

Prof. Pervin Başaran Akocak

Personal Information

Mobile Phone: [+90 542 431 0413](tel:+905424310413)

Email: basaranakocakp@itu.edu.tr

Web: <https://avesis.itu.edu.tr/basaranakocakp>

International Researcher IDs

ORCID: 0000-0002-9969-6196

ScopusID: 6602526499

Yoksis Researcher ID: 102500

Research Areas

Technical Sciences, Food Engineering, Food Technology, Food Biotechnology

Academic Titles / Tasks

Professor, Istanbul Technical University, Kimya-Metalurji, Gıda Mühendisliği, 2017 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Inhibition effect of belzalkonium chloride treatment on growth of common food contaminating fungal species**
Basaran P.
Journal of Food Science and Technology, vol.48, no.4, pp.515-519, 2011 (SCI-Expanded)
- II. **Fruit quality attributes of blackberry (Rubus sanctus) mutants obtained by 60Co gamma irradiation**
Basaran P., Kepenek K.
Biotechnology and Bioprocess Engineering, vol.16, no.3, pp.587-592, 2011 (SCI-Expanded)
- III. **Antifungal effect of acids and surface active compounds for post-harvest control of aspergillus parasiticus growth on hazelnut**
Basaran P.
Journal of Food Processing and Preservation, vol.35, no.2, pp.236-246, 2011 (SCI-Expanded)
- IV. **Spectroscopic detection of pharmaceutical compounds from an aflatoxigenic strain of Aspergillus parasiticus**
Basaran P., Demirbas R.
Microbiological Research, vol.165, no.6, pp.516-522, 2010 (SCI-Expanded)
- V. **Dielectric properties of chicken and fish muscle treated with microbial transglutaminase**
Basaran P., Basaran-Akgul N., Rasco B.
Food Chemistry, vol.120, no.2, pp.361-370, 2010 (SCI-Expanded)
- VI. **High pressure processing inactivation of listeria innocua in minced trout (oncorhynchus mykiss)**
Basaran-Akgul N., Mousavi-Hesary M., Basaran P., Shin J., Swanson B., Rasco B.
Journal of Food Processing and Preservation, vol.34, no.SUPPL. 1, pp.191-206, 2010 (SCI-Expanded)
- VII. **Microwave irradiation of hazelnuts for the control of aflatoxin producing Aspergillus parasiticus**
Basaran P., Akhan Ü.

Innovative Food Science and Emerging Technologies, vol.11, no.1, pp.113-117, 2010 (SCI-Expanded)

