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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

BOYACI İ. H., Gıda kaynaklı patojen bakterilerin biyokontrolünde faj terapi ve fitoterapinin birlikte kullanımı, Yüksek Lisans, E.KÜBRA(Öğrenci), 2017

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- I. **Effect of wax separation on macro- and micro-elements, phenolic compounds, pesticide residues, and toxic elements in propolis**
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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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- 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**
Güven K., Ekiz E., Evran E., Tayyarcı 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., GÜNAYDIN DAŞAN B., Tayyarcı 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**
Tastekin B., AKÇAN R., Evran E., TAMER U., ZENGİN H. Y., Yildirim M. S., BOYACI İ. H.
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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**
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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**
Rodoplu Solovchuk D., BOYACI İ. H., TAMER U., ŞAHİNER N., ÇETİN D.
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- IX. **Improving microbial quality of wheat flour using ethanol-water mixture as a tempering solution**
Ari Akin P., Tayyarcı E. K., Evran S., BOYACI İ. H.
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- 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., AYDOĞAN C., BOYACI İ. H.
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- XI. **Principles, Methods, and Real-Time Applications of Bacteriophage-Based Pathogen Detection**
Panhwar S., Keerio H. A., İlhan H., BOYACI İ. H., TAMER U.
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- XII. **Rapid detection of common wheat flour addition to durum wheat flour and pasta using spectroscopic methods and chemometrics**
Unuvar A., BOYACI İ. H., Yazar S., Koksıl H.
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- XIII. **Cytotoxic, apoptotic and necrotic effects of starch coated copper nanoparticles on Capan 1 pancreatic cancer cells**
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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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- XVI. **Paper-based electrochemiluminescence gas sensor**

- TORUL H., Durak M., BOYACI İ. H., TAMER U.
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- XXVII. **Escherichia coli Enumeration in a Capillary-Driven Microfluidic Chip with SERS**
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- XXVIII. **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**
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- XXIV. **The use of bacteriophage cocktails to reduce Salmonella Enteritidis in hummus**
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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**
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- XXVIII. **Use of tea fibers as a source of dietary fiber in wheat flour and bread**
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- XXIX. **Comparison of different calibration techniques of laser induced breakdown spectroscopy in bakery products: on NaCl measurement**
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- XXX. **Disposable electrochemical flow cell with paper-based electrode assemble**
TORUL H., GÜMÜŞTAŞ M., Urguplu B., UZUNOĞLU A., BOYACI İ. H., ÇELİKKAN H., TAMER U.
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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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- Sezer B., Bjelak A., VELİOĞLU H. M., 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**
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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**
Rodoplu D., BOYACI İ. H., TAMER U., SULUDERE Z.
JOURNAL OF NANOPARTICLE RESEARCH, cilt.22, sa.5, 2020 (SCI-Expanded)
- XLI. **Weathering performance of waterborne acrylic coating systems on flat-pressed wood-plastic composites**
DURMAZ S., ÖZGENÇ Ö., AVCI E., BOYACI İ. H.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.137, sa.14, 2020 (SCI-Expanded)
- 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.
JOURNAL OF CEREAL SCIENCE, cilt.92, 2020 (SCI-Expanded)
- 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.
JOURNAL OF FOOD ENGINEERING, cilt.263, ss.320-325, 2019 (SCI-Expanded)
- 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.
JOURNAL OF FOOD PROCESS ENGINEERING, cilt.42, sa.6, 2019 (SCI-Expanded)
- 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.
JOURNAL OF MICROBIOLOGICAL METHODS, cilt.164, 2019 (SCI-Expanded)
- LV. The coupling of immunomagnetic enrichment of bacteria with paper-based platform**
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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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ANALYST, cilt.144, sa.11, ss.3573-3580, 2019 (SCI-Expanded)
- 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**
AYVAZ H., Sezer B., Dogan M. A., Bilge G., Atan M., BOYACI İ. H.
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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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- 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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- LXVIII. **Chemometric Evaluation of Discrimination of Aromatic Plants by Using NIRS, LIBS**
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- LXX. **Alkaline phosphatase labeled SERS active sandwich immunoassay for detection of Escherichia coli**
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- LXXIII. **Quantification and spatial distribution of salicylic acid in film tablets using FT-Raman mapping with multivariate curve resolution**
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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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- XC. **Effects of heat treatment parameters on liquid whole egg proteins**
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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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- XCIII. **The comparison of antioxidant capacity and cytotoxic, anticarcinogenic, and genotoxic effects of Fe@Au nanosphere magnetic nanoparticles**
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- XCVII. **Surface-enhanced Raman probe for rapid nanoextraction and detection of erythropoietin in urine**
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- CXII. **Spectroscopic detection of aspartame in soft drinks by surface-enhanced Raman spectroscopy**
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- I. **RAPID IDENTIFICATION OF SOME SWEETENERS AND SUGARS BY ATTENUATED TOTAL REFLECTANCE-FOURIER TRANSFORM INFRARED (ATR-FTIR), NEAR-INFRARED (NIR) AND RAMAN SPECTROSCOPY**
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Metrikler

Yayın: 210

Atıf (WoS): 3032

Atıf (Scopus): 1520

H-İndeks (WoS): 31

H-İndeks (Scopus): 20

Akademi Dışı Deneyim

Hacettepe Üniversitesi

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