

Prof. EBRU TOKSOY ÖNER

Personal Information

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Biography

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 from 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.

Education Information

Doctorate, Boğaziçi Üniversitesi, Fen Bilimleri Enstitüsü, Turkey 1995 - 2000

Post Graduate, Boğaziçi Üniversitesi, Fen Bilimleri Enstitüsü, Turkey 1993 - 1995

Under Graduate, Boğaziçi Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Turkey 1988 - 1993

Foreign Languages

English, C2 Proficiency

Dissertations

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

Post Graduate, Cloning and Purification of a Thermostable DNA Polymerase, Boğaziçi Üniversitesi, Fen Bilimleri Enstitüsü, 1995

Research Areas

Biomedical Engineering, Chemical Engineering and Technology, Biotechnology, Engineering and Technology

Academic Titles / Tasks

Professor, Marmara University, Faculty of Engineering, Bioengineering, 2013 - Continues

Associate Professor, Marmara University, Faculty of Engineering, Bioengineering, 2008 - Continues
Assistant Professor, Marmara University, Faculty of Engineering, Bioengineering, 2007 - 2008
Assistant Professor, Marmara University, Faculty of Engineering, Chemical Engineering, 2001 - 2007
Research Assistant, Boğaziçi Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 1993 - 2000

Professional Experience

Assistant Director of the Institute, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, 2014 - Continues
Head of Department, Marmara University, Faculty of Engineering, Chemical Engineering, 2002 - 2003

Advising Theses

TOKSOY ÖNER E., Öner E., Purification and optimization of deinoxanthin isolated from deinococcus radiodurans R1, Post Graduate, S.Kılınç(Student), 2019
TOKSOY ÖNER E., Halomonas levan hydrogels for skin tissue engineering applications, Post Graduate, S.Selvin(Student), 2019
TOKSOY ÖNER E., Öner E., Metabolic network-based analysis of cheese starter cultures as a microbial community, Doctorate, E.Özcan(Student), 2019
TOKSOY ÖNER E., GÜNDÜZ O., 3d printed levan scaffolds for cardiac regeneration, Post Graduate, E.Eminagic(Student), 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, Post Graduate, H.Önder(Student), 2019
TOKSOY ÖNER E., Cold pad batch dyeing method for sustainable textile production, Doctorate, S.Müjgan(Student), 2017
TOKSOY ÖNER E., Levan-encapsulated magnetic nanocomposites, Doctorate, İ.Çalgeriç(Student), 2017
TOKSOY ÖNER E., Microbial strain improvement strategies for levan production, Post Graduate, B.Adnan(Student), 2017
TOKSOY ÖNER E., Process optimization for bioethanol production from agroindustrial wastes, Doctorate, D.Köşebent(Student), 2016
TOKSOY ÖNER E., Biological activities of levan by halomonas sp., Doctorate, H.Kazak(Student), 2016
TOKSOY ÖNER E., Bioactivity of levan based surfaces, Post Graduate, M.Erginer(Student), 2014
TOKSOY ÖNER E., Investigation of sulfate-modified levan polysaccharides and their bioactivity, Post Graduate, A.Akçay(Student), 2014
TOKSOY ÖNER E., A system based rational approach to improve first and second generation bioethanol production by Saccharomyces Cerevisiae, Doctorate, C.KASAVI(Student), 2013
TOKSOY ÖNER E., Investigation of exopolysaccharide production capacity of thermophilic microorganisms isolated from Turkey, Post Graduate, S.Yaşar(Student), 2011
TOKSOY ÖNER E., Evaluation of different waste streams as fermentation substrates for microbial biopolymer production, Doctorate, M.FARUK(Student), 2010
TOKSOY ÖNER E., Identification of levansucrase gene in Halomonas sp., Post Graduate, B.Gökmen(Student), 2010
TOKSOY ÖNER E., Fermentation performances of amylolytic nuclear petite Saccharomyces cerevisiae integrands developed for bioethanol production, Post Graduate, D.Köşebent(Student), 2010
TOKSOY ÖNER E., Exopolysaccharide production by halomonas strains isolated from Turkey, Post Graduate, H.Kazak(Student), 2009
TOKSOY ÖNER E., Construction of Amylolytic Nuclear Petite Saccharomyces Cerevisiae Strains For Bioethanol Production By SSF, Post Graduate, D.Arslan(Student), 2008
TOKSOY ÖNER E., Production and characterization of bioceramic nanopowders of natural-biological origin, Post Graduate, A.Umut(Student), 2008
TOKSOY ÖNER E., Polisakkarit üreten ekstremofillerin belirlenmesi ve ekzopolisakkarit üretimi, Post Graduate, B.Gürleyendağ(Student), 2006

