

Prof. İSMAİL HAKKI BOYACI

Personal Information

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Education Information

Doctorate, Hacettepe Üniversitesi, Fen Bilimleri , Turkey 1997 - 2001

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Agricultural Sciences, Agriculture

Academic Titles / Tasks

Professor, Hacettepe Üniversitesi, Mühendislik Fakültesi, Gıda Mühendisliği Bölümü, 2009 - Continues

Advising Theses

BOYACI İ. H. , Determination of liquid egg quality and effects of heat treatment on egg proteins, Doctorate, R.SELİN(Student), 2017

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

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

BOYACI İ. H. , Farklı kaynaklardan elde edilen esansiyel yağlar ve baharatlarda bazı kalite özelliklerinin spektrometrik yöntemlerle tespiti, Postgraduate, E.ERCİOĞLU(Student), 2017

BOYACI İ. H. , Buğday fraksiyonlarında lazer indüklü plazma spektroskopisi ile kül ve protein analizi, Postgraduate, B.SEZER(Student), 2016

BOYACI İ. H. , Gıdaların elementel analizlerinde lazer indüklü plazma spektroskopisi, Doctorate, G.BİLGE(Student), 2016

BOYACI İ. H. , Yüzeyde güçlendirilmiş Raman spektroskopisi kullanılarak yüksek hassasiyette DNA analizine yönelik dönen çember amplifikasyonu yönteminin geliştirilmesi, Doctorate, B.GÜVEN(Student), 2016

BOYACI İ. H. , SAĞLAM N., Kloroplast ve Raman spektroskopisi kullanılarak herbisit tayini, Postgraduate, H.ŞEBNEM(Student), 2016

BOYACI İ. H. , Küf dekontaminasyonu için akışkan yatak atmosferik basınç plazma reaktörü tasarımı, Doctorate, B.GÜNAYDIN(Student), 2015

BOYACI İ. H. , Atmosferik basınç plazma uygulamasının gıdaların dekontaminasyonu ve detoksifikasyonu amacıyla kullanımı, Doctorate, Y.ŞEN(Student), 2015

BOYACI İ. H. , Yüzeyde güçlendirilmiş raman spektroskopisi ile DNA hassas tayini ve nanopartiküller arası mesafelerin optimizasyonu, Postgraduate, G.GÖRKEM(Student), 2014

BOYACI İ. H. , Sert şekerlemelerde kontrolsüz inversiyon ve soğuk erime problemlerinin araştırılması ve çözüm önerileri, Postgraduate, K.İLASLAN(Student), 2014

BOYACI İ. H. , Yüzeyde güçlendirilmiş Raman spektroskopisi tekniği kullanılarak hedef DNA dizi tayini, Postgraduate, M.ŞÖFÖROĞLU(Student), 2013

BOYACI İ. H. , Yüzeyde güçlendirilmiş Raman spektroskopisi kullanılarak ağır metal tayinine yönelik yeni sistemlerin geliştirilmesi, Postgraduate, H.TÜMAY(Student), 2013

BOYACI İ. H. , Biyosensör uygulamaları için peptid-ligandların geliştirilmesi, Doctorate, F.CEYDA(Student), 2012

BOYACI İ. H. , Sıvı besiyerinde *Monascus purpureus*'un kırmızı pigment üretiminin yapay sinir ağları kullanılarak optimizasyonu ve pigmentin stabilitesinin belirlenmesi, Doctorate, S.DURAKLI(Student), 2012

BOYACI İ. H. , Alkollü içeceklerde bulunan etanol ve metanolün raman spektroskopisi ile nicel tayini, Postgraduate, H.EFE(Student), 2012

BOYACI İ. H. , Yüksek verimli immünomanyetik ayırım için manyetik nanopartiküllerin geliştirilmesi, Postgraduate, A.GÖKTUĞ(Student), 2012

BOYACI İ. H. , Gıda örneklerinde ve sularda *Escherichia coli* tayinine yönelik biyosensör geliştirilmesi, Postgraduate, Ö.TORUN(Student), 2011

BOYACI İ. H. , Bakliyalarda fiziksel kalite kriterlerinin belirlenmesi amacıyla görüntü analiz sistemi geliştirilmesi, Postgraduate, Y.SERHAD(Student), 2011

TOPCU A., BOYACI İ. H. , Yüzeyde güçlendirilmiş raman spektroskopisi (YGRS) tekniği ile proteaz aktivitesi tayini, Postgraduate, N.NUR(Student), 2011

