SCI-Expanded)
- XLIII. **The fructan syndrome: Evolutionary aspects and common themes among plants and microbes**
Versluys M., Kirtel O., Oner E. T., Van den Ende W.
PLANT CELL AND ENVIRONMENT, cilt.41, sa.1, ss.16-38, 2018 (SCI-Expanded)
- XLIV. **Levan promotes antiproliferative and pro-apoptotic effects in MCF-7 breast cancer cells mediated by oxidative stress**
Queiroz E. A. I. F., Fortes Z. B., da Cunha M. A. A., Sarilmiser H. K., Dekker A. M. B., TOKSOY ÖNER E., Dekker R. F. H., Khaper N.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, cilt.102, ss.565-570, 2017 (SCI-Expanded)
- XLV. **Novel levan and pNIPA temperature sensitive hydrogels for 5-ASA controlled release**
Osman A., Oner E. T., EROĞLU M. S.
CARBOHYDRATE POLYMERS, cilt.165, ss.61-70, 2017 (SCI-Expanded)
- XLVI. **Sugar Based Biopolymers in Nanomedicine; New Emerging Era for Cancer Imaging and Therapy**
EROĞLU M. S., Oner E. T., Mutlu E. C., Bostan M.
CURRENT TOPICS IN MEDICINAL CHEMISTRY, cilt.17, sa.13, ss.1507-1520, 2017 (SCI-Expanded)
- XLVII. **Development and characterization of vancomycin-loaded levan-based microparticulate system for drug delivery**
SEZER A. D., Sarilmiser H. K., RAYAMAN E., Cevikbas A., Oner E. T., Akbuga J.
PHARMACEUTICAL DEVELOPMENT AND TECHNOLOGY, cilt.22, sa.5, ss.627-634, 2017 (SCI-Expanded)
- XLVIII. **Lecithin-acrylamido-2-methylpropane sulfonate based crosslinked phospholipid nanoparticles as drug carrier**
Mutlu E. C., Bostan M., Bahadori F., Kocyigit A., Oner E. T., EROĞLU M. S.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.133, sa.42, 2016 (SCI-Expanded)
- XLIX. **Sulfated levan from Halomonas smyrnensis as a bioactive, heparin-mimetic glycan for cardiac tissue engineering applications**
Erginer M., Akcay A., Coskuncan B., Morova T., Rende D., Bucak S., Baysal N., Ozisik R., EROĞLU M. S., Agirbasli M., et al.
CARBOHYDRATE POLYMERS, cilt.149, ss.289-296, 2016 (SCI-Expanded)
- L. **Identification of N-Hexadecanoyl-L-homoserine lactone (C16-AHL) as signal molecule in halophilic bacterium Halomonas smyrnensis AAD6**
Abbamondi G. R., SÜNER S., Cutignano A., Grauso L., Nicolaus B., Oner E. T., Tommonaro G.
ANNALS OF MICROBIOLOGY, cilt.66, sa.3, ss.1329-1333, 2016 (SCI-Expanded)
- LI. **Review of Levan polysaccharide: From a century of past experiences to future prospects**
Oner E. T., Hernandez L., Combie J.
BIOTECHNOLOGY ADVANCES, cilt.34, sa.5, ss.827-844, 2016 (SCI-Expanded)
- LII. **-1 Sulfated levan as a polymer for biomedical applications**
Avsar G., GÜNDÜZ O., Oner E. T.
NEW BIOTECHNOLOGY, cilt.33, 2016 (SCI-Expanded)