TOKSOY ÖNER E., Identification of halophilic microorganisms isolated from van lake and determination of their extremozymes, Post Graduate, Ö.Ateş(Student), 2006

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **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, 2020 (Journal Indexed in SCI Expanded)
- II. **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 (Journal Indexed in SCI)
- III. **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, vol.466, pp.628-636, 2019 (Journal Indexed in SCI)
- IV. **From healing wounds to resorbable electronics, levan can fill bioadhesive roles in scores of markets**
Combie J., Oner E. T.
BIOINSPIRATION & BIOMIMETICS, vol.14, 2019 (Journal Indexed in SCI)
- V. **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, vol.124, pp.48-49, 2018 (Journal Indexed in SCI)
- VI. **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, vol.102, pp.9207-9220, 2018 (Journal Indexed in SCI)
- VII. **Halomonas smyrnensis as a cell factory for co-production of PHB and levan**
Tohme S., Haciosmanođlu G. G. , Erođlu M. S. , Kasavi C., Genç S., Can Z. S. , Oner E. T.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.118, pp.1238-1246, 2018 (Journal Indexed in SCI)
- VIII. **Fructan and glucan-mediated priming in banana**
Tezgel N., Zorilla J., Versluys M., Oner E. T. , Van den Ende W., Swennen R.
NEW BIOTECHNOLOGY, vol.44, 2018 (Journal Indexed in SCI)
- IX. **Fructans of the saline world**
Kirtel O., Versluys M., Van den Ende W., TOKSOY ÖNER E.
BIOTECHNOLOGY ADVANCES, vol.36, pp.1524-1539, 2018 (Journal Indexed in SCI)
- X. **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, vol.41, pp.1247-1259, 2018 (Journal Indexed in SCI)
- XI. **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, vol.69, pp.183-195, 2018 (Journal Indexed in SCI)
- XII. **The Genome-Based Metabolic Systems Engineering to Boost Levan Production in a Halophilic Bacterial Model**
Aydin B., Ozer T., Oner E. T. , ARĖA K. Y.
OMICS-A JOURNAL OF INTEGRATIVE BIOLOGY, vol.22, pp.198-209, 2018 (Journal Indexed in SCI)
- XIII. **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, vol.107, pp.2312-2319, 2018 (Journal Indexed in SCI)

