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Education Information

Doctorate, Sabanci University, Institute Of Science, Biyoloji Bilimleri ve Biyomühendislik, Turkey 2005 - 2011

Post Graduate, Sabanci University, Institute Of Science, Biyoloji Bilimleri ve Biyomühendislik , Turkey 2003 - 2005

Under Graduate, Bogazici University, Faculty Of Science And Letters, Department Of Molecular Biology And Genetics, Turkey 1998 - 2003

Dissertations

Post Graduate, Covalent modification of enzymes for textile processes, Sabanci University, Institute Of Science, Biyoloji Bilimleri ve Biyomühendislik, 2005

Research Areas

Bioinformatics, Biotechnology, Bioreactor, Environmental Biotechnology, Industrial Biotechnology, Microbial Biotechnology, Molecular Biology and Genetics, Natural Sciences

Academic Titles / Tasks

Associate Professor, Acibadem Mehmet Ali Aydınlar University, Sağlık Bilimleri Enstitüsü, Medikal Biyoteknoloji Bütünleşik Doktora Programı, 2019 - Continues

Associate Professor, Istanbul Arel University, Faculty Of Science And Letters, Department Of Molecular Biology And Genetics, 2018 - 2019

Assistant Professor, Istanbul Arel University, Faculty Of Science And Letters, Department Of Molecular Biology And Genetics, 2017 - 2018

Lecturer PhD, Technische Universitaet Wien, Institute of Chemical, Environmental and Bioscience Engineering, Research Division of Biochemical Technology, 2014 - 2016

Professional Experience

Deputy Head of Department, Istanbul Arel University, Faculty Of Science And Letters, Department Of Molecular Biology And Genetics, 2018 - 2019

Vice Dean, Istanbul Arel University, Faculty Of Science And Letters, 2017 - 2019

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

- **COMPARATIVE PHYSIOCHEMICAL ANALYSIS OF HYDROPHOBINS PRODUCED IN ESCHERICHIA COLI AND PICHIA PASTORIS**

Przyłucka A., Akcapinar G., Bonazza K., Mello-de-Sousa T. M. , Mach-Aigner A. R. , Lobanov V., Grothe H., Kubicek C. P. , Reimhult E., Druzhinina I. S.

COLLOIDS AND SURFACES B-BIOINTERFACES, vol.159, pp.913-923, 2017 (Journal Indexed in SCI)

- **HFB7-A novel orphan hydrophobin of the Harzianum and Virens clades of Trichoderma, is involved in response to biotic and abiotic stresses**
Przylucka A., Akcapinar G., Chenthamara K., Cai F., Grujic M., Karpenko J., Livoi M., Shen Q., Kubicek C. P. , Druzhinina I. S.
FUNGAL GENETICS AND BIOLOGY, vol.102, pp.63-76, 2017 (Journal Indexed in SCI)
- **Computational approaches for *de novo* design and redesign of metal-binding sites on proteins.**
Akcapinar G., Sezerman O. U.
Bioscience reports, vol.37, 2017 (Journal Indexed in SCI)
- **The neutral metallopeptidase NMP1 of Trichoderma guizhouense is required for mycotrophy and self-defence**
Zhang J., Akcapinar G., Atanasova L., Rahimi M. J. , Przylucka A., Yang D., Kubicek C. P. , Zhang R., Shen Q., Druzhinina I. S.
ENVIRONMENTAL MICROBIOLOGY, vol.18, pp.580-597, 2016 (Journal Indexed in SCI)
- **Molecular diversity of LysM carbohydrate-binding motifs in fungi**
Akcapinar G., Kappel L., Sezerman O. U. , Seidl-Seiboth V.
CURRENT GENETICS, vol.61, pp.103-113, 2015 (Journal Indexed in SCI)
- **Stress effects caused by the expression of a mutant cellobiohydrolase I and proteasome inhibition in Trichoderma reesei Rut-C30**
Kautto L., Grinyer J., Paulsen I., Tetu S., Pillai A., Pardiwalla S., Sezerman U., Akcapinar G., Bergquist P., Te'o J., et al.
NEW BIOTECHNOLOGY, vol.30, pp.183-191, 2013 (Journal Indexed in SCI)
- **From in silico to in vitro: Modelling and production of Trichoderma reesei endoglucanase 1 and its mutant in Pichia pastoris**
Akcapinar G., Gul O., Sezerman U. O.
JOURNAL OF BIOTECHNOLOGY, vol.159, pp.61-68, 2012 (Journal Indexed in SCI)
- **Effect of Codon Optimization on the Expression of Trichoderma reesei Endoglucanase 1 in Pichia pastoris**
Akcapinar G., Gul O., Sezerman U.
BIOTECHNOLOGY PROGRESS, vol.27, pp.1257-1263, 2011 (Journal Indexed in SCI)