- LIII. **Conformational analysis of sulfated and unmodified levan polysaccharides via molecular dynamics simulations**
Oner E. T., Coskuncan B., Turgut D., Rende D., Bucak S., Baysal N., Ozisik R.
NEW BIOTECHNOLOGY, cilt.33, 2016 (SCI-Expanded)
- LIV. **Development of a cost-effective microbial levan production process by Halomonas cultures**
Erkorkmaz B. A., Oner E. T.
NEW BIOTECHNOLOGY, cilt.33, 2016 (SCI-Expanded)
- LV. **Sulfated Halomonas levan as a heparin-mimetic bioactive glycan**
Erginer M., Coskuncan B., Morova T., Rende D., Bucak S., Baysal N., Ozisik R., EROĞLU M. S., Agirbasli M., Oner E. T.
NEW BIOTECHNOLOGY, cilt.33, 2016 (SCI-Expanded)
- LVI. **The global transcriptional response of a raw starch-degrading amyolytic Saccharomyces cerevisiae strain to oxygen limitation and genetic modification**
Kasavi C., Eraslan S., TOKSOY ÖNER E., KIRDAR B.
TURKISH JOURNAL OF BIOLOGY, cilt.40, sa.3, ss.684-723, 2016 (SCI-Expanded)
- LVII. **An integrative analysis of transcriptomic response of ethanol tolerant strains to ethanol in Saccharomyces cerevisiae**
Kasavi C., Eraslan S., Oner E., Kirdar B.
MOLECULAR BIOSYSTEMS, cilt.12, sa.2, ss.464-476, 2016 (SCI-Expanded)
- LVIII. **Genomic analysis reveals the biotechnological and industrial potential of levan producing halophilic extremophile, Halomonas smyrnensis AAD6T**
Diken E., Ozer T., Arikan M., Emrence Z., Oner E. T., ÜSTEK D., ARĞA K. Y.
SPRINGERPLUS, cilt.4, 2015 (SCI-Expanded)
- LIX. **Effective stimulating factors for microbial levan production by Halomonas smyrnensis AAD6(T)**
Sarilmiser H. K., Ates O., Ozdemir G., ARĞA K. Y., Oner E. T.
JOURNAL OF BIOSCIENCE AND BIOENGINEERING, cilt.119, sa.4, ss.455-463, 2015 (SCI-Expanded)
- LX. **Genomic analysis of Brevibacillus thermoruber 423 reveals its biotechnological and industrial potential**
Yildiz S. Y., Radchenkova N., ARĞA K. Y., Kambourova M., Oner E. T.
APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, cilt.99, sa.5, ss.2277-2289, 2015 (SCI-Expanded)
- LXI. **Investigation of anti-cancer activity of linear and aldehyde-activated levan from Halomonas smyrnensis AAD6(T)**
Sarilmiser H., Oner E. T.
BIOCHEMICAL ENGINEERING JOURNAL, cilt.92, ss.28-34, 2014 (SCI-Expanded)
- LXII. **Combinatorial MAPLE gradient thin film assemblies signalling to human osteoblasts**
Axente E., Sima F., Sima L. E., Erginer M., EROĞLU M. S., Serban N., Ristoscu C., Petrescu S. M., Oner E. T., Mihailescu I. N.
BIOFABRICATION, cilt.6, sa.3, 2014 (SCI-Expanded)
- LXIII. **A system based network approach to ethanol tolerance in Saccharomyces cerevisiae**
Kasavi C., Eraslan S., ARĞA K. Y., Oner E. T., KIRDAR B.
BMC SYSTEMS BIOLOGY, cilt.8, 2014 (SCI-Expanded)
- LXIV. **Functionally stable plasminogen activator inhibitor-1 in a family with cardiovascular disease and vitiligo**
Agirbasli M., Eren M., Yasar S., DELİL K., Goktay F., Oner E. T., Vaughan D. E.
JOURNAL OF THROMBOSIS AND THROMBOLYSIS, cilt.38, sa.1, ss.50-56, 2014 (SCI-Expanded)
- LXV. **Comprehensive characterization of chitosan/PEO/levan ternary blend films**
Bostan M., Mutlu E. C., Kazak H., KESKİN S. S., Oner E. T., EROĞLU M. S.
CARBOHYDRATE POLYMERS, cilt.102, ss.993-1000, 2014 (SCI-Expanded)
- LXVI. **Brevibacillus themoruber: a promising microbial cell factory for exopolysaccharide production**
Yildiz S. Y., Anzelmo G., Ozer T., Radchenkova N., Genc S., Di Donato P., Nicolaus B., Oner E. T., Kambourova M.
JOURNAL OF APPLIED MICROBIOLOGY, cilt.116, sa.2, ss.314-324, 2014 (SCI-Expanded)
- LXVII. **The Stimulatory Effect of Mannitol on Levan Biosynthesis: Lessons from Metabolic Systems Analysis**

of *Halomonas smyrnensis* AAD6(T)

Ates O., ARĀA K. Y., Oner E. T.

BIOTECHNOLOGY PROGRESS, cilt.29, sa.6, ss.1386-1397, 2013 (SCI-Expanded)

