

Prof. GÜLAY ÖZCENGİZ

Personal Information

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Education Information

Doctorate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Biyoloji (Dr), Turkey 1984 - 1989

Research Areas

Biotechnology, Microbiology

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Arts and Sciences, Moleküler Biyoloji Ve Genetik Bölümü, 1981 - Continues

Professional Experience

Head of Department, Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, 2012 - 2014

Head of Department, Middle East Technical University, Graduate School of Natural and Applied Sciences, Biyoteknoloji (YI) (Tezli), 2007 - 2009

Deputy Head of Department, Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, 1998 - 2001

Advising Theses

ÖZCENGİZ G., marT as a global regulatory gene for biofilm formation in Salmonella Typhimurium, Doctorate, Z.Eran(Student), 2020

ÖZCENGİZ G., Phenotypic rescue of a Bacilysin-silenced strain of Bacillus Subtilis with Bacilysin supplementation, Post Graduate, O.Ertekin(Student), 2020

ÖZCENGİZ G., Development of an experimental recombinant vaccine formulation composed of LKTA from Mannheimia Haemolytica A1 and P31 and LPPB from Histophilus Somni 8025 against Hovine Respiratory Disease, Post Graduate, N.Hilal(Student), 2020

Özcengiz G., Tunçbağ N., Biological network modeling based on differentially expressed proteins in a bacilysin-deficient strain of Bacillus subtilis, Post Graduate, M.Kutnu(Student), 2019

ÖZCENGİZ G., Biological network modelling based on differentially expressed proteins in a bacilysin-deficient strain of bacillus subtilis, Post Graduate, M.Kutnu(Student), 2019

ÖZCENGİZ G., Quantitative expression analysis of the genes potentially involved in clavulanic acid overproduction in streptomyces clavuligerus, Post Graduate, C.AKTAŞ(Student), 2018

ÖZCENGİZ G., Expression and activity analyses of industrially important extracellular enzymes produced by a bacilysin knock-out mutant of Bacillus subtilis, Post Graduate, S.AYTEKİN(Student), 2018

ÖZCENGİZ G., Dynamic analysis of secretome alterations in a bacilysin-knock out mutant of Bacillus subtilis, Doctorate, E.TEKİN(Student), 2017

ÖZCENGİZ G., Assessment of immune protective capacities of the recombinant outer membrane protein Q, iron superoxide dismutase and putative lipoprotein from Bordetella pertussis, Doctorate, Ç.YILMAZ(Student), 2017

ÖZCENGİZ G., Proteomic analysis of two cephamycin C overproducer and an industrial clavulanic acid overproducer strains of streptomyces clavuligerus in comparison with the standard strain NRRL 3585, Doctorate, E.ÜNSALDI(Student), 2016

ÖZCENGİZ G., Proteomic analysis of two cephamycin c overproducer and an industrial clavulanic acid overproducer strains of streptomyces clavuligerus in comparison with the standard strain NRRL 3585, Doctorate, E.Ünsaldı(Student), 2016

CAN T., ÖZCENGİZ G., Pattern search in pathogenic bacterial proteins for localization and secretory systems, Doctorate, O.ÖZCAN(Student), 2015

ÖZCENGİZ G., GÜRSEL M., A study on induction of minicell formation by FTSZ overproducing L-form E. coli, Post Graduate, İ.CEM(Student), 2014

ÖZCENGİZ G., Investigation on immunoprotectivity of recombinant vaccine candidates glutamine-binding periplasmic protein and putative peptidoglycan-binding protein in mouse model, Post Graduate, M.ÇİÇEK(Student), 2014

ÖZCENGİZ G., Development of recombinant vaccine candidates composed of LtkA from Mannheimia haemolytica A1 and PlpEC-OmpH from Pasteurella multocida A:3 against bovine respiratory disease, Post Graduate, A.ÇİRÇİR(Student), 2014

ÖZCENGİZ G., Development of recombinant vaccine candidates composed of ltkA from manheimia haemolytica A1 and PlpEC AND OmpH from Pasteurella Multocida A:3 against bovine respiratory disease, Post Graduate, A.Çırçır(Student), 2014

SOYER Y., ÖZCENGİZ G., Subtyping of salmonella isolated from human clinical and animal non-clinical cases, as well as different food samples using pulsed field gel electrophoresis (PFGE) /, Post Graduate, E.Bulut(Student), 2014

