

Res. Asst. PhD BEYHAN GÜNAYDIN DAŞAN

Personal Information

Office Phone: [+90 312 297 7100](tel:+903122977100) Extension: 19

Email: beyhang@hacettepe.edu.tr

Web: <https://avesis.hacettepe.edu.tr/beyhan.gunaydin>

Address: Hacettepe Üniversitesi Gıda Mühendisliği Bölümü Beytepe Kampüsü Çankaya/Ankara

International Researcher IDs

ORCID: 0000-0003-3916-2819

Publons / Web Of Science ResearcherID: M-8932-2018

ScopusID: 56857513300

Yoksis Researcher ID: 104294

Education Information

Doctorate, Hacettepe University, Mühendislik Fakültesi, Gıda Mühendisliği Bölümü, Turkey 2009 - 2016

Postgraduate, Hacettepe University, Mühendislik Fakültesi, Gıda Mühendisliği Bölümü, Turkey 2007 - 2009

Undergraduate, Hacettepe University, Mühendislik Fakültesi, Gıda Mühendisliği Bölümü, Turkey 2003 - 2007

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Küf dekontaminasyonu için akışkan yatak atmosferik basınç plazma reaktörü tasarımı, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Gıda Mühendisliği (Dr), 2015

Research Areas

Food Engineering, Food Science, Food Microbiology, Food Hygiene and Sanitation, Food Technology, Food Processing (pasteurisation, sterilisation, refrigeration, lyophilisation, etc.), Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Hacettepe University, Mühendislik Fakültesi, Gıda Mühendisliği Bölümü, 2020 - Continues

Research Assistant, Hacettepe University, Mühendislik Fakültesi, Gıda Mühendisliği Bölümü, 2008 - 2020

Published journal articles indexed by SCI, SSCI, and AHCI

1. Effect of Sequential Treatment of Plasma Activated Water and Bacteriophage on Decontamination of Salmonella Typhimurium in Lettuce

Evran E., GÜNAYDIN DAŞAN B., Tayyarcan E. K., BOYACI İ. H.

Food and Bioprocess Technology, 2024 (SCI-Expanded)

- II. **A comparative study of single-needle and coaxial electrospun amyloid-like protein nanofibers to investigate hydrophilic drug release behavior**
Kabay G., Demirci C., Can G. K., Meydan A. E., GÜNAYDIN DAŞAN B., MUTLU M.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.114, pp.989-997, 2018 (SCI-Expanded)
- III. **Effect of Cold Atmospheric Plasma on Inactivation of Escherichia coli and Physicochemical Properties of Apple, Orange, Tomato Juices, and Sour Cherry Nectar**
GÜNAYDIN DAŞAN B., BOYACI İ. H.
FOOD AND BIOPROCESS TECHNOLOGY, vol.11, no.2, pp.334-343, 2018 (SCI-Expanded)
- IV. **Surface decontamination of eggshells by using non-thermal atmospheric plasma**
GÜNAYDIN DAŞAN B., Yildirim T., BOYACI İ. H.
INTERNATIONAL JOURNAL OF FOOD MICROBIOLOGY, vol.266, pp.267-273, 2018 (SCI-Expanded)
- V. **A New and Simple Approach for Decontamination of Food Contact Surfaces with Gliding Arc Discharge Atmospheric Non-Thermal Plasma**
GÜNAYDIN DAŞAN B., ÖNAL ULUSOY B., Pawlat J., Diatczyk J., Sen Y., MUTLU M.
FOOD AND BIOPROCESS TECHNOLOGY, vol.10, no.4, pp.650-661, 2017 (SCI-Expanded)
- VI. **Nonthermal plasma treatment of Aspergillus spp. spores on hazelnuts in an atmospheric pressure fluidized bed plasma system: Impact of process parameters and surveillance of the residual viability of spores**
GÜNAYDIN DAŞAN B., BOYACI İ. H., MUTLU M.
JOURNAL OF FOOD ENGINEERING, vol.196, pp.139-149, 2017 (SCI-Expanded)
- VII. **Inactivation of aflatoxigenic fungi (Aspergillus spp.) on granular food model, maize, in an atmospheric pressure fluidized bed plasma system**
GÜNAYDIN DAŞAN B., BOYACI İ. H., MUTLU M.
FOOD CONTROL, vol.70, pp.1-8, 2016 (SCI-Expanded)
- VIII. **Decontamination of Aspergillus flavus and Aspergillus parasiticus spores on hazelnuts via atmospheric pressure fluidized bed plasma reactor**
GÜNAYDIN DAŞAN B., MUTLU M., BOYACI İ. H.
INTERNATIONAL JOURNAL OF FOOD MICROBIOLOGY, vol.216, pp.50-59, 2016 (SCI-Expanded)
- IX. **A New Approach for the Electrochemical Detection of Phenolic Compounds. Part I: Modification of Graphite Surface by Plasma Polymerization Technique and Characterization by Raman Spectroscopy**
Gunaydin B., Sir N., KAVLAK S., GÜNER A., Mutlu M.
FOOD AND BIOPROCESS TECHNOLOGY, vol.3, no.3, pp.473-479, 2010 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **A New Approach for Food Decontamination: Atmospheric Plasma Processing**
Günaydın Daşan B., Mutlu M., Boyacı İ. H.
PITTCO Conference & EXPO, Louisiana, United States Of America, 8 - 12 March 2015, pp.1668
- II. **Surface Modification of Polystyrene Beads Using RF Atmospheric Pressure Plasma**
Ionita M., Günaydın Daşan B., Teodorescu M., Mutlu M., Mitu B., Dinescu G.
ISPC21- International Symposium on Plasma Chemistry, Cairns, Australia, 4 - 09 August 2013, pp.166
- III. **Preparation of Electrochemical Sensor by Plasma Polymerization Technique for Phenolic Compounds**
Günaydın Daşan B., Mutlu M.
ISPC-19 International Symposium on Plasma Chemistry, Bochum, Germany, 27 - 31 July 2009, pp.3715

Supported Projects

GÜNAYDIN DAŞAN B., Project Supported by Higher Education Institutions, Biyomateryallerin Termal Olmayan Proseslerine Yeni Bir Yaklaşım: Işıltılı Ark Boşalım Plazması, 2016 - 2016

GÜNAYDIN DAŞAN B., Project Supported by Higher Education Institutions, Gıda Dekontaminasyonuna Yeni Bir Yaklaşım: Atmosferik Plazma Prosesi, 2015 - 2015

Metrics

Publication: 12

Citation (WoS): 207

Citation (Scopus): 9

H-Index (WoS): 8

H-Index (Scopus): 1

Non Academic Experience

Hacettepe Üniversitesi