- LXVIII. **Adhesive nanostructured multilayer films using a bacterial exopolysaccharide for biomedical applications**
Costa R. R., Neto A. I., Calgeris I., Correia C. R., Pinho A. C. M., Fonseca J., Oner E. T., Mano J. F.
JOURNAL OF MATERIALS CHEMISTRY B, cilt.1, sa.18, ss.2367-2374, 2013 (SCI-Expanded)
- LXIX. **Combinatorial matrix-assisted pulsed laser evaporation: Single-step synthesis of biopolymer compositional gradient thin film assemblies**
Sima F., Axente E., Sima L. E., Tuyel U., Eroglu M. S., Serban N., Ristoscu C., Petrescu S. M., Oner E. T., Mihailescu I. N.
APPLIED PHYSICS LETTERS, cilt.101, sa.23, 2012 (SCI-Expanded)
- LXX. **Draft Genome Sequence of *Halomonas smyrnensis* AAD6(T)**
Sogutcu E., Emrence Z., Arikan M., Cakiris A., Abaci N., Oner E. T., Ustek D., ARĀA K. Y.
JOURNAL OF BACTERIOLOGY, cilt.194, sa.20, ss.5690-5691, 2012 (SCI-Expanded)
- LXXI. **Evaluation of industrial *Saccharomyces cerevisiae* strains for ethanol production from biomass**
Kasavi C., Finore I., Lama L., Nicolaus B., Oliver S. G., Oner E. T., KIRDAR B.
BIOMASS & BIOENERGY, cilt.45, ss.230-238, 2012 (SCI-Expanded)
- LXXII. **Identification of Exopolysaccharide Biosynthesis Mechanism of *Halomonas smyrnensis* AAD6(T)**
Sogutcu E., Oner E. T., ARĀA K. Y.
NEW BIOTECHNOLOGY, cilt.29, 2012 (SCI-Expanded)
- LXXIII. **Identification of candidate genes related to ethanol tolerance in *Saccharomyces cerevisiae* via a systems based modular approach**
Kasavi C., ARĀA K. Y., Oner E. T., KIRDAR B.
NEW BIOTECHNOLOGY, cilt.29, 2012 (SCI-Expanded)
- LXXIV. **Investigating the transcriptional differences of amyolytic *Saccharomyces cerevisiae* strains developed for bioethanol production via a systems based approach**
Kasavi C., Oner E. T., Oliver S. G., KIRDAR B.
NEW BIOTECHNOLOGY, cilt.29, 2012 (SCI-Expanded)
- LXXV. **Rheological characteristics of exopolysaccharides (EPSs) produced by *Brevibacillus thermoruber***
Yildiz S. Y., Ozer T., Radchenkova N., GENÇ S., Oner E. T., Kambourova M.
NEW BIOTECHNOLOGY, cilt.29, 2012 (SCI-Expanded)
- LXXVI. **Purification, biochemical characterization and gene sequencing of a thermostable raw starch digesting alpha-amylase from *Geobacillus thermoleovorans* subsp *stromboliensis* subsp *nov.***
Finore I., Kasavi C., Poli A., Romano I., Oner E. T., KIRDAR B., Dipasquale L., Nicolaus B., Lama L.
WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY, cilt.27, sa.10, ss.2425-2433, 2011 (SCI-Expanded)
- LXXVII. **Levan Nanostructured Thin Films by MAPLE Assembling**
Sima F., Mutlu E. C., EROĒLU M. S., Sima L. E., Serban N., Ristoscu C., Petrescu S. M., Oner E., Mihailescu I. N.
BIOMACROMOLECULES, cilt.12, sa.6, ss.2251-2256, 2011 (SCI-Expanded)
- LXXVIII. **Molasses as fermentation substrate for levan production by *Halomonas* sp.**
Kucukasik F., Kazak H., Guney D., Finore I., Poli A., YENİGÜN O., Nicolaus B., Oner E. T.
APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, cilt.89, sa.6, ss.1729-1740, 2011 (SCI-Expanded)
- LXXIX. **Levan-based nanocarrier system for peptide and protein drug delivery: Optimization and influence of experimental parameters on the nanoparticle characteristics**
SEZER A. D., Kazak H., Oner E. T., Akbuga J.
CARBOHYDRATE POLYMERS, cilt.84, sa.1, ss.358-363, 2011 (SCI-Expanded)
- LXXX. **Genome-scale reconstruction of metabolic network for a halophilic extremophile, *Chromohalobacter salexigens* DSM 3043**
ATEŞ Ö., Oner E., ARĀA K. Y.
BMC SYSTEMS BIOLOGY, cilt.5, 2011 (SCI-Expanded)
- LXXXI. **Flocculating performances of exopolysaccharides produced by a halophilic bacterial strain cultivated on agro-industrial waste**

- ŞAM S., Kucukasik F., Yenigun O., Nicolaus B., Oner E., Yukselen M. A.
BIORESOURCETECHNOLOGY, cilt.102, sa.2, ss.1788-1794, 2011 (SCI-Expanded)
- LXXXII. **Exopolysaccharides from extremophiles: from fundamentals to biotechnology**
Nicolaus B., Kambourova M., Oner E. T.
ENVIRONMENTAL TECHNOLOGY, cilt.31, sa.10, ss.1145-1158, 2010 (SCI-Expanded)
- LXXXIII. **Molasses as fermentation substrate for microbial biopolymer production**
Kucukasik F., Yenigun O., Oner E. T.
NEW BIOTECHNOLOGY, cilt.25, 2009 (SCI-Expanded)
- LXXXIV. **Genome-scale reconstruction of metabolic network for a halophilic extremophile, Chromohalobacter salexigens**
Ates O., Oner E. T., Arga K. Y.
NEW BIOTECHNOLOGY, cilt.25, 2009 (SCI-Expanded)
- LXXXV. **Fermentation performances of amyolytic Saccharomyces cerevisiae integrands developed for bioethanol production**
Kosebent D., Ates O., Oner E. T., Oliver S. G., Kirdar B.
NEW BIOTECHNOLOGY, cilt.25, 2009 (SCI-Expanded)
- LXXXVI. **Biological activities of bioceramic powders of various natural biological origins**
Tuyel A. U., Valerio P., Oner E. T., Oktar F. N.
NEW BIOTECHNOLOGY, cilt.25, 2009 (SCI-Expanded)
- LXXXVII. **Comparison of industrial Saccharomyces cerevisiae strains for second generation bioethanol production**
Kasavi C., Finore I., Nicolaus B., Oner E. T., Kirdar B., Oliver S. G.
NEW BIOTECHNOLOGY, cilt.25, 2009 (SCI-Expanded)
- LXXXVIII. **Modeling of batch fermentation kinetics for levan production by Halomonas spp.**
Kazak H., Arga K. Y., Oner E. T.
NEW BIOTECHNOLOGY, cilt.25, 2009 (SCI-Expanded)
- LXXXIX. **Simultaneous modeling of enzyme production and biomass growth in recombinant Escherichia coli using artificial neural networks**
Gunay M. E., Nikerel I. E., Oner E. T., Kirdar B., YILDIRIM R.
BIOCHEMICAL ENGINEERING JOURNAL, cilt.42, sa.3, ss.329-335, 2008 (SCI-Expanded)
- XC. **Investigation of Antibacterial and Cytotoxic Effects of Organic Acids Including Ascorbic Acid, Lactic Acid and Acetic Acids on Mammalian Cells**
Hismiogullari S. E., Hismiogullari A. A., Sahin F., Oner E. T., Yenice S., Karasartova D.
JOURNAL OF ANIMAL AND VETERINARY ADVANCES, cilt.7, sa.6, ss.681-684, 2008 (SCI-Expanded)
- XCII. **Isolation and identification of alkaline protease producer halotolerant Bacillus licheniformis strain BA17**
Ates O., Oner E. T., Arkan B., Denizci A. A., Kazan D.
ANNALS OF MICROBIOLOGY, cilt.57, sa.3, ss.369-375, 2007 (SCI-Expanded)
- XCIII. **Sequence variations within the genes related to hemostatic imbalance and their impact on coronary artery disease in Turkish population**
Taymaz H., Erarslan S., Oner E. T., Alkan T., Agirbasli M., Kirdar B.
THROMBOSIS RESEARCH, cilt.119, sa.1, ss.55-62, 2007 (SCI-Expanded)
- XCIV. **Real imaging and size values of Saccharomyces cerevisiae cells with comparable contrast tuning to two environmental scanning electron microscopy modes**
Misirli Z., Oener E., Kirdar B.
SCANNING, cilt.29, sa.1, ss.11-19, 2007 (SCI-Expanded)
- XCV. **Optimization of ethanol production from starch by an amyolytic nuclear petite Saccharomyces cerevisiae strain**
Oner E. T.
YEAST, cilt.23, sa.12, ss.849-856, 2006 (SCI-Expanded)
- XCVI. **Production of ethanol from starch by respiration-deficient recombinant Saccharomyces cerevisiae**