ÖZCENGİZ G., Proteomics of Phanerochaete chrysosporium under heavy metal stress, Doctorate, V.YILDIRIM(Student), 2014

SOYER Y., ÖZCENGİZ G., Subtyping of Salmonella isolated from human clinical and animal non-clinical cases, as well as different food samples using pulsed field gel electrophoresis (PFGE), Post Graduate, E.BULUT(Student), 2014

ÖZCENGİZ G., Genetic engineering of glycolytic pathway by disrupting glyceraldehyde-3-phosphate dehydrogenase gene in an industrial strain of Streptomyces clavuligerus, Post Graduate, İ.SERTDEMİR(Student), 2013

ÖZCENGİZ G., Proteome-wide analysis of the role of expression of bacilysin operon on idiophase physiology of B. subtilis, Post Graduate, M.DEMİR(Student), 2013

ÖZCENGİZ G., Increasing clavulanic acid production both in wild type and industrial streptomyces clavuligerus strains by amplification of positive regulator claR gene, Post Graduate, A.MUTLU(Student), 2012

ÖZCENGİZ G., Towards whole cell immunoproteome and subproteomes of Bordetella pertussis, Doctorate, B.EMİNE(Student), 2012

ÖZCENGİZ G., Dynamic expression of three ?RNA processing and modification? genes of Phanerochaete chrysosporium under Pb stress, Post Graduate, E.TEKİN(Student), 2011

ÖZCENGİZ G., The regulatory effect of CcarR activator on the cephamycin C gene cluster of Streptomyces clavuligerus, Doctorate, A.KURT(Student), 2011

ÖZCENGİZ G., Assessment of immune protective capacity of the recombinant iron superoxide dismutase (FeSOD) from bordetella pertussis, Post Graduate, A.APAK(Student), 2011

ÖZCENGİZ G., Assessment of immune protective capacity of the recombinant iron-superoxide dismutase (fesod) from bordetella pertussis, Post Graduate, A.Apak(Student), 2011

ÖZCENGİZ G., The regulatory effect of CcaR activator on the cephamycin C gene cluster of streptomyces clavuligerus, Doctorate, A.Kurt(Student), 2011

ÖZCENGİZ G., Development of recombinant vaccines composed of PLPE and OMPH from Pasteurella multocida A:3, Doctorate, S.OKAY(Student), 2011

ÖZCENGİZ G., Dynamic expression of three “RNA processing and modification” Genes of *Phanerochaete Chrysosporium* under Pb stress, Post Graduate, E.Tekin(Student), 2011

ÖZCENGİZ G., Immune responses against the recombinant FimX and putative peptidyl-prolyl cis-trans isomerase from *Bordetella pertussis*, Post Graduate, Ç.YILMAZ(Student), 2011

ÖZCENGİZ G., Integration of clavaminic synthase 2 gene into the chromosome of an industrial strain of *Streptomyces clavuligerus* for enhanced clavulanic acid production, Post Graduate, G.VANLI(Student), 2010

ÖZCENGİZ G., Proteome-wide analysis of functional roles of bacilysin biosynthesis in *Bacillus subtilis*, Post Graduate, A.ARAS(Student), 2010

ÖZCENGİZ G., Medium optimization for cephamycin c overproduction and comparison of antibiotic production by ask, hom, and ask+hom recombinants of *streptomyces clavuligerus*, Post Graduate, E.Ünsaldı(Student), 2010

ÖZCENGİZ G., Medium optimization for cephamycin c overproduction and comparison of antibiotic production by Ask, hom and Ask+hom recombinants of *Streptomyces clavuligerus*, Post Graduate, E.ÜNSALDI(Student), 2010

ÖZCENGİZ G., Proteome-wide analysis of the functional roles of Bacilysin biosynthesis in *Bacillus subtilis*, Post Graduate, A.Taşkın(Student), 2010

ÖZCENGİZ G., Microorganism mediated stereoselective bio-oxidation and bio-hydrogenation reactions and thiamine pyrophosphate dependent enzyme catalyzed enantioselective acyloin reactions, Doctorate, Ş.BETÜL(Student), 2009

ÖZCENGİZ G., Studies on novel immunogenic proteins of *Clostridium chauvoei*, Post Graduate, D.CORAL(Student), 2009

