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Personal Information

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International Researcher IDs

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Education Information

Doctorate, Canakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü, Gıda Mühendisliği, Turkey 2008 - 2016

Postgraduate, Canakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü, Tarım Makinaları, Turkey 2005 - 2008

Undergraduate, Canakkale Onsekiz Mart University, Ziraat Fakültesi, Tarım Makinaları, Turkey 2001 - 2005

Foreign Languages

English, B1 Intermediate

Certificates, Courses and Trainings

Education Management and Planning, 2237 PROJE EĞİTİMİ ETKİNLİKLERİNİ DESTEKLEME PROGRAMI, NAMIK KEMAL Ü. ZİRAAT F., 2014

Dissertations

Doctorate, TAZE KAYISALARIN KALİTE ÖZELLİKLERİNİN TERMAL OLmayAN TEKNİKLERLE MUHAFAZASI VE SAYISAL GÖRÜNTÜLEME İLE DEĞERLENDİRİLMESİ , Canakkale Onsekiz Mart University, Fen Bilimleri, Gıda Mühendisliği, 2016

Postgraduate, Kayısıda bazı içsel kalite kriterlerinin Fourier dönüşümlü-yakın kızıl ötesi (FT-NIR) spektroskopı kullanarak belirlenmesi, Canakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü, Tarım Makinaları, 2008

Research Areas

Agricultural Sciences, Agriculture, Farm Machinery, Agricultural Tools and Machines, Agricultural Electrification and Automation, Food Engineering, Food Technology, Fruits, Vegetables and Nuts, Food Packaging, Engineering and Technology

Academic Titles / Tasks

Research Assistant PhD, Canakkale Onsekiz Mart University, Ziraat Fakültesi, Tarım Makinaları Ve Teknolojileri Mühendisliği Bölümü, 2016 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. Efficacy evaluation of ultrasound treatment on the postharvest storability of white nectarine by both physicochemical and image processing analyses
TEMİZKAN R., Atan M., BÜYÜKCAN M. B., CANER C.
POSTHARVEST BIOLOGY AND TECHNOLOGY, vol.154, pp.41-51, 2019 (SCI-Expanded)
- II. Prediction of some internal quality parameters of apricot using FT-NIR spectroscopy
BÜYÜKCAN M. B., KAVDIR İ.
Journal of Food Measurement and Characterization, vol.11, no.2, pp.651-659, 2017 (SCI-Expanded)
- III. Analysis of Fatty Acids in Kernel, Flour, and Oil Samples of Maize by NIR Spectroscopy Using Conventional Regression Methods
EGESEL C. Ö., KAHRIMAN F., EKİNCİ N., KAVDIR İ., BÜYÜKCAN M. B.
CEREAL CHEMISTRY, vol.93, no.5, pp.487-492, 2016 (SCI-Expanded)
- IV. Potential of antimicrobial active packaging 'containing natamycin, nisin, pomegranate and grape seed extract in chitosan coating' to extend shelf life of fresh strawberry
Duran M., ADAY M. S., DEMİREL ZORBA N. N., TEMİZKAN R., BÜYÜKCAN M. B., CANER C.
FOOD AND BIOPRODUCTS PROCESSING, vol.98, pp.354-363, 2016 (SCI-Expanded)
- V. Drying, Energy, and Some Physical and Nutritional Quality Properties of Tomatoes Dried with Short-Infrared Radiation
KOCABIYIK H., YILMAZ N., TUNCEL N. B., SUMER S. K., BUYUKCAN M. B.
FOOD AND BIOPROCESS TECHNOLOGY, vol.8, no.3, pp.516-525, 2015 (SCI-Expanded)
- VI. The effects of middle infrared radiation intensity on the quality of dried tomato products
KOCABIYIK H., Yilmaz N., TUNCEL N. B., SÜMER S. K., BÜYÜKCAN M. B.
INTERNATIONAL JOURNAL OF FOOD SCIENCE AND TECHNOLOGY, vol.49, no.3, pp.703-710, 2014 (SCI-Expanded)
- VII. Role of Ozone Concentrations and Exposure Times in Extending Shelf Life of Strawberry
Aday M. S., Büyükcancı M. B., Temizkan R., Caner C.
OZONE-SCIENCE & ENGINEERING, vol.36, no.1, pp.43-56, 2014 (SCI-Expanded)
- VIII. MAINTAINING THE QUALITY OF STRAWBERRIES BY COMBINED EFFECT OF AQUEOUS CHLORINE DIOXIDE WITH MODIFIED ATMOSPHERE PACKAGING
Aday M. S., Büyükcancı M. B., Caner C.
JOURNAL OF FOOD PROCESSING AND PRESERVATION, vol.37, no.5, pp.568-581, 2013 (SCI-Expanded)
- IX. An innovative technique for extending shelf life of strawberry: Ultrasound
ADAY M. S., TEMİZKAN R., BÜYÜKCAN M. B., CANER C.
LWT-FOOD SCIENCE AND TECHNOLOGY, vol.52, no.2, pp.93-101, 2013 (SCI-Expanded)
- X. Determining Frying Oil Degradation by Near Infrared Spectroscopy Using Chemometric Techniques
ÖĞÜTCÜ M., Aydeniz B., BÜYÜKCAN M. B., YILMAZ E.
JOURNAL OF THE AMERICAN OIL CHEMISTS SOCIETY, vol.89, no.10, pp.1823-1830, 2012 (SCI-Expanded)
- XI. Prediction of olive quality using FT-NIR spectroscopy in reflectance and transmittance modes
KAVDIR İ., BÜYÜKCAN M. B., Lu R., KOCABIYIK H., ŞEKER M.
BIOSYSTEMS ENGINEERING, vol.103, no.3, pp.304-312, 2009 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. Prediction of Cherry Tomato Fruit Color Using FT-NIR Reflectance Spectroscopy
BÜYÜKCAN M. B., İĞDECİ A., KAVDIR İ.
1. Uluslararası Tarım ve Çevre Bilimleri Araştırmaları Kongresi, Turkey, 7 - 08 December 2019, pp.121-127

