

## Prof. ZEKIYE YEŞİM ÖZBAŞ

### Personal Information

Office Phone: [+90 312 297 7112](tel:+903122977112)

Fax Phone: [+90 312 299 2123](tel:+903122992123)

Email: [yesim@hacettepe.edu.tr](mailto:yesim@hacettepe.edu.tr)

### Education Information

Doctorate, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Gıda Mühendisliği Anabilim Dalı, Turkey 1987 - 1991

Postgraduate, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Gıda Mühendisliği Anabilim Dalı, Turkey 1984 - 1987

Undergraduate, Hacettepe Üniversitesi, Mühendislik Fakültesi, Gıda Mühendisliği Bölümü, Turkey 1979 - 1984

### Foreign Languages

English, B2 Upper Intermediate

### Research Areas

Food Engineering, Food Science, Food Microbiology, Engineering and Technology

### Academic Titles / Tasks

Professor, Hacettepe Üniversitesi, Mühendislik Fakültesi, Gıda Mühendisliği Bölümü, 2003 - Continues

Associate Professor, Hacettepe Üniversitesi, Mühendislik Fakültesi, Gıda Mühendisliği Bölümü, 1996 - 2003

Assistant Professor, Hacettepe Üniversitesi, Mühendislik Fakültesi, Gıda Mühendisliği Bölümü, 1993 - 1996

Research Assistant, Hacettepe Üniversitesi, Mühendislik Fakültesi, Gıda Mühendisliği Bölümü, 1985 - 1993

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

- I. **Yeast Identification During Fermentation of Turkish Gemlik Olives**  
Mujdeci G., Arevalo-Villena M., ÖZBAŞ Z. Y., Perez A. B.  
JOURNAL OF FOOD SCIENCE, vol.83, no.5, pp.1321-1325, 2018 (Journal Indexed in SCI)
- II. **CHARACTERIZATION OF SOME INDIGENOUS SACCHAROMYCES CEREVISIAE ISOLATES OBTAINED DURING VINIFICATION OF 'KALECIK KARASI' AND 'EMIR' GRAPES GROWN IN CENTRAL ANATOLIA**  
Senses-Ergul S., ÖZBAŞ Z. Y.  
CIENCIA E TECNICA VITIVINICOLA, vol.31, no.2, pp.51-62, 2016 (Journal Indexed in SCI)
- III. **Molecular Identification of the Yeast Strains Associated with Spontaneous Wine Fermentation of Kalecik Karasi and Emir Grapes**  
Karasu-Yalcin S., Senses-Ergul S., ÖZBAŞ Z. Y.  
JOURNAL OF PURE AND APPLIED MICROBIOLOGY, vol.7, no.4, pp.2653-2672, 2013 (Journal Indexed in SCI)
- IV. **Molecular identification of some yeast strains isolated from various sugary foods**  
Senses-Ergul S., KARASU YALÇIN S., ÖZBAŞ Z. Y.  
ANNALS OF MICROBIOLOGY, vol.62, no.4, pp.1501-1516, 2012 (Journal Indexed in SCI)