BOYACI İ. H. , Yarı-iletken nano parçacıklar kullanılarak fotoelektrokimyasal dna biyosensörlerinin hazırlanması, Doctorate, D.BAŞ(Student), 2011

BOYACI İ. H. , Farklı yöntemlerle immobilize edilmiş β -galaktosidazın galaktooligosakkarit sentezi üzerine etkisi, Doctorate, U.AYKUT(Student), 2011

BOYACI İ. H. , Gıda uygulamalarına yönelik yüzeyde güçlendirilmiş raman spektroskopisini temel alan biyoanaliz yöntemlerinin geliştirilmesi, Postgraduate, B.GÜVEN(Student), 2011

BOYACI İ. H. , Görüntü işleme teknolojisi ve yapay sinir ağlarının gıda ürünlerinde bazı kalite özelliklerinin belirlenmesinde kullanılması, Doctorate, H.MURAT(Student), 2010

BOYACI İ. H. , Investigation of bioprocess parameters for glucose isomerase production by *Bacillus thermoantarcticus*, Postgraduate, I.HAYKIR(Student), 2007

BOYACI İ. H. , Yapay sinir ağı tasarımı: Eğitim sürecinin optimizasyonu ve gıda mühendisliği alanında uygulanması, Postgraduate, K.KILIÇ(Student), 2007

BOYACI İ. H. , Sulardaki *Escherichia coli*'nin tayini için paramanyetik küreler kullanarak immunolojik analiz yönteminin geliştirilmesi, Postgraduate, F.CEYDA(Student), 2006

BOYACI İ. H. , Enzimatik reaksiyonlara ait kinetik katsayıların cevap yüzeyi metodu ve yapay sinir ağları kullanılarak saptanması, Postgraduate, D.BAŞ(Student), 2005

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Applications of Bacteriophage Cocktails to Reduce Salmonella Contamination in Poultry Farms**
Evrans S., Tayyarcı E. K. , Acar-Soykut E., BOYACI İ. H.
FOOD AND ENVIRONMENTAL VIROLOGY, 2021 (Journal Indexed in SCI)
- II. **Replacement of antibodies with bacteriophages in lateral flow assay of Salmonella Enteritidis**
İLHAN H., Tayyarcı E. K. , ÇAĞLAYAN M. G. , BOYACI İ. H. , SAĞLAM N., TAMER U.
BIOSENSORS & BIOELECTRONICS, vol.189, 2021 (Journal Indexed in SCI)
- III. **A new and facile route to prepare gold nanoparticle clusters on anodic aluminium oxide as a SERS substrate**
Tezcan T., BOYACI İ. H.
TALANTA, vol.232, 2021 (Journal Indexed in SCI)
- IV. **Comparison of different calibration techniques of laser induced breakdown spectroscopy in bakery products: on NaCl measurement**

Bilge G., ESELLER K. E. , Berberoglu H., Sezer B., TAMER U., BOYACI İ. H.

JOURNAL OF THE EUROPEAN OPTICAL SOCIETY-RAPID PUBLICATIONS, vol.17, no.1, 2021 (Journal Indexed in SCI)