ÖZCENGİZ G., High-level expression of hepatitis B surface antigen in *Pichia pastoris*, its purification and immunological characterization, Post Graduate, H.SELAMOĞLU(Student), 2009

ÖZCENGİZ G., Analysis of cross-immune reaction between strains of *Bordetella pertussis*, Post Graduate, E.İŞCAN(Student), 2009

ÖZCENGİZ G., The effects of twelve quorum-sensing gene products on the expression of Bacabcde operon in *Bacillus subtilis*, Post Graduate, İ.ÖĞÜLÜR(Student), 2008

ÖZCENGİZ G., Medium development for production of *Bacillus thuringiensis* based biopesticides, Post Graduate, O.ÖZCAN(Student), 2008

ÖZCENGİZ G., Identification of the new immunogenic proteins of *Bordetella pertussis* by immunoproteomics, Post Graduate, E.ALTINDIŞ(Student), 2007

ÖZCENGİZ G., First reference map for *Phanerochaete chrysosporium* proteome, Post Graduate, V.YILDIRIM(Student), 2006

ÖZCENGİZ G., Cephamycin C production by *streptomyces clavuligerus* mutants impaired in regulation of aspartokinase, Post Graduate, A.ZEYNYEV(Student), 2006

ÖZCENGİZ G., Targeted disruption of Homoserine dehydrogenase gene in *Streptomyces clavuligerus* and its effects on cephamycin C production, Post Graduate, A.KOCA(Student), 2006

ÖZCENGİZ G., Effect of homologous multiple copies of aspartokinase gene on cephamycin C biosynthesis in *Streptomyces clavuligerus*, Post Graduate, B.TAŞKIN(Student), 2005

ÖZCENGİZ G., Coleoptera-specific (CRY3Aa) delta-endotoxin biosynthesis by a local isolate of *Bt* subsp. *Tenebrionis*, gene cloning and characterization, Post Graduate, A.KURT(Student), 2005

ÖZCENGİZ G., Elucidation of R gene mediated yellow rust disaesa resistance mechanism in wheat by dual bait yeast two-hybrid analysis, Doctorate, F.YILDIRIM(Student), 2005

ÖZCENGİZ G., Cloning of chitinase a gene (*chiA*) from *Serratia marcescens* BN10 and its expression in coleoptera-specific *Bacillus thuringiensis*, Post Graduate, S.OKAY(Student), 2005

ÖZCENGİZ G., Charaterization and indentification of bacteriocins from two *Lactococcus lactis* subsp *lactis* strains, Post Graduate, O.Akçelik(Student), 2004

ÖZCENGİZ G., Characterization and identification of bacteriocins from two *Lactococcus Lactis* subsp. *Lactis* strains, Post Graduate, O.AKÇELİK(Student), 2004

ÖZCENGİZ G., Biosorption sites for lead [Pb(II)] in *Phanerochaete chrysosporium*, Post Graduate, L.KAYA(Student), 2004

ÖZCENGİZ G., Cloning and characterization of *Streptomyces clavuligerus* meso-diaminopimelate decarboxylase (*lysA*) gene, Post Graduate, Ç.YAĞCIOĞLU(Student), 2004

ÖZCENGİZ G., Productivity analyses in fermentations with three different biolarvicides, Post Graduate, H.ÖZÇELİK(Student), 2004

ÖZCENGİZ G., Productivity Analyses in Fermentations with Three Different Biolarvacides, Post Graduate, H.Özçelik(Student), 2004

Sanin F. D. , Özcengiz G., Investigation of Solids Residence Time on Sludge Characteristics with Specific Emphasis on Extracellular Polymers, Post Graduate, M.Lamin(Student), 2003

ÖZCENGİZ G., Proteome analyses of Pb (II), Ni (II) and Cr (III) response in *Phanerochaete chrysosporium*, Doctorate, S.ÖZCAN(Student), 2003

ÖZCENGİZ G., Response surface optimization of *Bacillus thuringiensis israelensis* fermentation, Post Graduate, Z.TOKCAER(Student), 2003

ÖZCENGİZ G., Investigation of solids residence time on sludge charesteristics with specific emphasis on extracellular polymers, Post Graduate, M.LAMÍN(Student), 2003

ÖZCENGİZ G., Enzymatic synthesis of novel dipeptides., Post Graduate, I.TÜZÜN(Student), 2002