- V. **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)
- VI. **Identification and enzymatic characterization of the yeasts isolated from Erzincan tulum cheese**  
Karasu-Yalcin S., Senses-Ergul S., ÖZBAŞ Z. Y.  
MLJEKARSTVO, vol.62, no.1, pp.53-61, 2012 (Journal Indexed in SCI)
- VII. **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)
- VIII. **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)
- IX. **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)
- X. **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)
- XI. **Chemical composition, antibacterial and antifungal activity of the essential oil of *Thymbra spicata* L. from Turkey**  
ÜNLÜ M., Vardar-Unlu G., VURAL N., DÖNMEZ E., ÖZBAŞ Z. Y.  
NATURAL PRODUCT RESEARCH, vol.23, no.6, pp.572-579, 2009 (Journal Indexed in SCI)
- XII. **Effects of PH and temperature on growth and glycerol production kinetics of two indigenous wine strains of *Saccharomyces cerevisiae* from Turkey**  
KARASU YALÇIN S., ÖZBAŞ Z. Y.  
BRAZILIAN JOURNAL OF MICROBIOLOGY, vol.39, no.2, pp.325-332, 2008 (Journal Indexed in SCI)
- XIII. **Production of glycerol by two endogenic wine yeast strains at different inoculum size**  
Yalcin S. K. , Ozbas Z. Y.  
FOOD TECHNOLOGY AND BIOTECHNOLOGY, vol.44, no.4, pp.525-529, 2006 (Journal Indexed in SCI)
- XIV. **Effects of irradiation, antimicrobial agents and modified-atmosphere packaging on histamine production by *Morganella morganii* in mackerel fillets**  
AYTAC S., OZBAS Z. Y. , Vural H.  
ARCHIV FUR LEBENSMITTELHYGIENE, vol.51, no.1, pp.28-30, 2000 (Journal Indexed in SCI)
- XV. **Survey on chemical and microbiological quality of frankfurter-type sausages retailed in Ankara: The incidence of *Yersinia enterocolitica***  
Vural H., AYTAC S., OZBAS Z. Y.  
FLEISCHWIRTSCHAFT, vol.76, no.11, pp.1170-1169, 1996 (Journal Indexed in SCI)
- XVI. **Combined effect of gamma-irradiation and conventional cooking on *Aeromonas hydrophila* in meatball**  
OZBAS Z. Y. , Vural H., AYTAC S.  
ZEITSCHRIFT FUR LEBENSMITTEL-UNTERSUCHUNG UND-FORSCHUNG, vol.202, no.1, pp.60-62, 1996 (Journal Indexed in SCI)
- XVII. **Effects of modified atmosphere and vacuum packaging on the growth of spoilage and inoculated pathogenic bacteria on fresh poultry**  
OZBAS Z. Y. , Vural H., AYTAC S.  
ZEITSCHRIFT FUR LEBENSMITTEL-UNTERSUCHUNG UND-FORSCHUNG, vol.203, no.4, pp.326-332, 1996 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **ENZYMATIC CHARACTERIZATION OF YEAST STRAINS ORIGINATED FROM TRADITIONAL MIHALIC CHEESE**  
KARASU YALÇIN S., Senses-Ergul S., ÖZBAŞ Z. Y.  
JOURNAL OF MICROBIOLOGY BIOTECHNOLOGY AND FOOD SCIENCES, vol.6, no.5, pp.1152-1156, 2017 (Journal Indexed in ESCI)

## 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  $\beta$ -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

## Supported Projects

ÖZBAŞ Z. Y., KARASU-YALÇIN S., ERYAŞAR K., BOZDEMİR M. T., MIDIK F., Project Supported by Higher Education Institutions, Rhodotorula cinsine ait bazı maya türlerinin beta-karoten üretimlerinin incelenmesi, 2016 - 2018

ÖZBAŞ Z. Y. , Kirişciođlu B., Project Supported by Higher Education Institutions, Yöresel Ekşi Hamurlardan *Saccharomyces cerevisiae* Suşlarının İzolasyonu Tanımlanması ve Multifonksiyonel Özelliklerinin Belirlenerek Endüstriyel Öneme Sahip Suşların Saptanması, 2015 - 2018

ÖZBAŞ Z. Y. , KARA G. N. , BOZDEMİR M. T. , Project Supported by Higher Education Institutions, *Aureobasidium pullulans* ile pullulan üretimine etki eden çeşitli parametrelerin incelenmesi, 2015 - 2017

ÖZBAŞ Z. Y. , Project Supported by Higher Education Institutions, Farklı minerallerin *Yarrowia lipolytica* nın üreme ve sitrik asit üretimi üzerine etkileri, 2015 - 2015

## Citations

Total Citations (WOS):123

h-index (WOS):7