- V. **Disposable electrochemical flow cell with paper-based electrode assemble**
TORUL H., GÜMÜŞTAŞ M., Urguplu B., UZUNOĞLU A., BOYACI İ. H. , ÇELİKKAN H., TAMER U.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol.891, 2021 (Journal Indexed in SCI)
- VI. **Use of tea fibers as a source of dietary fiber in wheat flour and bread**
Ari Akin P., Tayfun K. E. , TAMER U., BOYACI İ. H.
CEREAL CHEMISTRY, 2021 (Journal Indexed in SCI)
- VII. **Protein based evaluation of meat species by using laser induced breakdown spectroscopy**
Sezer B., Bjelak A., VELİOĞLU H. M. , BOYACI İ. H.
MEAT SCIENCE, vol.172, 2021 (Journal Indexed in SCI)
- VIII. **Determination of green pea and spinach adulteration in pistachio nuts using NIR spectroscopy**
GENİŞ H. E. , Durna S., BOYACI İ. H.
LWT-FOOD SCIENCE AND TECHNOLOGY, vol.136, 2021 (Journal Indexed in SCI)
- IX. **Determination of milk fat authenticity in ultra-filtered white cheese by using Raman spectroscopy with multivariate data analysis**
Genis D. O. , Sezer B., Durna S., BOYACI İ. H.
FOOD CHEMISTRY, vol.336, 2021 (Journal Indexed in SCI)
- X. **Discrimination of milk species using Raman spectroscopy coupled with partial least squares discriminant analysis in raw and pasteurized milk**
Yazgan N. N. , Genis H. E. , BULAT T., TOPCU A., Durna S., Yetisemiyen A., BOYACI İ. H.
JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE, vol.100, no.13, pp.4756-4765, 2020 (Journal Indexed in SCI)
- XI. **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.
JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE, 2020 (Journal Indexed in SCI)
- XII. **Multiplex enumeration of Escherichia coli and Salmonella enteritidis in a passive capillary microfluidic chip**
Dogan U., Kasap E. N. , Sucularli F., YILDIRIM E., TAMER U., ÇETİN D., SULUDERE Z., BOYACI İ. H. , ERTAŞ N.
ANALYTICAL METHODS, vol.12, no.30, pp.3788-3796, 2020 (Journal Indexed in SCI)
- XIII. **Dual Responsive Disposable Electrode for the Enumeration of Escherichia coli in Whole Blood**
Panhwar S., İLHAN H., Hassan S. S. , Zengin A., BOYACI İ. H. , TAMER U.
ELECTROANALYSIS, 2020 (Journal Indexed in SCI)
- XIV. **Nanoparticle-assisted pyrrolidonyl arylamidase assay for a culture-free Group A Streptococcus pyogenes detection with image analysis**
Eryilmaz M., TAMER U., BOYACI İ. H.
TALANTA, vol.212, 2020 (Journal Indexed in SCI)
- XV. **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.
CEREAL CHEMISTRY, vol.97, no.3, pp.634-641, 2020 (Journal Indexed in SCI)
- XVI. **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, vol.137, no.14, 2020 (Journal Indexed in SCI)
- XVII. **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, vol.22, no.5, 2020 (Journal Indexed in SCI)
- XVIII. **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.
JOURNAL OF COATINGS TECHNOLOGY AND RESEARCH, vol.17, no.2, pp.461-475, 2020 (Journal Indexed in SCI)
- XIX. **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, vol.92, 2020 (Journal Indexed in SCI)
- XX. **Determination of yolk:white ratio of egg using SDS-PAGE**
Uysal R. S. , Acar-Soykut E., BOYACI İ. H.
FOOD SCIENCE AND BIOTECHNOLOGY, vol.29, no.2, pp.179-186, 2020 (Journal Indexed in SCI)
- XXI. **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, vol.108, 2020 (Journal Indexed in SCI)
- XXII. **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.
JOURNAL OF FOOD SCIENCE, vol.85, no.2, pp.500-509, 2020 (Journal Indexed in SCI)
- XXIII. **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.
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.50, no.4, pp.1157-1167, 2020 (Journal Indexed in SCI)
- XXIV. **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, vol.263, pp.320-325, 2019 (Journal Indexed in SCI)
- XXV. **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.
FOLIA MICROBIOLOGICA, vol.64, no.6, pp.751-763, 2019 (Journal Indexed in SCI)
- XXVI. **Mixed monolayer decorated SPR sensing surface for thrombin detection**
Sadik D. A. , BOYACI İ. H. , MUTLU M.
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol.176, 2019 (Journal Indexed in SCI)
- XXVII. **Authentication of liquid egg composition using ATR-FTIR and NIR spectroscopy in combination with PCA**
Uysal R. S. , BOYACI İ. H.
JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE, 2019 (Journal Indexed in SCI)
- XXVIII. **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.
JOURNAL OF FOOD SAFETY, vol.39, no.5, 2019 (Journal Indexed in SCI)
- XXIX. **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, vol.42, no.6, 2019 (Journal Indexed in SCI)
- XXX. **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, vol.164, 2019 (Journal Indexed in SCI)
- XXXI. **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.
TALANTA, vol.201, pp.245-252, 2019 (Journal Indexed in SCI)
- XXXII. **SERS-based rapid assay for sensitive detection of Group A Streptococcus by evaluation of the swab sampling technique**
Eryilmaz M., SOYKUT E. A. , ÇETİN D., BOYACI İ. H. , SULUDERE Z., TAMER U.
ANALYST, vol.144, no.11, pp.3573-3580, 2019 (Journal Indexed in SCI)