ÖZCENGİZ G., Biological phosphorus removal in Ni(II) laden synthetic wastewater, Post Graduate, B.EREN(Student), 2002

ÖZCENGİZ G., Casette mutagenesis to identify the genes involved in quorum-sensing pathway and bacilysin biosynthesis in *bacillus subtilis*, Post Graduate, S.ÇETİN(Student), 2002

ÖZCENGİZ G., Cloning, sequencing and expression of L-lactate dehydrogenase gene from *clostridium thermocellum* and isolation, characterization and transformation of various cellulolytic, thermophilic, ethanol-producing bacteria, Doctorate, M.Özkan(Student), 2002

ÖZCENGİZ G., Cloning, characterization and heterologous expression of the aspartokinase and aspartate semialdehyde dehydrogenase genes from the cephamycin C producer *streptomyces clavuligerus*, Doctorate, S.Tunca(Student), 2002

ÖZCENGİZ G., Cloning, characterization and heterologons expression of the aspartokinase and aspartate semialdehyde dehydrogenase genes from the cephamycin C producer *streptomyces clavuligerus*, Doctorate, S.TUNCA(Student), 2002

ÖZCENGİZ G., Cloning sequencing and expression of L-lactate dehydrogenase gene from *Clostridium thermocellum* and isolation, characterization and transformation of various cellulolytic, thermophilic, ethanol-producing bacteria, Doctorate, M.ÖZKAN(Student), 2002

ÖZCENGİZ G., Cassette mutagenesis to identify the genes involved in quorum-sensing pathway and bacilysin biosynthesis in *bacillus subtilis*., Post Graduate, S.Çetin(Student), 2002

ÖZCENGİZ G., Molecular characterization of multi-drug resistant salmonella isolates in Turkey, Post Graduate, K.GÖKSU(Student), 2001

ÖZCENGİZ G., Molecular biology and genetics of dipeptide biosynthesis: The system is an essential component of quorum-sensing global regulation, Doctorate, A.KARATAŞ(Student), 2000

ÖZCENGİZ G., Molecular biology and genetics of dipeptide biosynthesis: The system is an essential component of quorum-sensing global regulation, Doctorate, A.Karataş(Yazgan)(Student), 2000

ÖZCENGİZ G., Characterization of local salmonella enteritidis isolates of chicken, egg and human origin, Doctorate, B.İÇTEN(Student), 2000

ÖZCENGİZ G., Heavy metal biosorption by *phanerochaete chrysosporium*, Post Graduate, N.PARLAKGÖZ(Student), 1997

ÖZCENGİZ G., An Optimization study on antidipteran (cryiv- type) toxin production, Post Graduate, M.Özkan(Student), 1997

ÖZCENGİZ G., An Optimization study on antidipteran (CRYIV type) toxin production, Post Graduate, M.ÖZKAN(Student), 1997

ÖZCENGİZ G., Regulation of delta-endotoksin biosynthesis and endospore formation in *Bacillus Thuringiensis*, Post Graduate, Y.TAYANÇ(Student), 1995

ÖZCENGİZ G., Regulation of delta-endotoxin biosynthesis and endospore formation in *bacillus thuringiensis* 81, Post Graduate, Y.Tayanç(Student), 1995

ÖZCENGİZ G., Characterization of various *Rhizobium cicer* strains and assessment of their symbiotic effectiveness, Post Graduate, B.İçgen(Student), 1994

ÖZCENGİZ G., Characterization of various *rhizobium cicer* strains and assesment of their symbiotic effectiveness, Post Graduate, B.İÇGEN(Student), 1994

ÖZCENGİZ G., Studies on heavy metal resistance system and accumulation of metals in *Kluyveroyces marxianus*, Post Graduate, A.Yazgan(Student), 1993

ÖZCENGİZ G., Studies on heavy metal resistance system and accumulation of metals in *kluyveromyces marxianus*, Post

Designed Lessons

Özcengiz G., Microbes and Molecular Pathogenesis , Under Graduate, 2015 - 2016

Özcengiz G., Genomics and Proteomics , Post Graduate, 2002 - 2003

Özcengiz G., Secondary Metabolites of Industrial Microorganisms, Post Graduate, 1994 - 1995