- Oner E., Oliver S., Kirdar B.
APPLIED AND ENVIRONMENTAL MICROBIOLOGY, cilt.71, sa.10, ss.6443-6445, 2005 (SCI-Expanded)
- XCVI. **Optimizing medium composition for TaqI endonuclease production by recombinant Escherichia coli cells using response surface methodology**
Nikerel I., Toksoy E., Kirdar B., Yildirim R.
PROCESS BIOCHEMISTRY, cilt.40, sa.5, ss.1633-1639, 2005 (SCI-Expanded)
- XCVII. **Modeling of the induced expression for high-level production of a foreign protein by recombinant E. coli under the control of the T7 phage promoter**
TOKSOY ÖNER E., Kirdar B., Onsan Z., Ulgen K.
PROCESS BIOCHEMISTRY, cilt.39, sa.3, ss.315-323, 2003 (SCI-Expanded)
- XCVIII. **High-level production of TaqI restriction endonuclease by three different expression systems in Escherichia coli cells using the T7 phage promoter**
Toksoy E., Onsan Z., Kirdar B.
APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, cilt.59, sa.2-3, ss.239-245, 2002 (SCI-Expanded)
- XCIX. **Expression of a thermostable restriction endonuclease in recombinant Escherichia coli cells and optimization of fermentation conditions**
Toksoy E., Onsan Z., Kirdar B.
WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY, cilt.18, sa.1, ss.23-27, 2002 (SCI-Expanded)
- C. **Effect of the co-expression of methyltransferase activity on extracellular production of Taq I restriction endonuclease in recombinant E-coli cells**
Toksoy E., Onsan Z., Kirdar B.
PROCESS BIOCHEMISTRY, cilt.37, sa.5, ss.527-534, 2001 (SCI-Expanded)
- CI. **High level secretion of TaqI restriction endonuclease by recombinant Escherichia coli**
Toksoy E., Ozdinler P., Onsan Z., Kirdar B.
BIOTECHNOLOGY TECHNIQUES, cilt.13, sa.11, ss.803-808, 1999 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Optimization of ethanol production using newly isolated ethanologenic yeasts**
Tesfaw A., Oner E. T., Assefa F.
BIOCHEMISTRY AND BIOPHYSICS REPORTS, cilt.25, 2021 (ESCI)
- II. **Evaluating crude whey for bioethanol production using non-Saccharomyces yeast, Kluyveromyces marxianus**
Tesfaw A., Oner E. T., Assefa F.
SN APPLIED SCIENCES, cilt.3, sa.1, 2021 (ESCI)
- III. **Comparative characterization of the hydrogel added PLA/ β -TCP scaffolds produced by 3D bioprinting**
aydođdu M. O., TOKSOY ÖNER E., EKREN N., Erdemir G., KURUCA D. S., YÜCA E., SENNAROĞLU BOSTAN M., EROĞLU M. S., Ikram F., UZUN M., et al.
Bioprinting, 2019 (Scopus)
- IV. **Exopolysaccharides Synthesized by Thermophilic Microorganisms Isolated from Bulgarian Hot Springs**
KAMBOUROVA M., RADCHENKOVA N., NICOLAUS B., TOMMONARO G., POLI A., TOKSOY ÖNER E., YAŞAR YILDIZ S., ARĖA K. Y.
Acta Microbiologica Bulgarica, cilt.34, ss.68-76, 2018 (Scopus)
- V. **Copper Removal From Ammoniacal Spent Etchant by Using Magnetic Nanoparticles**
Yassin O. A., Can Z. S., Genç S., Toksoy Öner E., Haciosmanođlu G. G.
Environmental Research and Technology, cilt.1, ss.38-42, 2018 (Hakemli Dergi)
- VI. **Use of Agro Waste Biomass for α -Amylase Production by Anoxybacillus amylolyticus: Purification and Properties**

Finore I., Di Donato P., Poli A., KIRDAR B., KASAVI C., TOKSOY ÖNER E., Nicolaus B., Lama L.