- XIV. **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, vol.41, pp.16-38, 2018 (Journal Indexed in SCI)
- XV. **Novel levan and pNIPA temperature sensitive hydrogels for 5-ASA controlled release**
Osman A., Oner E. T. , EROĞLU M. S.
CARBOHYDRATE POLYMERS, vol.165, pp.61-70, 2017 (Journal Indexed in SCI)
- XVI. **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, vol.17, pp.1507-1520, 2017 (Journal Indexed in SCI)
- XVII. **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, vol.22, pp.627-634, 2017 (Journal Indexed in SCI)
- XVIII. **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, vol.133, 2016 (Journal Indexed in SCI)
- XIX. **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, vol.149, pp.289-296, 2016 (Journal Indexed in SCI)
- XX. **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, vol.66, pp.1329-1333, 2016 (Journal Indexed in SCI)
- XXI. **Review of Levan polysaccharide: From a century of past experiences to future prospects**
Oner E. T. , Hernandez L., Combie J.
BIOTECHNOLOGY ADVANCES, vol.34, pp.827-844, 2016 (Journal Indexed in SCI)
- XXII. **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, vol.33, 2016 (Journal Indexed in SCI)
- XXIII. **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, vol.33, 2016 (Journal Indexed in SCI)
- XXIV. **Development of a cost-effective microbial levan production process by Halomonas cultures**
Erkorkmaz B. A. , Oner E. T.
NEW BIOTECHNOLOGY, vol.33, 2016 (Journal Indexed in SCI)
- XXV. **-1 Sulfated levan as a polymer for biomedical applications**
Avsar G., GÜNDÜZ O., Oner E. T.
NEW BIOTECHNOLOGY, vol.33, 2016 (Journal Indexed in SCI)
- XXVI. **The global transcriptional response of a raw starch-degrading amylolytic Saccharomyces cerevisiae strain to oxygen limitation and genetic modification**
Kasavi C., Eraslan S., TOKSOY ÖNER E., KIRDAR B.
TURKISH JOURNAL OF BIOLOGY, vol.40, pp.684-723, 2016 (Journal Indexed in SCI)
- XXVII. **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., ARĀA K. Y.
 SPRINGERPLUS, vol.4, 2015 (Journal Indexed in SCI)
- XXVIII. **Effective stimulating factors for microbial levan production by Halomonas smyrnensis AAD6(T)**
 Sarilmiser H. K., Ates O., Ozdemir G., ARĀA K. Y., Oner E. T.
 JOURNAL OF BIOSCIENCE AND BIOENGINEERING, vol.119, pp.455-463, 2015 (Journal Indexed in SCI)
- XXIX. **Genomic analysis of Brevibacillus thermoruber 423 reveals its biotechnological and industrial potential**
 Yildiz S. Y., Radchenkova N., ARĀA K. Y., Kambourova M., Oner E. T.
 APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, vol.99, pp.2277-2289, 2015 (Journal Indexed in SCI)
- XXX. **Investigation of anti-cancer activity of linear and aldehyde-activated levan from Halomonas smyrnensis AAD6(T)**
 Sarilmiser H., Oner E. T.
 BIOCHEMICAL ENGINEERING JOURNAL, vol.92, pp.28-34, 2014 (Journal Indexed in SCI)
- XXXI. **Combinatorial MAPLE gradient thin film assemblies signalling to human osteoblasts**
 Axente E., Sima F., Sima L. E., Erginer M., EROĖLU M. S., Serban N., Ristoscu C., Petrescu S. M., Oner E. T., Mihailescu I. N.
 BIOFABRICATION, vol.6, 2014 (Journal Indexed in SCI)
- XXXII. **A system based network approach to ethanol tolerance in Saccharomyces cerevisiae**
 Kasavi C., Eraslan S., ARĀA K. Y., Oner E. T., KIRDAR B.
 BMC SYSTEMS BIOLOGY, vol.8, 2014 (Journal Indexed in SCI)
- XXXIII. **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, vol.38, pp.50-56, 2014 (Journal Indexed in SCI)
- XXXIV. **Comprehensive characterization of chitosan/PEO/levan ternary blend films**
 Bostan M., Mutlu E. C., Kazak H., KESKİN S. S., Oner E. T., EROĖLU M. S.
 CARBOHYDRATE POLYMERS, vol.102, pp.993-1000, 2014 (Journal Indexed in SCI)
- XXXV. **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, vol.116, pp.314-324, 2014 (Journal Indexed in SCI)
- XXXVI. **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, vol.29, pp.1386-1397, 2013 (Journal Indexed in SCI)
- XXXVII. **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, vol.1, pp.2367-2374, 2013 (Journal Indexed in SCI)
- XXXVIII. **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, vol.101, 2012 (Journal Indexed in SCI)
- XXXIX. **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, vol.45, pp.230-238, 2012 (Journal Indexed in SCI)
- XL. **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, vol.194, pp.5690-5691, 2012 (Journal Indexed in SCI)
- XLI. **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, vol.29, 2012 (Journal Indexed in SCI)

