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Education Information

Doctorate, Middle East Technical University, Fen Bilimleri Enstitüsü, Turkey 1999 - 2006

Postgraduate, Middle East Technical University, Fen Bilimleri Enstitüsü, Turkey 1995 - 1999

Undergraduate, Hacettepe University, Fen Fakültesi, Turkey 1990 - 1994

Dissertations

Doctorate, Characterization and purification of a bacteriocin produced by *leuconostoc mesenteroides* subsp. *cremoris*, Middle East Technical University, Fen Bilimleri Enstitüsü, 2006

Postgraduate, Utilization of lignacellulosic compounds for the production of cellulases by *torula thermophila*, Middle East Technical University, Fen Bilimleri Enstitüsü, 1999

Academic Titles / Tasks

Research Assistant, Hacettepe University, Fen Fakültesi, 2005 - 2006

Lecturer, Hacettepe University, Fen Fakültesi, 2004 - 2005

Lecturer, Hacettepe University, Kaman Meslek Yüksekokulu, 2001 - 2004

Advising Theses

DÜNDAR H., Determination of in service education requirements of class teachers related to fourth class science and technology course, S.Dülgergil(Student), 2014

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

- I. **The chemical chaperone 4-phenylbutyrate enhances alpha-galactosidase activity subsequent to stop-codon read-through therapy with triamterene in Fabry R227X fibroblasts**
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- II. **Bacteriocinogenic Potential of *Enterococcus faecium* Isolated from Wine**
Dundar H.
Probiotics and Antimicrobial Proteins, vol.8, no.3, pp.150-160, 2016 (Journal Indexed in SCI Expanded)
- III. **Purification and characterization of a bacteriocin from an oenological strain of *Leuconostoc mesenteroides* subsp *cremoris***
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PREPARATIVE BIOCHEMISTRY & BIOTECHNOLOGY, vol.46, no.4, pp.354-359, 2016 (Journal Indexed in SCI)
- IV. **Comparison of Two Methods for Purification of Enterocin B, a Bacteriocin Produced by**

Enterococcus faecium W3

Dundar H., Atakay M., Çelikbıçak Ö., Salih B., Bozoglu F.

PREPARATIVE BIOCHEMISTRY & BIOTECHNOLOGY, vol.45, no.8, pp.796-809, 2015 (Journal Indexed in SCI)

- V. **The fsr Quorum-Sensing System and Cognate Gelatinase Orchestrate the Expression and Processing of Proprotein EF_1097 into the Mature Antimicrobial Peptide Enterocin O16**
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- VI. **Large-scale purification of a bacteriocin produced by Leuconostoc mesenteroides subsp cremoris using diatomite calcium silicate**
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TURKISH JOURNAL OF BIOLOGY, vol.38, no.5, pp.611-618, 2014 (Journal Indexed in SCI)
- VII. **Galactosemia in the Turkish population with a high frequency of Q188R mutation and distribution of Duarte-1 and Duarte-2 variations**
Oezgul R. K. , Guezel-Ozantuerk A., Dündar H., Yucel-Yilmaz D., Coşkun T., Sivri S., Aydogdu S., Tokatli A., Dursun A.
JOURNAL OF HUMAN GENETICS, vol.58, no.10, pp.675-678, 2013 (Journal Indexed in SCI)
- VIII. **Microarray based mutational analysis of patients with methylmalonic acidemia: Identification of 10 novel mutations**
Dündar H., Özgül R. K. , Guzel-Ozanturk A., Dursun A., Sivri S., Aliefendioglu D., Coskun T., Tokatli A.
MOLECULAR GENETICS AND METABOLISM, vol.106, no.4, pp.419-423, 2012 (Journal Indexed in SCI)
- IX. **Identification of a Novel Twinkle Mutation in a Family With Infantile Onset Spinocerebellar Ataxia by Whole Exome Sequencing**
Dündar H., Özgül R. K. , Yalınzoğlu D., Erdem S., Oguz K. K. , Tuncel D., Temuçin Ç. M. , Dursun A.
PEDIATRIC NEUROLOGY, vol.46, no.3, pp.172-177, 2012 (Journal Indexed in SCI)
- X. **Submerged cultivation of Scytalidium thermophilum on complex lignocellulosic biomass for endoglucanase production**
Ogel Z., Yarangumeli K., Dundar H., Ifrij I.
ENZYME AND MICROBIAL TECHNOLOGY, vol.28, pp.689-695, 2001 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Triamterene-induced suppression of R227X premature termination codon in Fabry disease**
Dündar H., Udgu B., Biberöglü G., Inci A., Ezgu F., Işık Gönül İ., Okur İ., Tümer L.
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- II. **Triamterene normalizes glycosaminoglycan accumulation in an IDUA-W402X mouse model of MPS I (Hurler syndrome) via nonsense suppression**
Bedwell D., Siddiqui A., Dundar H., Echols J., Du M., Rasmussen L., Bostwick J. R. , Suto M., Keeling K.
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- III. **In vitro translational readthrough by gentamicin and geneticin improves GLA activity in Fabry disease**
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- IV. **Genome wide genotyping for the characterization of disease locus in a family with an uncharacterized neurometabolic disease**
DÜNDAR H., YÜCEL D., DURSUN A., ÖZGÜL R. K.
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- V. **Purification characterization and partial amino acid sequence of mesentericin W3 a new anti Listeria**