JOURNAL OF MICROBIAL & BIOCHEMICAL TECHNOLOGY, cilt.6, sa.6, ss.320-326, 2014 (Hakemli Dergi)

VII. **Draft Genome Sequence of Exopolysaccharide-Producing Thermophilic Bacterium Brevibacillus thermoruber Strain 423**

Yildiz S. Y., Kambourova M., ARGA K. Y., TOKSOY ÖNER E.

MICROBIOLOGY RESOURCE ANNOUNCEMENTS, cilt.1, sa.5, 2013 (ESCI)

Kitap & Kitap Bölümleri

I. **Glycan-based Nanocarriers In Drug Delivery**

YAŞAR YILDIZ S., ERGİNER HASKÖYLÜ M., DEMİRCİ T., HEMBERGER J., TOKSOY ÖNER E.

Drug Delivery Approaches And Nanosystems, A. K SHARMA R. K. KESERVANI, Editör, Apple Academic Press, ss.191-228, 2017

II. **Microbial Polysaccharides as Food Ingredients**

AVŞAR DEMET G., TOKSOY ÖNER E., KIRTEL O., ERKORKMAZ B. A.

Microbial Production of Food Ingredients and Additives, , Editör, Academic Press , ss.347-383, 2017

III. **Investigating the Quorum Sensing System in Halophilic Bacteria**

Tommonaro G., Abbamonti R., TOKSOY ÖNER E., Nicolaus B.

Halophiles, Dinesh K. Maheshwari ve Meenu Saraf, Editör, Springer Int., ss.189-208, 2015

IV. **Exopolysaccharides from Prokaryotic Microorganisms-Promising Sources for White Biotechnology**

Kambourova M., TOKSOY ÖNER E., Poli A.

Industrial Biorefineries and White Biotechnology, A. Pandey, R. Höfer, M. Taherzadeh, K. M. Nampoothiri and C Larroche, Editör, Elsevier B.V., ss.523-547, 2015

V. **Microbial Production of Extracellular Polysaccharides from Biomass Sources**

ÖZCAN E., TOKSOY ÖNER E.

Polysaccharides, Kishan Gopal Ramawat ve Jean-Michel Merillon, Editör, Springer Int, ss.161-184, 2015

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. **Microbial and Enzymatic Production of Halomonas Levan**

KIRTEL O., KASAVI C., TOKSOY ÖNER E.

IX. International Fructan Symposium, İstanbul, Türkiye, 10 Ekim 2022

II. **Investigating the effects of Halomonas levan on fat deposition, life and healthspan using Caenorhabditis elegans as model**

ÖZBAŞAK H. Ö., ARISAN E. D., ÇOKER GÜRKAN A., TOKSOY ÖNER E., OBAKAN YERLİKAYA P.

10th European Symposium on Biopolymers, STRAUBING, Almanya, 25 - 27 Eylül 2019

III. **Levan based Bioadhesives for Biomedical Applications**

TOKSOY ÖNER E.

ICBBA 2018, 20 - 22 Kasım 2018

IV. **Genome-scale metabolic model reconstruction of Brevibacillus thermoruber 423**

YAŞAR YILDIZ S., NİKEREL İ. E., TOKSOY ÖNER E.

12th International Congress of Extremophiles, İtalya, 16 - 20 Eylül 2018

V. **Fructosyltransferases of the saline world**

TOKSOY ÖNER E.

Biotechnologia Habana 2017, 3 - 06 Aralık 2017

VI. **Metabolic Capacities of Lactic Acid Bacteria in Cheese Starter Cultures Grown in Pure and Co-Cultures**

ÖZCAN E., NİKEREL İ. E., ÇAKIR T., TOKSOY ÖNER E.

12th International Symposium on Lactic Acid Bacteria, Hollanda, 27 - 31 Ağustos 2017

