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Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Hacettepe Üniversitesi, Fen Bilimleri, Türkiye 1997 - 2001

Yabancı Diller

İngilizce, B2 Orta Üstü

Araştırma Alanları

Tarımsal Bilimler, Ziraat

Akademik Unvanlar / Görevler

Prof. Dr., Hacettepe Üniversitesi, Mühendislik Fakültesi, Gıda Mühendisliği Bölümü, 2009 - Devam Ediyor

Yönetilen Tezler

BOYACI İ. H., Yüzey plazmon rezonans temelli trombin biyosensörünün geliştirilmesi, Doktora, D.ATAMAN(Öğrenci), 2017

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- II. **Evaluation of long- and short-term storage conditions and efficiency of a novel microencapsulated Salmonella phage cocktail for controlling Salmonella in chicken meat**

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Food Science and Biotechnology, cilt.33, sa.2, ss.475-483, 2024 (SCI-Expanded)
- III. Optimization of concentration parameters for maximizing bacteriophage recovery value using response surface methodology: A case study on determining the optimal concentration parameters for *Erwinia amylovora* EA1T1.B3 phage
Guven K., Ekiz E., Evran E., Tayyarcan E. K., BOYACI İ. H.
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- IV. Effect of Sequential Treatment of Plasma Activated Water and Bacteriophage on Decontamination of *Salmonella Typhimurium* in Lettuce
Evran E., GÜNEYDIN DAŞAN B., Tayyarcan E. K., BOYACI İ. H.
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- V. Estimation of time since deposition of semen stain on different fabric types using ATR-FTIR spectroscopy and chemometrics
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- VI. Isolation, characterization, and application of bacteriophage cocktails for the biocontrol of *Pseudomonas fluorescens* group strains in whole and skimmed milk
Tayyarcan E. K., BOYACI İ. H.
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- VII. Recent advances in phage therapy for pharmaceutical applications
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- VIII. A simple gradient centrifugation method for bacteria detection in skim milk
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- IX. Improving microbial quality of wheat flour using ethanol-water mixture as a tempering solution
Ari Akin P., Tayyarcan E. K., Evran S., BOYACI İ. H.
Journal of Cereal Science, cilt.111, 2023 (SCI-Expanded)
- X. Overcoming obstacles: Analysis of blood and semen stains washed with different chemicals with ATR-FTIR
YILDIRIM M. Ş., AKÇAN R., ARAS S., TAMER U., EVRAN E., TAŞTEKİN B., AYDOGAN C., BOYACI İ. H.
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- XI. Principles, Methods, and Real-Time Applications of Bacteriophage-Based Pathogen Detection
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- XII. Rapid detection of common wheat flour addition to durum wheat flour and pasta using spectroscopic methods and chemometrics
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- XIII. Cytotoxic, apoptotic and necrotic effects of starch coated copper nanoparticles on Capan 1 pancreatic cancer cells
İlbasmis-Tamer S., Turk M., Evran Ş., BOYACI İ. H., Ciftci H., TAMER U.
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- XIV. An ECL sensor combined with a paper electrode for the determination of phenylalanine
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- XV. Laser-induced breakdown spectroscopy as a reliable analytical method for classifying commercial cheese samples based on their cooking/ stretching process
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- XVII. **Escherichia coli Enumeration in a Capillary-Driven Microfluidic Chip with SERS**
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- XVIII. **Sorghum Flour Application in Bread: Technological Challenges and Opportunities**
Ari Akin P., Demirkesen I., Bean S. R., Aramouni F., BOYACI İ. H.
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- XIX. **The use of bacteriophage-based edible coatings for the biocontrol of Salmonella in strawberries**
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- XX. **Identification of meat species in processed meat products by using protein based laser induced breakdown spectroscopy assay**
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- XXI. **Rapid discrimination of authenticity in wheat flour and pasta samples using LIBS**
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- XXII. **Applications of Bacteriophage Cocktails to Reduce Salmonella Contamination in Poultry Farms**
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- XXIII. **Surface-enhanced Raman scattering-based detection of plasmin activity by specific peptide substrate**
Yazgan N. N., Bulat T., Topcu A., Dudak F. C., Boyaci İ. H., Tamer U.
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- XXIV. **The use of bacteriophage cocktails to reduce Salmonella Enteritidis in hummus**
Tayyarcan E. K., Evran S., Akin P. A., SOYKUT E. A., BOYACI İ. H.