- II. New Development Techniques In Agricultural Machinery**
BÜYÜKCAN M. B.
13th International Congress On Mechanization And Energy In Agriculture International Workshop On Precision Agriculture, 13 - 15 September 2017
- III. Comparison of Artificial Neural Networks and Statistical Classifiers in Olive Sorting Using Near-Infrared Spectroscopy**
KAVDIR İ., BÜYÜKCAN M. B., KURTULMUŞ F.
19th International Conference on Agrotechnology and Food Sciences (ICAFS 2017, Rome), 18 - 19 September 2017
- IV. Classification of Olives Using FT NIR Spectroscopy and Neural Networks**
KAVDIR İ., BÜYÜKCAN M. B., KURTULMUŞ F.
2016 APCBEES SAN FRANCISCO CONFERENCE ABSTRACT, San-Francisco, Costa Rica, 26 - 28 October 2016
- V. DETECTION OF AFLATOXIN CONTAMINATED FIGS USING NEAR-INFRARED (NIR) REFLECTANCE SPECTROSCOPY**
Gunes A., Kalkan H., Durmus E., BÜYÜKCAN M. B.
10th International Conference on Electronics, Computer and Computation (ICECCO), Ankara, Turkey, 7 - 09 November 2013, pp.123-126
- VI. Nondestructive Olive Quality Detection Using FT-NIR Spectroscopy in Reflectance Mode**
KAVDIR İ., BÜYÜKCAN M. B., KOCABIYIK H., Lu R., ŞEKER M.
International Symposium on Application of Precision Agriculture for Fruits and Vegetables, Florida, United States Of America, 01 April 2009, vol.824, pp.373-380
- VII. NIR Spektroskopı Kullanarak Domatese Sertliğin Hasarsız olarak Tahmin Edilmesinde Farklı Sertlik Ölçüm Yöntemlerinin Değerlendirilmesi**
İĞDECİ A., BÜYÜKCAN M. B., KAVDIR İ.
32. Ulusal Tarımsal Mekanizasyon ve Enerji Kongresi, Turkey, 4 - 06 September 2019

Supported Projects

CANER C., BÜYÜKCAN M. B., Project Supported by Higher Education Institutions, Taze kayısıların kalite özelliklerinin termal olmayan tekniklerle muhafazası ve sayısal görüntüleme ile değerlendirilmesi, 2015 - 2016

Memberships / Tasks in Scientific Organizations

TARMAKDER (Tarım Makineleri Derneği), Member, 2006 - Continues

Metrics

Publication: 69
Citation (WoS): 316
Citation (Scopus): 445
H-Index (WoS): 9
H-Index (Scopus): 11