

Res. Asst. ERDEM BOY

Personal Information

Email: eboy@metu.edu.tr

Web: <https://avesis.metu.edu.tr/eboy>

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

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

- I. **Methanol feeding strategy design enhances recombinant human growth hormone production by *Pichia pastoris***
Gunes H., BOY E., Ata O., Zerze G. H. , ÇALIK P., Ozdamar T. H.
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.91, no.3, pp.664-671, 2016 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)

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 (Journal Indexed in SCI)

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

Citations

Total Citations (WOS):109

h-index (WOS):4