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36. FEBS Kongresi, Turin, Italy, 25 - 30 June 2011, vol.278, pp.167

- VI. **Next generation sequencing in a family with infantile onset spinocerebellar ataxia identified a novel missense mutation in C10orf2 gene**
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- VII. **Identification of a novel insertion mutation in PCCA gene of a Turkish propionic acidemia patient**
DÜNDAR H., ÖZGÜL R. K. , DURSUN A.
9. Uluslararası Katılımlı Ulusal Tıbbi Genetik Kongresi, İstanbul, Turkey, 1 - 05 December 2010, vol.78, pp.125
- VIII. **Structural analysis of three novel missense mutations in the Mut gene of methylmalonic acidemia patients**
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9. Uluslararası Katılımlı Tıbbi Genetik Kongresi, İstanbul, Turkey, 1 - 05 December 2010, vol.78, pp.125
- IX. **Characterization of fahasecin a powerful bacteriocin isolated from wine flora In addition to control of MF in wines the inhibition of important pathogens is provided**
YURDUGÜL S., DÜNDAR H., BOZOĞLU T. F.
Central European Symposium on Industrial Microbiology and Microbial Ecology, MALINSKA, Croatia, 22 - 25 September 2010
- X. **Homozigotluk haritalaması ve ekzon dizileme yöntemi ile infantile onset spinocerebellar ataxi IOSCA ya neden olan C10orf2 gen mutasyonunun saptanması**
ÖZGÜL R. K. , DÜNDAR H., YALNIZOĞLU D., ERDEM ÖZDAMAR S., TUNCEL D., TEMUÇİN Ç. M. , AKARSU A. N. , DURSUN A.
Uluslararası Katılımlı 11. Metabolik Hastalıklar ve Beslenme Kongresi, ÇESME/İZMİR, Turkey, 14 - 16 April 2011
- XI. **Molecular and structural analysis of six nonsense mutations in mut methylmalonic acidemia patients including two novel nonsense mutations**
DÜNDAR H., ÖZGÜL R. K. , ÜNAL Ö., KARACA M., AYDIN H. İ. , TOKATLI A., SİVRİ H. S. , COŞKUN T.
Annual Symposium of the Society for the Study of Inborn Error of Metabolism, İstanbul, Turkey, 31 August - 03 September 2010, vol.33, pp.177
- XII. **Galactosemia in a Turkish population with a high prevalence of Q188R mutation**
GÜZEL A., ÖZGÜL R. K. , DÜNDAR H., COŞKUN T., SİVRİ H. S. , TOKATLI A., GÖKSUN E., HİŞMİ B., DURSUN A.
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- XIII. **Molecular analysis of homocystinuria in Turkish patients**
KARACA M., ÖZGÜL R. K. , DÜNDAR H., COŞKUN T., TOKATLI A., SİVRİ H. S. , DURSUN A.
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- XIV. **Association of polyneuropathy mental retardation sensorineural hearing loss 6th nerve palsy convulsions and oral dyskinesia a propable new neurometabolic disorder**
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- XV. **Mutation profile of BCKDHA BCKDHB and DBT genes for maple syrup urine disease in Turkey**
ÖZGÜL R. K. , GÜZEL A., DÜNDAR H., YÜCEL D., YILMAZ A., ÜNAL Ö., TOKATLI A., SİVRİ H. S. , COŞKUN T., DURSUN A.
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- XVI. **Cirrhosis associated with propionate metabolism**
DURSUN A., DÜNDAR H., ÖZGÜL R. K. , TALİM B., KALE G., DEMİR H., SALTİK TEMİZEL İ. N. , TOKATLI A., SİVRİ H. S. , COŞKUN T.
Annual Symposium of the Society for the Study of Inborn Error of Metabolism, İstanbul, Turkey, 31 August - 03 September 2010, vol.33, pp.50

- XVII. **Screening of ATP7B gene mutations in Turkish patients with Wilson disease by custom designed resequencing microarrays**
YILMAZ A., GÜZEL A., DÜNDAR H., DURSUN A., USLU N., YUCE A., ÖZGÜL R. K.
Annual Symposium of the Society for the Study of Inborn Error of Metabolism, İstanbul, Turkey, 31 August - 03 September 2010, vol.33, pp.160
- XVIII. **Analysis of MUT gene mutations in Turkish patients with methylmalonic acidemia using resequencing microarrays identification of fourteen novel mutations**
DÜNDAR H., ÖZGÜL R. K. , DURSUN A.
European Human Genetics Conference, GÖTEBORG, Sweden, 12 - 15 June 2010, pp.355
- XIX. **Leuconostoc mesenteroides subsp cremoris tarafından üretilen bir bakteriyosinin büyük ölçekte ve hızlı saflaştırılması**
DÜNDAR H., BOZOĞLU T. F.
19. Ulusal Biyoloji Kongresi, Trabzon, Turkey, 23 - 27 June 2008, pp.98
- XX. **Leuconostoc mesenteroides subsp cremoris tarafından üretilen bir bakteriyosinin tanımlanması**
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- XXI. **Leuconostoc mesenteroides subsp cremoris tarafından üretilen bir bakteriyosinin saflaştırılması**
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Citations

Total Citations (WOS):106

h-index (WOS):5