- XXXIII. **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.
FOOD CHEMISTRY, vol.284, pp.60-66, 2019 (Journal Indexed in SCI)
- XXXIV. **Determination of liquid egg composition using attenuated total reflectance Fourier transform infrared spectroscopy and chemometrics**
Uysal R. S. , Yilmaz O. M. , BOYACI İ. H.
JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE, vol.99, no.7, pp.3572-3577, 2019 (Journal Indexed in SCI)
- XXXV. **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.
JOURNAL OF FOOD PROCESS ENGINEERING, vol.42, no.2, 2019 (Journal Indexed in SCI)
- XXXVI. **Detection of Pistacia vera adulteration by using laser induced breakdown spectroscopy**
Sezer B., Apaydin H., Bilge G., BOYACI İ. H.
JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE, vol.99, no.5, pp.2236-2242, 2019 (Journal Indexed in SCI)
- XXXVII. **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.
INTERNATIONAL DAIRY JOURNAL, vol.90, pp.72-78, 2019 (Journal Indexed in SCI)
- XXXVIII. **Raman spectroscopy coupled with chemometric methods for the discrimination of foreign fats and oils in cream and yogurt**
Karacaglar N. N. Y. , BULAT T., BOYACI İ. H. , TOPCU A.
JOURNAL OF FOOD AND DRUG ANALYSIS, vol.27, no.1, pp.101-110, 2019 (Journal Indexed in SCI)
- XXXIX. **Coffee arabica adulteration: Detection of wheat, corn and chickpea**
Sezer B., Apaydin H., Bilge G., BOYACI İ. H.
FOOD CHEMISTRY, vol.264, pp.142-148, 2018 (Journal Indexed in SCI)
- XL. **A Raman-spectroscopy-based approach for detection and discrimination of Streptococcus thermophilus and Lactobacillus bulgaricus phages at low titer in raw milk**
Tayyarcan E. K. , ACAR SOYKUT E., BOYACI İ. H.
FOLIA MICROBIOLOGICA, vol.63, no.5, pp.627-636, 2018 (Journal Indexed in SCI)
- XLI. **Mixed-monolayer of N-hydroxysuccinimide-terminated cross-linker and short alkanethiol to improve the efficiency of biomolecule binding for biosensing**
Sadik D. A. , Eksi-Kocak H., ERTAŞ G., BOYACI İ. H. , MUTLU M.
SURFACE AND INTERFACE ANALYSIS, vol.50, no.9, pp.866-878, 2018 (Journal Indexed in SCI)
- XLII. **Performance evaluation of laser induced breakdown spectroscopy in the measurement of liquid and solid samples**
Bilge G., Sezer B., BOYACI İ. H. , ESELLER K. E. , BERBEROĞLU H.
SPECTROCHIMICA ACTA PART B-ATOMIC SPECTROSCOPY, vol.145, pp.115-121, 2018 (Journal Indexed in SCI)
- XLIII. **Identification of milk fraud using laser-induced breakdown spectroscopy (LIBS)**
Sezer B., Durna S., Bilge G., BERKKAN A., Yetisemiyen A., BOYACI İ. H.
INTERNATIONAL DAIRY JOURNAL, vol.81, pp.1-7, 2018 (Journal Indexed in SCI)
- XLIV. **Chemometric Evaluation of Discrimination of Aromatic Plants by Using NIRS, LIBS**
Ercioglu E., VELİOĞLU H. M. , BOYACI İ. H.
FOOD ANALYTICAL METHODS, vol.11, no.6, pp.1656-1667, 2018 (Journal Indexed in SCI)
- XLV. **Characterization of fossil Sequoioxylon wood using analytical instrumental techniques**
ÖZGENÇ Ö., DURMAZ S., SERDAR B., BOYACI İ. H. , Eksi-Kocak H., ÖZTÜRK M.
VIBRATIONAL SPECTROSCOPY, vol.96, pp.10-18, 2018 (Journal Indexed in SCI)
- XLVI. **Identification of offal adulteration in beef by laser induced breakdown spectroscopy (LIBS)**
VELİOĞLU H. M. , Sezer B., Bilge G., Baytur S. E. , BOYACI İ. H.
MEAT SCIENCE, vol.138, pp.28-33, 2018 (Journal Indexed in SCI)
- XLVII. **Assessment of laser induced breakdown spectroscopy as a tool for analysis of butter adulteration**

