

Prof. MELEK TİJEN BOZDEMİR

Personal Information

Office Phone: [+90 312 297 7455](tel:+903122977455)

Email: bozdemir@hacettepe.edu.tr

Address: Hacettepe Üniversitesi Mühendislik Fakültesi Kimya Mühendisliği Bölümü Beytepe 06532 Amkara

Education Information

Doctorate, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Mühendisliği Bölümü, Turkey 1985 - 1989

Postgraduate, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Mühendisliği Bölümü, Turkey 1981 - 1985

Undergraduate, Hacettepe Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Turkey 1977 - 1981

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Chemical Engineering and Technology, Biotechnology, Biotechnological Processes and Fermentation Technology, Engineering and Technology

Academic Titles / Tasks

Professor, Hacettepe Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2000 - Continues

Associate Professor, Hacettepe Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 1995 - 2000

Assistant Professor, Hacettepe Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 1990 - 1995

Research Assistant, Hacettepe Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 1982 - 1990

Academic and Administrative Experience

Hacettepe Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2007 - 2010

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

- I. **Effects of initial medium pH and temperature on growth and citric acid production kinetics of a novel domestic *Yarrowia lipolytica* strain**
KARASU YALÇIN S., BOZDEMİR M. T., ÖZBAŞ Z. Y.
NEW BIOTECHNOLOGY, vol.29, 2012 (Journal Indexed in SCI)
- II. **Effects of Different Fermentation Conditions on Growth and Citric Acid Production Kinetics of two *Yarrowia lipolytica* Strains**
Karasu-Yalcin S., BOZDEMİR M. T., ÖZBAŞ Z. Y.
CHEMICAL AND BIOCHEMICAL ENGINEERING QUARTERLY, vol.24, no.3, pp.347-360, 2010 (Journal Indexed in

SCI)

- III. **A comparative study of the effects of glycerol and mannitol on citric acid production by two *Yarrowia lipolytica* strains**
KARASU YALÇIN S., BOZDEMİR M. T., ÖZBAŞ Z. Y.
ROMANIAN BIOTECHNOLOGICAL LETTERS, vol.14, no.6, pp.4870-4881, 2009 (Journal Indexed in SCI)
- IV. **A comparative study on citric acid production kinetics of two *Yarrowia lipolytica* strains in two different media**
Yalcin S. K., BOZDEMİR M. T., ÖZBAŞ Z. Y.
INDIAN JOURNAL OF BIOTECHNOLOGY, vol.8, no.4, pp.408-417, 2009 (Journal Indexed in SCI)
- V. **Utilization of Whey and Grape Must for Citric Acid Production by Two *Yarrowia lipolytica* Strains**
Yalcin S. K., BOZDEMİR M. T., ÖZBAŞ Z. Y.
FOOD BIOTECHNOLOGY, vol.23, no.3, pp.266-283, 2009 (Journal Indexed in SCI)
- VI. **Sulfur analysis of Bolu-Mengen lignite before and after microbiological treatment using reductive pyrolysis and gas chromatography/mass spectrometry**
Mullens S., Yperman J., Carleer R., Bozdemir T., Durusoy T., Yurum Y.
ENERGY & FUELS, vol.19, no.3, pp.1029-1036, 2005 (Journal Indexed in SCI)
- VII. **Comparison of maleic anhydride grafting onto powder and granular polypropylene in the melt by reactive extrusion**
Guldogan Y., Egri S., Rzaev Z., Piskin E.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.92, no.6, pp.3675-3684, 2004 (Journal Indexed in SCI)
- VIII. **Effects of heating rate and particle size on pyrolysis kinetics of Gediz lignite**
Guldogan Y., Durusoy T., Bozdemir T.
ENERGY SOURCES, vol.24, no.8, pp.753-760, 2002 (Journal Indexed in SCI)
- IX. **Biodesulfurization of Mengen lignite with *Rhodococcus rhodochrous*: Effects of lignite concentration and retreatment**
Bayram Z., Bozdemir T., Durusoy T., Yurum Y.
ENERGY SOURCES, vol.24, no.7, pp.625-631, 2002 (Journal Indexed in SCI)
- X. **Effect of heating rate on pyrolysis kinetics of Tuncbilek lignite**
Guldogan Y., Bozdemir T., Durusoy T.
ENERGY SOURCES, vol.22, no.4, pp.305-312, 2000 (Journal Indexed in SCI)

Books & Book Chapters

- I. **Citric Acid Production by Yeasts: Fermentation Conditions, Process Optimization and Strain Improvement**
Seda K. Y., BOZDEMİR M. T., ÖZBAŞ Z. Y.
in: Current Research Technology and Education Topics in Applied Microbiology and Microbial Biotechnology, Mendez-Vilas A, Editor, Formatex Research Center, Madrid, pp.1374-1382, 2010

Refereed Congress / Symposium Publications in Proceedings

- I. **Effects of various substrates on growth and pullulan production characteristics of *Aureobasidium pullulans* AZ-6**
MÜJDECİ G. N., BOZDEMİR M. T., ÖZBAŞ Z. Y.
10th Balkan Congress of Microbiology, Microbiologia Balkanica, 2017, Sofya, Bulgaria, 16 - 18 November 2017
- II. **A comparative study on β -carotene production of some *Rhodotorula* strains.**
MIDIK F., BOZDEMİR M. T., ÖZBAŞ Z. Y.
10th Balkan Congress of Microbiology, Microbiologia Balkanica' 2017, Sofia, Bulgaria, Sofya, Bulgaria, 16 - 18 November 2017

- III. **A comparative study on beta karoten production of some Rhodotorula strains**
Mıdık F., BOZDEMİR M. T. , ÖZBAŞ Z. Y.
10th Balkan Congress of Microbiology, Microbiologia Balkanica 2017, Sofya, Bulgaria, 16 - 18 November 2017
- IV. **Mikrobiyel bir polisakkarit: Pullulan ve uygulama alanları**
MÜJDECİ G. N. , BOZDEMİR M. T. , ÖZBAŞ Z. Y.
10. Gıda Mühendisliği Kongresi, Antalya, Turkey, 9 - 11 November 2017
- V. **A comparative study on pullulan production by various Aureobasidium pullulans strains.**
MÜJDECİ G. N. , BOZDEMİR M. T. , ÖZBAŞ Z. Y.
FEMS 2017-7th Congress of European Microbiologists, Valencia, Spain, Valensiya, Spain, 9 - 13 July 2017
- VI. **A comparative study on pullulan production by various Aureobasidium pullulans**
MÜJDECİ G. N. , BOZDEMİR M. T. , ÖZBAŞ Z. Y.
FEMS 2017-7th Congress of European Microbiologists, Valensiya, 9 - 13 July 2017
- VII. **Influences of different minerals on the growth and citric acid production of Yarrowia lipolytica**
Karasu Yalçın S., BOZDEMİR M. T. , ÖZBAŞ Z. Y.
FEMS-6th Congress of European Microbiologists, Maastricht, Netherlands, 8 - 11 June 2015

Citations

Total Citations (WOS):121

h-index (WOS):7