- VIII. **Reduction of *Aspergillus parasiticus* on hazelnut surface by UV-C treatment**
Basaran P.
International Journal of Food Science and Technology, vol.44, no.9, pp.1857-1863, 2009 (SCI-Expanded)
- IX. **Occurrence of aflatoxins in various nuts commercialized in Turkey**
Basaran P., Ozcan M.
Journal of Food Safety, vol.29, no.1, pp.95-105, 2009 (SCI-Expanded)
- X. **Inactivation of different strains of *Escherichia coli* O157:H7 in various apple ciders treated with dimethyl dicarbonate (DMDC) and sulfur dioxide (SO₂) as an alternative method**
Basaran-Akgul N., Churey J., Basaran P., Worobo R.
Food Microbiology, vol.26, no.1, pp.8-15, 2009 (SCI-Expanded)
- XI. **Plant molecular farming: Opportunities and challenges**
Basaran P., Rodriguez-Cerezo E.
Critical Reviews in Biotechnology, vol.28, no.3, pp.153-172, 2008 (SCI-Expanded)
- XII. **Effect of temperature (-5 to 130°C) and fiber direction on the dielectric properties of beef *Semitenndinosus* at radio frequency and microwave frequencies**
Basaran-Akgul N., Basaran P., Rasco B.
Journal of Food Science, vol.73, no.6, 2008 (SCI-Expanded)
- XIII. **Decontamination of grains and legumes infected with *Aspergillus* spp. and *Penicillium* spp. by cold plasma treatment**
Selcuk M., ÖKSÜZ L., Basaran P.
Bioresource Technology, vol.99, no.11, pp.5104-5109, 2008 (SCI-Expanded)
- XIV. **Elimination of *Aspergillus parasiticus* from nut surface with low pressure cold plasma (LPCP) treatment**
Basaran P., Basaran-Akgul N., ÖKSÜZ L.
Food Microbiology, vol.25, no.4, pp.626-632, 2008 (SCI-Expanded)
- XV. **An assessment of emerging molecular farming activities based on patent analysis (2002-2006)**
Basaran P., Rodriguez-Cerezo E.
Biotechnology and Bioprocess Engineering, vol.13, no.3, pp.304-312, 2008 (SCI-Expanded)
- XVI. **Characterization of β -xylosidase enzyme from a *Pichia stipitis* mutant**
Basaran P., Ozcan M.
Bioresource Technology, vol.99, no.1, pp.38-43, 2008 (SCI-Expanded)
- XVII. **Elucidation of pectinolytic enzyme activities of a non-pathogenic watermelon pathogen mutant, *Fusarium oxysporum* f.sp. *niveum* M87**
Basaran P., ÖZCAN M., Denisov Y., Freeman S.
Australasian Plant Pathology, vol.36, no.2, pp.135-141, 2007 (SCI-Expanded)
- XVIII. **Contemporary approaches into obesity: Drugs and genes**
Basaran P., Basaran N., Altuntas I., Tamer M. N.
Critical Reviews in Food Science and Nutrition, vol.44, no.6, pp.419-424, 2004 (SCI-Expanded)
- XIX. **Therapeutic properties of herbs and spices used in cereal technology**
Basaran P., Espino N., Basaran N.
Cereal Foods World, vol.47, no.5, pp.175-177, 2002 (SCI-Expanded)
- XX. **Molecular differentiation of *Lactococcus lactis* subspecies *lactis* and *cremoris* strains by ribotyping and site specific-PCR**
Basaran P., Basaran N., Cakir I.
Current Microbiology, vol.42, no.1, pp.45-48, 2001 (SCI-Expanded)
- XXI. **Cloning and heterologous expression of xylanase from *Pichia stipitis* in *Escherichia coli***
Basaran P., Hang Y., Basaran N., Worobo R.
Journal of Applied Microbiology, vol.90, no.2, pp.248-255, 2001 (SCI-Expanded)
- XXII. **Mutations that affect *Agrobacterium vitis*-induced grape necrosis also alter its ability to cause a hypersensitive response on tobacco**

Herlache T., Zhang H., Ried C., Carle S., Zheng D., Basaran P., Thaker M., Burr A., Burr T.

Phytopathology, vol.91, no.10, pp.966-972, 2001 (SCI-Expanded)

XXIII. Isolation and characterization of Pichia stipitis mutants with enhanced xylanase activity

Basaran P., Basaran N., Hang Y.

World Journal of Microbiology and Biotechnology, vol.16, no.6, pp.545-550, 2000 (SCI-Expanded)

XXIV. Dissolution of xylose metabolism in Lactococcus lactis

Erlandson K., Park J., El Khal W., Kao H., Basaran P., Brydges S., Batt C.

Applied and Environmental Microbiology, vol.66, no.9, pp.3974-3980, 2000 (SCI-Expanded)

XXV. Purification and characterization of acetyl esterase from Candida guilliermondii

Basaran P., Hang Y.

Letters in Applied Microbiology, vol.30, no.2, pp.167-171, 2000 (SCI-Expanded)

XXVI. Traditional Foods of the Middle East

Basaran P.

Food Technology, vol.53, no.6, pp.60-66, 1999 (SCI-Expanded)

Books & Book Chapters

I. Non-Thermal Processing Technologies for the Fruit and Vegetable Industry

Başaran Akocak P.

CRC Press, Arizona, 2022

II. Kepenek K ve Basaran P The Application of Molecular Markers in Plant Biotechnology for Crop Improvement Biotechnology Application in Crops ed Ramdane Dris Science Publisher 2006

BAŞARAN AKOÇAK P.

SCIENCE PUBLISHER, 2006

Metrics

Publication: 44

Citation (Scopus): 946

H-Index (Scopus): 14

Non Academic Experience

Kumluca Antalya Sinerji Odağı Müdürü

Joint Research Center (AB Komisyonu- İspanya)

ARO (israil)