- VII. **Development of Low-Cost Microbial Bioprocesses for Halomonas Levan Production**
Erkorkmaz B., Kirtel O., TOKSOY ÖNER E.
19th European Carbohydrate Symposium EUROCARB, 2 - 06 Temmuz 2017
- VIII. **Tailor Made Heteropolysaccharide Biosynthesis by Brevibacillus thermoruber 423**
YAŞAR YILDIZ S., NİKEREL İ. E., TOKSOY ÖNER E.
19th European Carbohydrate Symposium EUROCARB, 2 - 06 Temmuz 2017
- IX. **Halomonas Levan: A functional food ingredient**
TOKSOY ÖNER E., Erginer M., Kirtel O., AVŞAR G., ÖZER Ç.
19th European Carbohydrate Symposium EUROCARB, 2 - 06 Temmuz 2017
- X. **Halomonas Levan as a Bioactive and Biocompatible Material**
Erginer M., Selvi S., AVŞAR G., TOKSOY ÖNER E.
19th European Carbohydrate Symposium EUROCARB, 2 - 06 Temmuz 2017
- XI. **An alternative nano design of strategy by neutralized AMPS and soy bean lecithin to form nanoparticles**
MUTLU E., SENNAROĞLU BOSTAN M., Bahadori F., TOKSOY ÖNER E., EROĞLU M. S.
WASET, 21 - 22 Haziran 2017
- XII. **An Alternative Nano Design Strategy by Neutralized AMPS and Soy Bean Lecithin to Form Nanoparticles**
MUTLU E., SENNAROĞLU BOSTAN M., BAHADORİ F., TOKSOY ÖNER E., EROĞLU M. S.
19th International Conference on Nanotechnology and Nanomedicine, Vien, Avusturya, 21 - 22 Haziran 2017, cilt.4
- XIII. **Development of Halomonas Levan based functional food ingredients**
HASKÖYLÜ M., ÖZER Ç., TOKSOY ÖNER E.
FFC's 21st International Conference and Expo on Functional Foods Functional Foods and Bioactive Compounds in Health and Disease: Science and Practice, San Diego, Amerika Birleşik Devletleri, 26 - 27 Mart 2017
- XIV. **Coproduction of Pha and Levan from waste resources by halophilic Bacteria**
Thome S., CAN Z. S., TOKSOY ÖNER E.
The 3rd International Conference on Bioinspired and Biobased Chemistry & Materials, 16 - 19 Ekim 2016
- XV. **Coproduction of PHA Levan from Waste Resources by Halophilic Bacteria**
Tohme S., CAN Z. S., TOKSOY ÖNER E.
NICE (Nature Inspires Creativity Engineers) 2016, Fransa, 16 - 19 Ekim 2016
- XVI. **Microbial Levan Production by Halomonas by a Cost Optimized Processes**
Erkorkmaz B. A., TOKSOY ÖNER E.
NICE 2016, 16 - 19 Ekim 2016
- XVII. **Levan Sulfate as a Heparin mimetic Bioactive Glycan for Tissue Engineering Applications**
Erginer M., Coşkun B., Rende D., Baysal N., Ozışık R., Morova T., Bucak S., HACIOSMANOĞLU G. G., EROĞLU M. S., AĞIRBAŞLI M. A., et al.
NICE 2016, 16 - 19 Ekim 2016
- XVIII. **Levan Nanofibers as Functional Biomaterials**
Avşar G., GÜNDÜZ O., TOKSOY ÖNER E.
NICE 2016, 16 - 19 Ekim 2016
- XIX. **Biopolymer Compositional Gradient Thin Film Assemblies Synthesized by Combinatorial MAPLE**
Erginer Hasköylü M., Mihailescu N., Axente E., SENNAROĞLU BOSTAN M., EROĞLU M. S., Sima F., Ristoscu C., TOKSOY ÖNER E., Mihailescu I. N.
ICPEPA 10, 29 Ağustos - 02 Eylül 2016
- XX. **Metabolic network-based analysis of probiotic cheese starter cultures**
Ozcan E., Oner E. T., Cakir T.
41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Türkiye, 3 - 08 Eylül 2016, cilt.283, ss.138
- XXI. **Sulfated levans as a polymer for biomedical applications**
Avsar G., GÜNDÜZ O., TOKSOY ÖNER E.
8th INTERNATIONAL FRUCTAN SYMPOSIUM, 26 Haziran - 01 Temmuz 2016