Articles Published in Other Journals

- **Systems Biological Applications for Fungal Gene Expression**
Akcapinar G., SEZERMAN O. U.
GENE EXPRESSION SYSTEMS IN FUNGI: ADVANCEMENTS AND APPLICATIONS, pp.385-393, 2016
(Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- **Rational design of novel Trichoderma hydrophobins for industrial applications**
BAYRAM AKÇAPINAR G., PRZYLUCKA A., Cai F., Mello De Sousa T. M. , Grothe H., Reimhult E., Mach Aigner A., Qirong S., Druzhinina I. S.
13th European Conference on Fungal Genetics, ECFG13, Paris, France, 3 - 06 April 2016
- **Hydrophobins of Trichoderma guizhouense inhibit tomato defence system for successful colonization of rhizosphere**
Cai F., BAYRAM AKÇAPINAR G., Przylucka A., Pang G., Qirong S., Druzhinina I. S.
13th European Conference on Fungal Genetics, ECFG13, Paris, France, 3 - 06 April 2016
- **Hydrophobins of Trichoderma as immobilizers of enzymes on polymeric surfaces for biocatalysis**
Przylucka A., BAYRAM AKÇAPINAR G., Boraca M., Kubicek C. P. , Druzhinina I. S.
Biotrans 2015, Viyana, Austria, 26 - 30 July 2015
- **Modulation of surface properties of materials by engineered hydrophobins for effective biocatalysis**

BAYRAM AKÇAPINAR G., Pryzlucka A., Cai F., Shen Q., Kubicek C. P. , Druzhinina I. S.
Biotrans 2015, Viyana, Austria, 26 - 30 July 2015

- **From in silico to in vitro Modelling and production of Trichoderma reesei endoglucanase 1 mutants in Pichia pastoris for textile biofinishing**
BAYRAM AKÇAPINAR G., GÜL Ö., SEZERMAN O. U.
III International Conference on Environmental, Industrial and Applied Microbiology “ (BioMicroWorld2009), Lizbon, Portugal, 2 - 04 December 2009
- **Cloning of T reesei Cellulase Components in P pastoris and Impact of Loop Mutations on EGI of T reesei**
BAYRAM AKÇAPINAR G., GÜL Ö., SEZERMAN O. U.
International Enzyme Engineering Symposium (IEES'08), Aydın, Turkey, 1 - 05 October 2008
- **Impact of mutations on thermal stability of T reesei EGII a computational study**
BAYRAM AKÇAPINAR G., Sezerman A. Ö. , SEZERMAN O. U.
13th European Congress on Biotechnology (Symbiosis), Barcelona, Spain, 16 - 19 September 2007, vol.131, pp.259-260
- **Immobilized Glucose Oxidase GOD for better stability and reuse in biobleaching of textiles**
BAYRAM AKÇAPINAR G., DAVULCU A., SEZERMAN A. Ö. , Taralp A., SEZERMAN O. U. , ANIŞ P., EREN H. A. , MENCELOĞLU Y. Z.
7th International Symposium on Biocatalysis and Biotransformations (BIOTRANS 2005), Delft, Netherlands, 3 - 08 July 2005
- **Use of cellulase jeffamine networks in place of the free enzyme may alleviate the problem of lost fiber strength during textile processing**
BAYRAM AKÇAPINAR G., Duran K., Körlü Ekmekçi A., BAHTİYARİ M. İ. , Taralp A., SEZERMAN O. U.
229th National Meeting of the American-Chemical-Society, San Diego, United States Of America, 13 - 17 March 2005
- **Treatment of viscose with crosslinked commercial cellulases**
BAYRAM AKÇAPINAR G., Duran K., BAHTİYARİ M. İ. , Körlü Ekmekçi A., Taralp A., SEZERMAN O. U.
3rd International Conference on Textile Biotechnology (INTB04), Graz, Austria, 13 - 16 June 2004

Citations

Total Citations (WOS):118

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