- TEMİZ H. T. , Sezer B., BERKKAN A., TAMER U., BOYACI İ. H.
JOURNAL OF FOOD COMPOSITION AND ANALYSIS, vol.67, pp.48-54, 2018 (Journal Indexed in SCI)
- XLVIII. **Alkaline phosphatase labeled SERS active sandwich immunoassay for detection of Escherichia coli**
BOZKURT A. G. , Buyukgoz G. G. , Soforoglu M., TAMER U., SULUDERE Z., BOYACI İ. H.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.194, pp.8-13, 2018
(Journal Indexed in SCI)
- XLIX. **Quantification and spatial distribution of salicylic acid in film tablets using FT-Raman mapping with multivariate curve resolution**
Eksi-Kocak H., TAMER S. İ. , YILMAZ Ş., Eryilmaz M., Boyaci I. H. , TAMER U.
ASIAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.13, no.2, pp.155-162, 2018 (Journal Indexed in SCI)
- L. **Paper based lateral flow immunoassay for the enumeration of Escherichia coli in urine**
Gumustas A., ÇAĞLAYAN M. G. , Eryilmaz M., SULUDERE Z., ACAR SOYKUT E., USLU B., BOYACI İ. H. , TAMER U.
ANALYTICAL METHODS, vol.10, no.10, pp.1213-1218, 2018 (Journal Indexed in SCI)
- LI. **A rapid tool for determination of titanium dioxide content in white chickpea samples**
Sezer B., Bilge G., BERKKAN A., TAMER U., BOYACI İ. H.
FOOD CHEMISTRY, vol.240, pp.84-89, 2018 (Journal Indexed in SCI)
- LII. **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 (Journal Indexed in SCI)
- LIII. **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 (Journal Indexed in SCI)
- LIV. **Determination of terpenoid contents of aromatic plants using NIRS**
Ercioglu E., VELİOĞLU H. M. , BOYACI İ. H.
TALANTA, vol.178, pp.716-721, 2018 (Journal Indexed in SCI)
- LV. **Detection and quantification of a toxic salt substitute (LiCl) by using laser induced breakdown spectroscopy (LISS)**
Sezer B., VELİOĞLU H. M. , Bilge G., BERKKAN A., Ozdinc N., TAMER U., BOYACI İ. H.
MEAT SCIENCE, vol.135, pp.123-128, 2018 (Journal Indexed in SCI)
- LVI. **A simple and fast method for discrimination of phage and antibiotic contaminants in raw milk by using Raman spectroscopy**
ACAR SOYKUT E., Tayyarcan E. K. , BOYACI İ. H.
JOURNAL OF FOOD SCIENCE AND TECHNOLOGY-MYSORE, vol.55, no.1, pp.82-89, 2018 (Journal Indexed in SCI)
- LVII. **ATR-FTIR SPECTROSCOPIC ANALYSIS OF THERMALLY MODIFIED WOOD DEGRADED BY ROT FUNGI**
ÖZGENÇ Ö., DURMAZ S., BOYACI İ. H. , Eksi-Kocak H.
DREWNO, vol.61, no.201, pp.91-105, 2018 (Journal Indexed in SCI)
- LVIII. **Capabilities and limitations of LIBS in food analysis**
Sezer B., Bilge G., BOYACI İ. H.
TRAC-TRENDS IN ANALYTICAL CHEMISTRY, vol.97, pp.345-353, 2017 (Journal Indexed in SCI)
- LIX. **A novel method for ash analysis in wheat milling fractions by using laser-induced breakdown spectroscopy**
Sezer B., Bilge G., Sanal T., KÖKSEL H., BOYACI İ. H.
JOURNAL OF CEREAL SCIENCE, vol.78, pp.33-38, 2017 (Journal Indexed in SCI)
- LX. **Novel Spectroscopic Method for Determination and Quantification of Saffron Adulteration**
Er S. V. , Eksi-Kocak H., YETİM H., BOYACI İ. H.
FOOD ANALYTICAL METHODS, vol.10, no.5, pp.1547-1555, 2017 (Journal Indexed in SCI)
- LXI. **Rapid quantification of total protein with surface-enhanced Raman spectroscopy using o-phthalaldehyde**
Eryilmaz M., Zengin A., BOYACI İ. H. , TAMER U.
JOURNAL OF RAMAN SPECTROSCOPY, vol.48, no.5, pp.653-658, 2017 (Journal Indexed in SCI)

- LXII. **Rapid discrimination between buffalo and cow milk and detection of adulteration of buffalo milk with cow milk using synchronous fluorescence spectroscopy in combination with multivariate methods**
DURAKLI VELİOĞLU S., Ercioğlu E., BOYACI İ. H.
JOURNAL OF DAIRY RESEARCH, vol.84, no.2, pp.214-219, 2017 (Journal Indexed in SCI)
- LXIII. **Synchronous fluorescence spectroscopy for determination of tahini adulteration**
TEMİZ H. T., TAMER U., BERKKAN A., BOYACI İ. H.
TALANTA, vol.167, pp.557-562, 2017 (Journal Indexed in SCI)
- LXIV. **Use of Raman spectroscopy for determining erucic acid content in canola oil**
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