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- XXV. **Investigation of phage and molasses interactions for the biocontrol of E. coli O157:H7**
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- XXVI. **Replacement of antibodies with bacteriophages in lateral flow assay of Salmonella Enteritidis**
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- XXVII. **A new and facile route to prepare gold nanoparticle clusters on anodic aluminium oxide as a SERS substrate**
Tezcan T., BOYACI İ. H.
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- XXVIII. **Use of tea fibers as a source of dietary fiber in wheat flour and bread**
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- XXX. **Disposable electrochemical flow cell with paper-based electrode assemble**
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- XXXI. **Analysis of corn and sorghum flour mixtures using laser-induced breakdown spectroscopy**
Akin P. A., Sezer B., Bean S. R., Peiris K., Tilley M., Apaydin H., BOYACI İ. H.
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- XXXIII. **Determination of milk fat authenticity in ultra-filtered white cheese by using Raman spectroscopy with multivariate data analysis**
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- XXXIV. **Determination of green pea and spinach adulteration in pistachio nuts using NIR spectroscopy**
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- XXXV. **Dual Responsive Disposable Electrode for the Enumeration of Escherichia coli in Whole Blood**
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- XXXVI. **Discrimination of milk species using Raman spectroscopy coupled with partial least squares discriminant analysis in raw and pasteurized milk**
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- XXXVII. **Multiplex enumeration of Escherichia coli and Salmonella enteritidis in a passive capillary microfluidic chip**
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- XXXVIII. **Nanoparticle-assisted pyrrolidonyl arylamidase assay for a culture-free Group A Streptococcus pyogenes detection with image analysis**
Eryilmaz M., TAMER U., BOYACI İ. H.
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- XXXIX. **Utilization potential of Glutograph in wheat breeding programs and the influence of genotype and environment on bread wheat quality**
Evlice A. K., Pehlivan A., Sanal T., Salantur A., Kilic G., Dugan G., BOYACI İ. H., KÖKSEL H.
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- XL. **Development of a nanoparticle-based gradient method for simple and fast quantification of bacteria-nanoparticle conjugates**
Rodoplü D., BOYACI İ. H., TAMER U., SULUDERE Z.
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- XLI. **Weathering performance of waterborne acrylic coating systems on flat-pressed wood-plastic composites**
DURMAZ S., ÖZGENÇ Ö., AVCI E., BOYACI İ. H.
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- XLII. **Multi-elemental analysis of flour types and breads by using laser induced breakdown spectroscopy**
Akin P. A., Sezer B., Sanal T., Apaydin H., KÖKSEL H., BOYACI İ. H.
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- XLIII. **Evaluation of the weathering resistance of waterborne acrylic- and alkyd-based coatings containing HALS, UV absorber, and bark extracts on wood surfaces**
ÖZGENÇ Ö., DURMAZ S., ŞAHİN SEVGİLİ S., BOYACI İ. H.
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- XLIV. **Development of synchronous fluorescence method for identification of cow, goat, ewe and buffalo milk species**
Genis D. O., Sezer B., Bilge G., Durna S., BOYACI İ. H.
FOOD CONTROL, cilt.108, 2020 (SCI-Expanded)
- XLV. **Development of a green fluorescence protein (GFP)-based bioassay for detection of antibiotics and its application in milk**
KARAÇAĞLAR N. N., TOPCU A., DUDAK ŞEKER F. C., BOYACI İ. H.
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- XLVI. **Determination of yolk:white ratio of egg using SDS-PAGE**
Uysal R. S., Acar-Soykut E., BOYACI İ. H.
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- XLVII. **Immunomagnetic separation and Listeria monocytogenes detection with surface-enhanced Raman scattering**
Akcinar H. Y., ASLIM B., TORUL H., GÜVEN B., Zengin A., SULUDERE Z., BOYACI İ. H., TAMER U.
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- XLVIII. **Laser induced breakdown spectroscopy based diffusion modelling in cheese matrix**
Sezer B., Bilge G., ESELLER K. E., Berberoglu H., BOYACI İ. H.
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- XLIX. **Mixed monolayer decorated SPR sensing surface for thrombin detection**
Sadik D. A., BOYACI İ. H., MUTLU M.
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- L. **Authentication of liquid egg composition using ATR-FTIR and NIR spectroscopy in combination with PCA**
Uysal R. S., BOYACI İ. H.
