

## Res. Asst. ERDEM BOY

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: DUV-4247-2022

Yoksis Researcher ID: 164831

### Education Information

Doctorate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Kimya Mühendisliği (Dr), Turkey 2012 - Continues

Postgraduate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Kimya Mühendisliği (YI) (Tezli), Turkey 2008 - 2011

Undergraduate, Middle East Technical University, Faculty of Engineering, Department of Chemical Engineering, Turkey 2000 - 2004

### Foreign Languages

English, C1 Advanced

### Dissertations

Postgraduate, Recombinant *Pyrococcus furiosus* extracellular alpha-amylase expression in *Pichia pastoris*, Middle East Technical University, Graduate School of Natural and Applied Sciences, Kimya Mühendisliği (YI) (Tezli), 2011

### Academic Titles / Tasks

Research Assistant, Middle East Technical University, Graduate School of Natural and Applied Sciences, 2010 - Continues

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Methanol feeding strategy design enhances recombinant human growth hormone production by *Pichia pastoris***  
Gunes H., BOY E., Ata O., Zerbe G. H., ÇALIK P., Ozdamar T. H.  
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.91, no.3, pp.664-671, 2016 (SCI-Expanded)
- II. **Codon optimization of *xylA* gene for recombinant glucose isomerase production in *Pichia pastoris* and fed-batch feeding strategies to fine-tune bioreactor performance**  
Ata O., BOY E., Gunes H., ÇALIK P.  
BIOPROCESS AND BIOSYSTEMS ENGINEERING, vol.38, no.5, pp.889-903, 2015 (SCI-Expanded)
- III. **Recombinant protein production in *Pichia pastoris* under glyceraldehyde-3-phosphate**

**dehydrogenase promoter: From carbon source metabolism to bioreactor operation parameters**

ÇALIK P., Ata O., Gunes H., Massahi A., BOY E., KESKİN A., Ozturk S., Zerze G. H., Ozdamar T. H.

BIOCHEMICAL ENGINEERING JOURNAL, vol.95, pp.20-36, 2015 (SCI-Expanded)

**IV. Effect of co-substrate sorbitol different feeding strategies on human growth hormone production by recombinant Pichia pastoris**

ÇALIK P., Bozkurt B., Zerze G. H., Inankur B., Bayraktar E., BOY E., Orman M. A., Acik E., Ozdamar T. H.

JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.88, no.9, pp.1631-1640, 2013 (SCI-Expanded)

**V. Verification of GMO analytical methods: DNA isolation and quantitative detection methods for Roundup Ready soy flour**

Yilmaz R., Bayrac C., MUTLU P., BOY E., Yucel M.

NEW BIOTECHNOLOGY, vol.29, 2012 (SCI-Expanded)

## **Refereed Congress / Symposium Publications in Proceedings**

**I. Challenges in Pichia pastoris promoters for recombinant protein production AOX1 promoter versus GAP promoter**

ÇALIK P., GÜNEŞ H., KESKİN A., Ata Ö., BOY E., Özdamar H. T.

Pichia 2016 Conference, 3 - 06 April 2016

## **Supported Projects**

YÜCEL A. M., MUTLU P., BOY E., Project Supported by Higher Education Institutions, Genetik Modifiye Bt11 Mısır Ve Rr Soya Ürünlerinde Real-Time Pcr Tekniği Kullanılarak Saptama Ve Miktar Tayini Yöntemlerinin Gerçekleşmesi., 2012 - Continues

## **Metrics**

Publication: 6

Citation (WoS): 136

Citation (Scopus): 144

H-Index (WoS): 4

H-Index (Scopus): 4