Özcengiz G., Microbial Physiology, Under Graduate, 1990 - 1991

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

- I. **Dynamic proteomic analysis of *Phanerochaete chrysosporium* under copper stress**
Okay S., Yildirim V., Buttner K., Becher D., ÖZCENGİZ G.
ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY, vol.198, 2020 (Journal Indexed in SCI)
- II. **Regulation of biofilm formation by *MarT* in *Salmonella Typhimurium***
Eran Z., AKÇELİK M., Yazici B. C. , ÖZCENGİZ G., AKÇELİK N.
MOLECULAR BIOLOGY REPORTS, vol.47, no.7, pp.5041-5050, 2020 (Journal Indexed in SCI)
- III. **Analysis of a *bac* operon-silenced strain suggests pleiotropic effects of bacilysin in *Bacillus subtilis***
ERTEKİN O., Kutnu M., Taskin A. A. , Demir M., Karataş A., ÖZCENGİZ G.
JOURNAL OF MICROBIOLOGY, vol.58, no.4, pp.297-313, 2020 (Journal Indexed in SCI)
- IV. ***Bacillus subtilis* overproduces industrially important extracellular enzymes upon the targeted deletion of bacilysin biosynthetic operon**
Ozcengiz C., Aytakin S., Islerel E. T. , Aktas C.
NEW BIOTECHNOLOGY, vol.44, 2018 (Journal Indexed in SCI)
- V. **Systemic analysis of multiple coordinated changes associated with clavulanic acid overproduction in an industrial strain of *S. clavuligerus***
Özcengiz G., Kurt Kızıldoğan A.
New Biotechnology, vol.44, pp.109, 2018 (Journal Indexed in SCI)
- VI. **Proteome-wide analysis of pleiotropic effects of targeted homoserine dehydrogenase (*hom*) gene disruption in *Streptomyces clavuligerus***
Özcengiz G., Özcan S., Kurt Kızıldoğan A.
New Biotechnology, vol.44, pp.109, 2018 (Journal Indexed in SCI)
- VII. **Recombinant outer membrane protein Q and putative lipoprotein from *Bordetella pertussis* inducing strong humoral response were not protective alone in the murine lung colonization model**
Yilmaz C., Ozcengiz E., ÖZCENGİZ G.
TURKISH JOURNAL OF BIOLOGY, vol.42, no.2, pp.123-131, 2018 (Journal Indexed in SCI)
- VIII. **Antibiotics: Pharmacokinetics, toxicity, resistance and multidrug efflux pumps**
Yilmaz C., ÖZCENGİZ G.
BIOCHEMICAL PHARMACOLOGY, vol.133, pp.43-62, 2017 (Journal Indexed in SCI)
- IX. **Genetic engineering of an industrial strain of *Streptomyces clavuligerus* for further enhancement of clavulanic acid production**
KURT KIZILDOĞAN A., Vanli Jaccard G., Mutlu A., Sertdemir I., ÖZCENGİZ G.
TURKISH JOURNAL OF BIOLOGY, vol.41, no.2, pp.342-356, 2017 (Journal Indexed in SCI)
- X. **Immunogenicity and protective efficacy of recombinant iron superoxide dismutase protein from *Bordetella pertussis* in mice models**
Yilmaz C., Apak A., Ozcengiz E., ÖZCENGİZ G.
MICROBIOLOGY AND IMMUNOLOGY, vol.60, no.11, pp.717-724, 2016 (Journal Indexed in SCI)
- XI. **Biochemistry, genetics and regulation of bacilysin biosynthesis and its significance more than an antibiotic**

ÖZCENGİZ G., ÖĞÜLÜR İ.

NEW BIOTECHNOLOGY, vol.32, no.6, pp.612-619, 2015 (Journal Indexed in SCI)

