

## Asst. Prof. ASUMAN KARAKAŞ

### Personal Information

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### International Researcher IDs

ORCID: 0000-0003-3268-9490

ScopusID: 6506180901

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### Education Information

Doctorate, University of East Anglia, Institute of Food Research, BBSRC, United Kingdom 1996 - 2000

Postgraduate, University of East Anglia, School of Biological Sciences, United Kingdom 1995 - 1996

Undergraduate, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, Biyoloji Bölümü, Turkey 1987 - 1991

### Foreign Languages

English, C2 Mastery

### Dissertations

Doctorate, Functional Analysis of NisB in Nisin Biosynthesis, University of East Anglia, Institute Of Food Research, Bbsrc, 2000

Postgraduate, The use of the polymerase chain reaction to detect bacterial genes encoding membrane-bound and periplasmic nitrate reductases, University of East Anglia, School Of Biological Sciences, 1996

### Research Areas

Life Sciences, Biochemistry, Biotechnology, Microbiology, Molecular Biology and Genetics, Natural Sciences

### Academic Titles / Tasks

Assistant Professor, Bursa Uludağ University, YENİŞEHİR İBRAHİM ORHAN MYO, Gıda İşleme Bölümü, 2003 - Continues

Assistant Professor, Celâl Bayar Üniversitesi, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, 2002 - 2003

Lecturer PhD, Celâl Bayar Üniversitesi, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, 2001 - 2002

Research Assistant, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, BİYOLOJİ, 1992 - 1994

### Academic and Administrative Experience

Bursa Uludağ University, Yenişehir İbrahim Orhan Meslek Yüksekokulu, 2015 - Continues

Bursa Uludağ University, Yenişehir İbrahim Orhan Meslek Yüksekokulu, 2010 - Continues

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

- I. **ISOLATION, IDENTIFICATION AND TECHNOLOGICAL PROPERTIES OF LACTIC ACID BACTERIA FROM RAW COW MILK**  
Karakas-Sen A., KARAKAŞ E.  
BIOSCIENCE JOURNAL, vol.34, no.2, pp.985-999, 2018 (SCI-Expanded)
- II. **Cloning and Overexpression of the als, pflA, and adhB Genes in Streptococcus thermophilus and Their Effects on Metabolite Formation**  
AKYOL İ., Ozcelik F. G., Karakas-Sen A., ÖZKÖSE E., GEZGİNÇ Y., EKİNCİ M. S.  
MOLECULAR BIOTECHNOLOGY, vol.57, no.10, pp.923-930, 2015 (SCI-Expanded)
- III. **Heterologous expression and purification of the dehydratase NisB involved in the biosynthesis of lantibiotic nisin**  
Karakas-Sen A., Ridout M. J., Narbad A.  
ANNALS OF MICROBIOLOGY, vol.62, no.3, pp.1099-1107, 2012 (SCI-Expanded)
- IV. **HETEROLOGOUS EXPRESSION AND PURIFICATION OF NisA, THE PRECURSOR PEPTIDE OF LANTIBIOTIC Nisin FROM LACTOCOCCUS LACTIS**  
Karakas-Sen A., Narbad A.  
ACTA BIOLOGICA HUNGARICA, vol.63, no.2, pp.301-310, 2012 (SCI-Expanded)
- V. **Expression of dar Gene in Lactic Acid Bacteria and Effect on Metabolite Formation in Feta-Type Cheese Quality**  
Karakas-Sen A., AKYOL İ.  
FOOD BIOTECHNOLOGY, vol.26, no.1, pp.45-57, 2012 (SCI-Expanded)
- VI. **Genotoxic Effect of Epirubicin in Mouse Bone Marrow in vivo**  
Sen A., KARAKAŞ E., Bilaloglu R.  
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION C-A JOURNAL OF BIOSCIENCES, vol.65, pp.211-217, 2010 (SCI-Expanded)
- VII. **Regulation of the acid inducible rcfB promoter in Lactococcus lactis subsp lactis**  
AKYOL İ., ÇÖMLEKÇİOĞLU U., KARAKAŞ A., Serdaroglu K., EKİNCİ M. S., ÖZKÖSE E.  
ANNALS OF MICROBIOLOGY, vol.58, no.2, pp.269-273, 2008 (SCI-Expanded)
- VIII. **Detection of genes for membrane-bound nitrate reductase in nitrate-respiring bacteria and in community DNA**  
Gregory L., Karakas-Sen A., Richardson D., Spiro S.  
FEMS MICROBIOLOGY LETTERS, vol.183, no.2, pp.275-279, 2000 (SCI-Expanded)
- IX. **Detection of genes for periplasmic nitrate reductase in nitrate respiring bacteria and in community DNA**  
Flanagan D., Gregory L., Carter J., Karakas-Sen A., Richardson D., Spiro S.  
FEMS MICROBIOLOGY LETTERS, vol.177, no.2, pp.263-270, 1999 (SCI-Expanded)
- X. **Post-translational modification of nisin - The involvement of NisB in the dehydration process**  
Sen A., Narbad A., Horn N., Dodd H., Parr A., Colquhoun I., Gasson M.  
EUROPEAN JOURNAL OF BIOCHEMISTRY, vol.261, no.2, pp.524-532, 1999 (SCI-Expanded)

## Metrics

Publication: 10

Citation (WoS): 221

Citation (Scopus): 218

H-Index (WoS): 5

H-Index (Scopus): 6

## Scholarships

Yurtdışı (İngiltere) Yüksek Lisans ve Doktora Bursu, Ministry of Education, 1994 - 2000

## Awards

Narbad A., Karakas-Sen A., Horn N., Dodd H. M., Gasson M. J., Poster birincilik ödülü, Third International Lantibiotics Conference, April 1998

Karakaş (Şen) A., 1990-1991 öğretim yılında Uludağ Üniversitesi, Fen-Edebiyat Fakültesi, Biyoloji Bölümünden birincilik derecesi ile mezuniyet, Uludağ Üniversitesi Rektörlüğü, June 1991