- XLII. **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, vol.29, 2012 (Journal Indexed in SCI)
- XLIII. **Identification of Exopolysaccharide Biosynthesis Mechanism of *Halomonas smyrnensis* AAD6(T)**
Sogutcu E., Oner E. T. , ARĀA K. Y.
NEW BIOTECHNOLOGY, vol.29, 2012 (Journal Indexed in SCI)
- XLIV. **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, vol.29, 2012 (Journal Indexed in SCI)
- XLV. **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, vol.27, pp.2425-2433, 2011 (Journal Indexed in SCI)
- XLVI. **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, vol.89, pp.1729-1740, 2011 (Journal Indexed in SCI)
- XLVII. **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, vol.84, pp.358-363, 2011 (Journal Indexed in SCI)
- XLVIII. **Exopolysaccharides from extremophiles: from fundamentals to biotechnology**
Nicolaus B., Kambourova M., Oner E. T.
ENVIRONMENTAL TECHNOLOGY, vol.31, pp.1145-1158, 2010 (Journal Indexed in SCI)
- XLIX. **Genome-scale reconstruction of metabolic network for a halophilic extremophile, *Chromohalobacter salexigens***
Ates O., Oner E. T. , Arga K. Y.
NEW BIOTECHNOLOGY, vol.25, 2009 (Journal Indexed in SCI)
- L. **Biological activities of bioceramic powders of various natural biological origins**
Tuyel A. U. , Valerio P., Oner E. T. , Oktar F. N.
NEW BIOTECHNOLOGY, vol.25, 2009 (Journal Indexed in SCI)
- LI. **Molasses as fermentation substrate for microbial biopolymer production**
Kucukasik F., Yenigun O., Oner E. T.
NEW BIOTECHNOLOGY, vol.25, 2009 (Journal Indexed in SCI)
- LII. **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, vol.25, 2009 (Journal Indexed in SCI)
- LIII. **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, vol.25, 2009 (Journal Indexed in SCI)
- LIV. **Modeling of batch fermentation kinetics for levan production by *Halomonas* spp.**
Kazak H., Arga K. Y. , Oner E. T.
NEW BIOTECHNOLOGY, vol.25, 2009 (Journal Indexed in SCI)
- LV. **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, vol.42, pp.329-335, 2008 (Journal Indexed in SCI)
- LVI. **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, vol.7, pp.681-684, 2008 (Journal Indexed in SCI)
- LVII. **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, vol.119, pp.55-62, 2007 (Journal Indexed in SCI)
- LVIII. **Isolation and identification of alkaline protease producer halotolerant Bacillus licheniformis strain BA17**
Ates O., Oner E. T. , Arikan B., Denizci A. A. , Kazan D.
ANNALS OF MICROBIOLOGY, vol.57, pp.369-375, 2007 (Journal Indexed in SCI)
- LIX. **Optimization of ethanol production from starch by an amylolytic nuclear petite Saccharomyces cerevisiae strain**
Oner E. T.
YEAST, vol.23, pp.849-856, 2006 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **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., ARÇA K. Y.
Acta Microbiologica Bulgarica, vol.34, pp.68-76, 2018 (Refereed Journals of Other Institutions)
- II. **Copper Removal From Ammoniacal Spent Etchant by Using Magnetic Nanoparticles**
Yassin O. A. , Can Z. S. , Genç S., Toksoy Öner E., Haciosmanoğlu G. G.
Environmental Research and Technology, vol.1, pp.38-42, 2018 (Refereed Journals of Other Institutions)

Books & Book Chapters

- I. **Glycan-based Nanocarriers In Drug Delivery**
YAŞAR YILDIZ S., ERGİNER HASKÖYLÜ M., DEMİRCİ T., HEMBERGER J., TOKSOY ÖNER E.
in: Drug Delivery Approaches And Nanosystems, A. K SHARMA R. K. KESERVANI, Editor, Apple Academic Press, pp.191-228, 2017
- II. **Microbial Polysaccharides as Food Ingredients**
AVŞAR DEMET G., TOKSOY ÖNER E., KIRTEL O., ERKORKMAZ B. A.
in: Microbial Production of Food Ingredients and Additives, , Editor, Academic Press , pp.347-383, 2017
- III. **Investigating the Quorum Sensing System in Halophilic Bacteria**
Tommonaro G., Abbamonti R., TOKSOY ÖNER E., Nicolaus B.
in: Halophiles, Dinesh K. Maheshwari ve Meenu Saraf, Editor, Springer Int., pp.189-208, 2015
- IV. **Exopolysaccharides from Prokaryotic Microorganisms-Promising Sources for White Biotechnology**
Kambourova M., TOKSOY ÖNER E., Poli A.
in: Industrial Biorefineries and White Biotechnology, A. Pandey, R. Höfer, M. Taherzadeh, K. M. Nampoothiri and C Larroche, Editor, Elsevier B.V., pp.523-547, 2015
- V. **Microbial Production of Extracellular Polysaccharides from Biomass Sources**
ÖZCAN E., TOKSOY ÖNER E.
in: Polysaccharides, Kishan Gopal Ramawat ve Jean-Michel Merillon, Editor, Springer Int., pp.161-184, 2015

Refereed Congress / Symposium Publications in Proceedings

- I. **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, Germany, 25 - 27 September 2019
- II. **Levan based Bioadhesives for Biomedical Applications**
TOKSOY ÖNER E.
ICBBA 2018, 20 - 22 November 2018
- III. **Genome-scale metabolic model reconstruction of Brevibacillus thermoruber 423**
YAŞAR YILDIZ S., NİKEREL İ. E. , TOKSOY ÖNER E.
12th International Congress of Extremophiles, Italy, 16 - 20 September 2018
- IV. **Fructosyltransferases of the saline world**
TOKSOY ÖNER E.
Biotechnologia Habana 2017, 3 - 06 December 2017
- V. **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.
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- VI. **Tailor Made Heteropolysaccharide Biosynthesis by Brevibacillus thermoruber 423**
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