- XXII. **In silico analysis of anticoagulant activity of levan sulfate via molecular docking simulations**
Coşkuncan B., Morova T., Rende D., Bucak S., Baysal N., Ozişik R., TOKSOY ÖNER E.
IFS2016 – 8th International Fructan Symposium, 26 Haziran - 01 Temmuz 2016
- XXIII. **Levan Sulfate as a Heparin mimetic Bioactive Fructan**
erginer m., EROĞLU M. S., AĞIRBAŞLI M. A., TOKSOY ÖNER E.
8th INTERNATIONAL FRUCTAN SYMPOSIUM, 26 Haziran - 01 Temmuz 2016
- XXIV. **Cost effective levan production by Halomonas cultures**
Erkorkmaz B., TOKSOY ÖNER E.
IFS2016 – 8th International Fructan Symposium, 26 Haziran - 01 Temmuz 2016
- XXV. **Dual Production of PHA and Levan From Waste Resources by Halomonas Cultures**
Tohme S., CAN Z. S., TOKSOY ÖNER E.
8th INTERNATIONAL FRUCTAN SYMPOSIUM, 26 Haziran - 01 Temmuz 2016
- XXVI. **Levansucrase enzyme from moderately halophilic bacterium Halomonas smyrnensis AAD6T**
Kırtel O., TOKSOY ÖNER E.
IFS2016 - 8th Int. Fructan Symposium, Oaxaca, Meksika, 26 Haziran - 01 Temmuz 2016
- XXVII. **The structural diversity of sulfated and unmodified levan polysaccharide chains studied with molecular dynamics simulations**
Coşkuncan B., Deniz T., Rende D., Bucak S., Baysal N., Ozisik R., TOKSOY ÖNER E.
IFS2016 – 8th International Fructan Symposium, 26 Haziran - 01 Temmuz 2016
- XXVIII. **Sulfated levan nanofibers for biomedical applications**
Avşar G., GÜNDÜZ O., TOKSOY ÖNER E.
IFS2016 – 8th International Fructan Symposium, 26 Haziran - 01 Temmuz 2016
- XXIX. **COPPER REMOVAL from AMMONIACAL SPENT ETCHANT USING MAGNETIC NANOPARTICLES**
Yassin O. A., HACIOSMANOĞLU G. G., GENÇ S., TOKSOY ÖNER E., CAN Z. S.
Eurasia 2016 WasteWater Symposium, 2 - 04 Mayıs 2016
- XXX. **Copper Removal from Ammoniacal Spent Etchant Using Magnetic Nanoparticles**
YASSİN O. A., HACIOSMANOĞLU G. G., GENÇ S., TOKSOY ÖNER E., CAN Z. S.
EurAsia Waste Management Symposium, 2 - 04 Mayıs 2016
- XXXI. **Systems microbiology approach to understand microbial exopolysaccharide production mechanisms using thermophilic organisms**
YAŞAR YILDIZ S., NİKEREL İ. E., TOKSOY ÖNER E.
ESBP15-8th European Symposium on Biopolymers, 16 - 18 Eylül 2015
- XXXII. **Levan sulphate as a heparin mimetic bioactive polysaccharide**
Erginer M., TOKSOY ÖNER E.
ESBP15- 8th European Symposium on Biopolymers, 16 - 18 Eylül 2015
- XXXIII. **Low cost microbial production processes for levan biopolymer**
Erkorkmaz B. A., ATEŞ Ö., TOKSOY ÖNER E.
ESBP15- 8th European Symposium on Biopolymers, 16 - 18 Eylül 2015
- XXXIV. **Development of Microbial production processes for levan polysaccharide**
ATEŞ Ö., TOKSOY ÖNER E.
CBM11 - 11th Carbohydrate Bioengineering Meeting, 10 - 13 Mayıs 2015
- XXXV. **Reconstruction of Genome scale metabolic model of Brevibacillus thermoruber 423 for design of improved EPS production strategies**
YAŞAR YILDIZ S., NİKEREL İ. E., TOKSOY ÖNER E.
CBM11-11th Carbohydrate Bioengineering Meeting, 10 - 13 Mayıs 2015
- XXXVI. **Functional ferrofluids based on levan coated magnetite nanoparticles**
Gaziyer V., Cebeci C. B., Morova T., ATEŞ Ö., TOKSOY ÖNER E., GENÇ S.
Nanotech International Conference and Exhibition, Hammamet, Tunus, 22 - 24 Nisan 2015
- XXXVII. **Functional Ferrofluids Based on Levan Coated Magnetic Nanoparticles**
Gaziyer V., Cebeci C., Morova T., ATEŞ Ö., TOKSOY ÖNER E., GENÇ S.
Nanotech Tunisia 2015 International Conference, 22 - 24 Nisan 2015