- XII. **Proteome-wide analysis of the functional roles of bacilysin biosynthesis in *Bacillus subtilis***
ÖZCENGİZ G., Taskin A. A. , Demir M., Karatas A. Y.
NEW BIOTECHNOLOGY, vol.31, 2014 (Journal Indexed in SCI)
- XIII. **Pertussis Vaccines: State-of-the-Art and Future Trends**
Tefon B. E. , Ozcengiz E., ÖZCENGİZ G.
CURRENT TOPICS IN MEDICINAL CHEMISTRY, vol.13, no.20, pp.2581-2596, 2013 (Journal Indexed in SCI)
- XIV. **Role of the cmcH-ccaR intergenic region and ccaR overexpression in cephamycin C biosynthesis in *Streptomyces clavuligerus***
Kurt A., Alvarez-Alvarez R., Liras P., ÖZCENGİZ G.
APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, vol.97, no.13, pp.5869-5880, 2013 (Journal Indexed in SCI)
- XV. **Recent advances in the biosynthesis of penicillins, cephalosporins and clavams and its regulation**
ÖZCENGİZ G., Demain A. L.
BIOTECHNOLOGY ADVANCES, vol.31, no.2, pp.287-311, 2013 (Journal Indexed in SCI)
- XVI. **Real-Time PCR Investigation of the Dynamic Expression of Three "RNA Processing and Modification" Genes of *Phanerochaete chrysosporium* Exposed to Lead**
Tekin E., İçgen B., Özcengiz G.
BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.90, pp.27-33, 2013 (Journal Indexed in SCI)
- XVII. **Immunogenicity and protective efficacy of the recombinant *Pasteurella lipoprotein E* and outer membrane protein H from *Pasteurella multocida* A:3 in mice**
Okay S., Ozcengiz E., GÜRSEL İ., ÖZCENGİZ G.
RESEARCH IN VETERINARY SCIENCE, vol.93, no.3, pp.1261-1265, 2012 (Journal Indexed in SCI)
- XVIII. **Cloning and expression of the *Clostridium thermocellum* L-lactate dehydrogenase gene in *Escherichia coli* and enzyme characterization**
Ozkan M., Yilmaz E., Lynd L., Ozcengiz G.
CANADIAN JOURNAL OF MICROBIOLOGY, vol.50, no.10, pp.845-851, 2004 (Journal Indexed in SCI)
- XIX. **Cloning, characterization and heterologous expression of the aspartokinase and aspartate semialdehyde dehydrogenase genes of cephamycin C-producer *Streptomyces clavuligerus***
Tunca S., Yilmaz E., Piret J., Liras P., Ozcengiz G.
RESEARCH IN MICROBIOLOGY, vol.155, no.7, pp.525-534, 2004 (Journal Indexed in SCI)
- XX. **2-Amino-N-(2-furylmethyl)propanamide as a novel alanylglycine equivalent synthesized by bacilysin synthetase**
Tuzun I., Karatas A., Sesenoglu O., Demir A., Ozcengiz G.
ENZYME AND MICROBIAL TECHNOLOGY, vol.33, no.5, pp.725-728, 2003 (Journal Indexed in SCI)
- XXI. **The effects of insertional mutations in comQ, comP, srfA, spo0H, spo0A and abrB genes on bacilysin biosynthesis in *Bacillus subtilis***
Karatas A., Cetin S., Ozcengiz G.
BIOCHIMICA ET BIOPHYSICA ACTA-GENE STRUCTURE AND EXPRESSION, vol.1626, pp.51-56, 2003 (Journal Indexed in SCI)
- XXII. **Colicinogeny in local isolates of salmonellae and plasmid transfer studies**
Elpek G., Içgen B., Ozcengiz G.
FOLIA MICROBIOLOGICA, vol.48, pp.257-260, 2003 (Journal Indexed in SCI)
- XXIII. **Nutritional and cultural parameters influencing antidipteran delta endotoxin production**
ÖZKAN M., DİLEK F. B. , YETİŞ Ü., ÖZCENGİZ G.
Research In Microbiology, pp.49-53, 2003 (Journal Indexed in SCI)
- XXIV. **Regulation of crystal protein biosynthesis by *Bacillus thuringiensis*: I. Effects of mineral elements and pH**
ICGEN Y., Içgen B., OZCENGİZ G.
RESEARCH IN MICROBIOLOGY, vol.153, no.9, pp.599-604, 2002 (Journal Indexed in SCI)