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- LI. **Microencapsulation of phages to analyze their demeanor in physiological conditions**
SOYKUT E. A., Tayyarcan E. K., Evran S., BOYACI İ. H., ÇAKIR İ., Khaaladi M., Fattouch S.
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- LII. **Determination of pasteurization treatment of liquid whole egg by measuring physical and rheological properties of cake cream**
Uysal R. S., BOYACI İ. H., ŞÜMNÜ S. G.
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- LIII. **Investigation of different interactions between *Staphylococcus aureus* phages and pomegranate peel, grape seed, and black cumin extracts**
Tayyarcan E. K., SOYKUT E. A., Yilmaz O. M., BOYACI İ. H., Khaaladi M., Fattouch S.
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- LIV. **Fast fluorometric enumeration of *E. coli* using passive chip**
Kasap E. N., Dogan U., Cogun F., YILDIRIM E., BOYACI İ. H., ÇETİN D., SULUDERE Z., TAMER U., ERTAŞ N.
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- LV. **The coupling of immunomagnetic enrichment of bacteria with paper-based platform**
İLHAN H., GÜVEN B., Dogan U., Torul H., Evran S., Cetin D., Suludere Z., SAĞLAM N., BOYACI İ. H., Tamer U.
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- LVI. **Identification of cow, buffalo, goat and ewe milk species in fermented dairy products using synchronous fluorescence spectroscopy**
Genis D. O., Bilge G., Sezer B., Durna S., BOYACI İ. H.
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- LVII. **SERS-based rapid assay for sensitive detection of Group A Streptococcus by evaluation of the swab sampling technique**
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- LVIII. **Determination of liquid egg composition using attenuated total reflectance Fourier transform infrared spectroscopy and chemometrics**
Uysal R. S., Yilmaz O. M., BOYACI İ. H.
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- LIX. **Effects of heat-treated liquid whole egg on cake batter rheology and the quality of baked cake**
Uysal R. S., ŞÜMNÜ S. G., Boyaci I. H.
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- LX. **Detection of Pistacia vera adulteration by using laser induced breakdown spectroscopy**
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- JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE, cilt.99, sa.5, ss.2236-2242, 2019 (SCI-Expanded)
- LXI. **Multiparametric analysis of cheese using single spectrum of laser-induced breakdown spectroscopy**
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- LXII. **Raman spectroscopy coupled with chemometric methods for the discrimination of foreign fats and oils in cream and yogurt**
Karacaglar N. N., BULAT T., BOYACI İ. H., TOPCU A.
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- LXIII. **Coffee arabica adulteration: Detection of wheat, corn and chickpea**
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- LXIV. **A Raman-spectroscopy-based approach for detection and discrimination of Streptococcus thermophilus and Lactobacillus bulgaricus phages at low titer in raw milk**
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- LXV. **Mixed-monolayer of N-hydroxysuccinimide-terminated cross-linker and short alkanethiol to improve the efficiency of biomolecule binding for biosensing**
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- LXVII. **Identification of milk fraud using laser-induced breakdown spectroscopy (LIBS)**
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- LXVIII. **Chemometric Evaluation of Discrimination of Aromatic Plants by Using NIRS, LIBS**
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- LXIX. **Characterization of fossil Sequoioxylon wood using analytical instrumental techniques**
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- LXX. **Alkaline phosphatase labeled SERS active sandwich immunoassay for detection of Escherichia coli**
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- LXXVII. **Effect of Cold Atmospheric Plasma on Inactivation of Escherichia coli and Physicochemical Properties of Apple, Orange, Tomato Juices, and Sour Cherry Nectar**
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- LXXXIV. **Synchronous fluorescence spectroscopy for determination of tahini adulteration**
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- LXXXV. **Rapid quantification of total protein with surface-enhanced Raman spectroscopy using o-phthalaldehyde**
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- LXXXIX. **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**
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- XCI. Surface-enhanced Raman spectroscopy combined with gold nanorods for the simultaneous quantification of nitramine energetic materials
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Metricler

Yayın: 210
Atıf (WoS): 3032
Atıf (Scopus): 1520
H-İndeks (WoS): 31
H-İndeks (Scopus): 20

Akademi Dışı Deneyim

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