- XXXVIII. **Investigation of Transcriptional Response to Ethanol Stress in *Saccharomyces cerevisiae***
KASAVI C., ERASLAN S., TOKSOY ÖNER E., KIRDAR B.
2nd Applied Synthetic Biology in Europe, Malaga, İspanya, 25 - 27 Kasım 2013
- XXXIX. **Surface characterization of chitosan POE levan ternary blend films**
SENNAROĞLU BOSTAN M., MUTLU E., KAZAK H., KESKİN S. S., TOKSOY ÖNER E., EROĞLU M. S.
The 4th International Symposium on Surface and Interface of Biomaterials, 24 - 28 Eylül 2013
- XL. **Thermo mechanical and spectroscopic characterization of chitosan POE levan ternary blend films for bioactive coatings**
SENNAROĞLU BOSTAN M., MUTLU E., KAZAK H., KESKİN S. S., TOKSOY ÖNER E., EROĞLU M. S.
The 4th International Symposium on Surface and Interface of Biomaterials, 24 - 28 Eylül 2013
- XLI. **A novel levansucrase purified from halophilic bacteria *Halomonas smyrnensis* AAD6T**
TURANLI B., ARĞA K. Y., TOKSOY ÖNER E.
10th Carbohydrate Bioengineering Meeting (CBM10), Prague, Çek Cumhuriyeti, 21 - 24 Nisan 2013
- XLII. **Investigation of the Response to Ethanol Stress in *Saccharomyces cerevisiae***
KASAVI C., TOKSOY ÖNER E., KIRDAR B.
Microbial Stress: from Molecules to Systems (second meeting organized by European Federation of Biotechnology Section on Microbial Physiology), Belgirate, İtalya, 10 - 13 Mayıs 2012
- XLIII. **Genomic Comparison of Ethanol Tolerance Genes of Industrial *Saccharomyces cerevisiae* Strains**
KASAVI C., TOKSOY ÖNER E., KIRDAR B.
EMBO (European Molecular Biology Organization) Conference on Comparative Genomics of Eukaryotic Microorganisms: Understanding the Complexity of Diversity, San Feliu de Guixols, İspanya, 15 - 20 Ekim 2011
- XLIV. **Systems Based Modular Approach to Analyze Ethanol Tolerance in *Saccharomyces cerevisiae***
KASAVI C., TOKSOY ÖNER E., KIRDAR B.
12th International Conference on Systems Biology, Mannheim, Almanya, 28 Ağustos - 01 Eylül 2011
- XLV. **Genomic Comparison of Ethanol Tolerances of Industrial *Saccharomyces cerevisiae* Strains**
KIRDAR B., KASAVI C., TOKSOY ÖNER E.
11th International Conference on Systems Biology, Edinburgh, Saint Helena, 10 - 15 Ekim 2010
- XLVI. **LEVAN PRODUCTION BY *Halomonas* sp.**
Kazak H., Ates O., Kucukasik F., ARĞA K. Y., Oner E. T.
6th International Conference on Polysaccharides-Glycoscience, Prague, Çek Cumhuriyeti, 29 Eylül - 01 Ekim 2010, ss.133-134
- XLVII. **Halofil kaynaklı ekzopolisakkaritlerin flokülasyon performanslarının incelenmesi**
ŞAM S., Küçükaşık F., YENİGÜN O., TOKSOY ÖNER E., YÜKSELEN M. A.
II. Ulusal Ekoloji ve Çevre Öğrenci Kongresi, Çanakkale, Türkiye, 23 - 25 Eylül 2010
- XLVIII. **Ekstremofil kaynaklı ekzopolisakkaritlerin biyoflokülant özellikleri**
ŞAM S., Küçükaşık F., YENİGÜN O., TOKSOY ÖNER E., YÜKSELEN M. A.
12. Endüstriyel Kirlenme Kontrolü Sempozyumu, İstanbul, Türkiye, 16 - 18 Haziran 2010
- XLIX. **Fermentation Performances of Industrial Yeast Strains in Second Generation Bioethanol Production**
KASAVI C., Finore I., Nicolaus B., TOKSOY ÖNER E., KIRDAR B., Oliver S. G.
International Symposium on Biotechnology: Developments and Trends, Ankara, Türkiye, 27 - 30 Eylül 2009
- L. **New natural materials**
Özyeğin L. S., OKTAR F. N., SALMAN S., GÜNDÜZ O., TOKSOY ÖNER E., Tüyel U.
14th International Biomedical Science and Technology Symposium, 11 - 13 Mayıs 2008
- LI. **Effect of bioprocess conditions on growth and alkaline protease production by halotolerant *Bacillus licheniformis* BA17**
Nikerel I. E., Ates O., TOKSOY ÖNER E.
13th European Congress on Biotechnology (ECB 13), Barcelona, İspanya, 16 - 19 Eylül 2007, cilt.131
- LII. **Production and characterization of bioceramic nanopowders of natural-biological origin**
Tuyel U., Oner E. T., Ozyegin S., Oktar F. N.
13th European Congress on Biotechnology (ECB 13), Barcelona, İspanya, 16 - 19 Eylül 2007, cilt.131
- LIII. **Exopolysaccharide production by *Halomonas* strains isolated from Turkey**

Kazak H., Gurleyendag B., Poli A., Oner E. T., Nicolaus B.

13th European Congress on Biotechnology (ECB 13), Barcelona, İspanya, 16 - 19 Eylül 2007, cilt.131

LIV. **Construction of amyolytic nuclear petite *Saccharomyces cerevisiae* strains for bioethanol production by SSF**

Arslan D., Ates O., Oner E. T., Oliver S. G., Kirdar B.

13th European Congress on Biotechnology (ECB 13), Barcelona, İspanya, 16 - 19 Eylül 2007, cilt.131

Desteklenen Projeler

Haciosmanoğlu G. G., Can Z. S., Genç S., Toksoy Öner E., Yükseköğretim Kurumları Destekli Proje, Farklı Biyosorbentler ile Sucul Ortamlardan Bisfenol A Giderimi, 2018 - 2020

Haciosmanoğlu G. G., Can Z. S., Genç S., Toksoy Öner E., Yükseköğretim Kurumları Destekli Proje, Levan Biyopolimeri ile Kaplanmış Manyetik Nanoparçacık Sentezlenmesi ve Cu II Adsorpsiyon Özelliklerinin İncelenmesi, 2013 - 2017

Arğa K. Y., Toksoy Öner E., TÜBİTAK Uluslararası İkili İşbirliği Projesi, Yeni nesil biyoyakıt teknolojileri için ekstremofiller, 2012 - 2016

Arğa K. Y., Toksoy Öner E., TÜBİTAK Projesi, Levan bazlı polimerlerin biyolojik aktivitelerinin in vitro ve in silico incelenmesi, 2011 - 2015

Arğa K. Y., Toksoy Öner E., TÜBİTAK Projesi, Levan Bazlı Polimerlerin Biyolojik Aktivitelerinin In Vitro ve In Silico İncelenmesi, 2012 - 2014

Toksoy Öner E., TÜBİTAK Projesi, Bioethanol - A Source of Renewable Energy from Extremophiles, 2009 - 2011

Sezer A. D., Toksoy Öner E., Akbuğa J., Kazak H., TÜBİTAK Projesi, Yeni bir mikrobiyal biyopolimerin endüstriyel uygulama alanlarının araştırılması, 2008 - 2010

Toksoy Öner E., Kirdar B., TÜBİTAK Projesi, Yüksek Verimli Biyo-Yakıt Üretimi İçin Sistem Bazlı in-silico Model Geliştirilmesi ve Fabrika Hücrelerin Akılcı Tasarımı, 2007 - 2010

Metrikler

Yayın: 191

Atf (WoS): 1901

Atf (Scopus): 2837

H-İndeks (WoS): 26

H-İndeks (Scopus): 32