- XXV. **Regulation of crystal protein biosynthesis by *Bacillus thuringiensis*: II. Effects of carbon and nitrogen sources.**
Içgen Y., Içgen B., Özcengiz G.
Research in microbiology, vol.153, pp.605-9, 2002 (Journal Indexed in SCI Expanded)
- XXVI. **Characterization of *Salmonella enteritidis* isolates of chicken, egg and human origin from Turkey**
Içgen B., Gurakan G. C. , Özcengiz G.
FOOD MICROBIOLOGY, vol.19, pp.375-382, 2002 (Journal Indexed in SCI)
- XXVII. **Evaluation of symbiotic effectiveness of various *Rhizobium cicer* strains**
Içgen B., Özcengiz G., Alaeddinoglu N.
RESEARCH IN MICROBIOLOGY, vol.153, pp.369-372, 2002 (Journal Indexed in SCI)
- XXVIII. **Colicinogeny, lipopolysaccharide and outer membrane protein profiles of multi-drug resistant *Salmonella typhimurium* isolates from Turkey**
Içgen B., Elpek G., Özcengiz G., Gültekin G. C.
Turkish Journal Of Medical Sciences, no.6, pp.483-486, 2002 (Journal Indexed in SCI Expanded)
- XXIX. **Characterisation of local isolates of Enterobacteriaceae from Turkey**
Içgen B., Gurakan G. C. , Özcengiz G.
MICROBIOLOGICAL RESEARCH, vol.157, pp.233-238, 2002 (Journal Indexed in SCI)
- XXX. **Effects of plasmid curing on antibiotic susceptibility, phage type, lipopoly saccharide and outer membrane protein profiles in local *Salmonella* isolates**
Içgen B., Gurakan G. C. , Özcengiz G.
FOOD MICROBIOLOGY, vol.18, pp.631-635, 2001 (Journal Indexed in SCI)
- XXXI. **Bacilysin biosynthesis by a partially-purified enzyme fraction from *Bacillus subtilis***
Yazgan A., Özcengiz G., Özcengiz E., Kilinc K., Marahiel M., Alaeddinoglu N.
ENZYME AND MICROBIAL TECHNOLOGY, vol.29, pp.400-406, 2001 (Journal Indexed in SCI)
- XXXII. **Tn10 insertional mutations of *Bacillus subtilis* that block the biosynthesis of bacilysin**
Yazgan A., Özcengiz G., Marahiel M.
BIOCHIMICA ET BIOPHYSICA ACTA-GENE STRUCTURE AND EXPRESSION, vol.1518, pp.87-94, 2001 (Journal Indexed in SCI)
- XXXIII. **The removal of Pb(II) by *Phanerochaete chrysosporium***
YETİŞ Ü., Dolek A., DİLEK F. B. , ÖZCENGİZ G.
Water Research, vol.34, no.16, pp.4090-4100, 2000 (Journal Indexed in SCI)
- XXXIV. **Multiple drug resistance patterns and plasmid profiles of non-typhi salmonellae in Turkey**
Yildirmak T., Yazgan A., Özcengiz G.
EPIDEMIOLOGY AND INFECTION, vol.121, no.2, pp.303-307, 1998 (Journal Indexed in SCI)
- XXXV. **Superiority of the PCR-based approach for cloning the acetate kinase gene of *Clostridium thermocellum***
Özcengiz G., Kim J., Lin W., Özcengiz E., Westenberg D., Lynd L., Demain A.
JOURNAL OF INDUSTRIAL MICROBIOLOGY & BIOTECHNOLOGY, vol.21, no.3, pp.145-149, 1998 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Proteome-wide alterations in an industrial clavulanic acid producing strain of *Streptomyces clavuligerus***
Unsaldi E., Kurt-Kizildogan A., Voigt B., Becher D., ÖZCENGİZ G.
SYNTHETIC AND SYSTEMS BIOTECHNOLOGY, vol.2, no.1, pp.39-48, 2017 (Journal Indexed in ESCI)

Books & Book Chapters

- I. **Sıvı kromatografi-Kütle spektrometrisi (LC-MS). Proteomiği**
YILDIRIM V., ÖZCENGİZ G.
in: Temel ve İleri Moleküler Biyoloji Yöntemleri: Genomik ve Proteomik Analizler., Güler Temizkan and Nazlı Arda, Editor, Nobel Tıp Kitapevleri Tic. Ltd., İstanbul, pp.687-700, 2018
- II. **Advances in beta-lactam antibiotics**
Özcengiz G., Barredo J. L. , Demain A. L.
in: Antimicrobial compounds. Current Strategies and New Alternatives., T.G.Villa,P. Veiga-Crespo, Editor, Springer-Verlag , Berlin, pp.115-147, 2013

Refereed Congress / Symposium Publications in Proceedings

- I. **Dynamic comparative secretome analysis of Bacillus subtilis standard strain and its bacilysin-deleted mutant.**
Özcengiz G.
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