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Education Information

Doctorate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Gıda Mühendisliği (Dr), Turkey 2001 - 2005

Postgraduate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Gıda Mühendisliği (YI) (Tezli), Turkey 1998 - 2001

Undergraduate, Bursa Uludağ University, ZİRAAT FAKÜLTESİ, Gıda Mühendisliği Bölümü, Turkey 1994 - 1998

Dissertations

Doctorate, Salamura siyah zeytin üretiminde farklı tuzda ve düşük sıcaklıkta fermentasyon uygulamasının olgunlaşma ve kaliteye etkisi, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Gıda Mühendisliği (Dr), 2005

Postgraduate, Gıdalardan bulaşabilen bağırsak patojeni bakterilerin gelişmesine bazı baharatların etkileri, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Gıda Mühendisliği (YI) (Tezli), 2001

Research Areas

Agricultural Sciences, Engineering and Technology

Courses

MESLEKİ UYGULAMA I, Undergraduate, 2017 - 2018, 2016 - 2017

GIDA MÜHENDİSLİĞİNDE MOLEKÜLER UYGULAMALAR, Postgraduate, 2017 - 2018, 2016 - 2017

INTRODUCTION TO FOOD ENGINEERING, Undergraduate, 2017 - 2018, 2016 - 2017

Özel Beslenme Amaçlı Gıdalar, Undergraduate, 2017 - 2018

YÜKSEK LİSANS UZMANLIK ALAN DERSİ, Postgraduate, 2017 - 2018, 2016 - 2017

TEZ DANIŞMANLIĞI, Postgraduate, 2017 - 2018, 2016 - 2017

Sosyal Sorumluluk Uygulamaları, Undergraduate, 2017 - 2018

BİTİRME ÇALIŞMASI, Undergraduate, 2016 - 2017

ÖZEL GIDALAR TEKNOLOJİSİ, Undergraduate, 2016 - 2017

MESLEKİ UYGULAMA II, Undergraduate, 2016 - 2017

Advising Theses

- Kumral A., Bursa ilinde satıŖa sunulan taze tüketicim ürünlerinin tarım ilacı kalıntı risklerinin deęerlendirilmesi, Postgraduate, M.Çakı(Student), Continues
- Kumral A., Bursa ili kentsel ve kırsal alanında yaŖayan tüketicilerin gıda satın alma ve tüketicim davranıŖlarına COVID-19 pandemisinin etkileri, Postgraduate, B.ARTIK(Student), 2022
- Kumral A., Farklı sofralık zeytin iŖleme yöntemlerinin malathion ve parçalanma ürünü olan malaon kalıntıları üzerine etkileri, Postgraduate, A.LUYINDA(Student), 2022
- KUMRAL A., The effects of ultrasound and ozone applications in the processing of Gemlik black table olives, Postgraduate, E.Yıldız(Student), 2021
- KUMRAL A., A research on the changes of some insecticides during sauerkraut fermentation, Postgraduate, B.Maden(Student), 2020
- KUMRAL A., Determination of consumer attitudes about safe food consumption in the urban area of Bursa province, Postgraduate, D.SALİCİK(Student), 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Residue changes and processing factors of thirteen pesticides during different tomato pickle processes**
Maden B., Yildirim Kumral A.
FOOD ADDITIVES AND CONTAMINANTS PART A-CHEMISTRY ANALYSIS CONTROL EXPOSURE & RISK ASSESSMENT, vol.40, no.10, pp.1322-1332, 2023 (SCI-Expanded)
- II. **Effect of alkali treatment and natural fermentation on the residue behaviour of malathion and malaon during table olive production**
Luyinda A., KUMRAL A.
FOOD ADDITIVES AND CONTAMINANTS PART A-CHEMISTRY ANALYSIS CONTROL EXPOSURE & RISK ASSESSMENT, vol.40, no.3, pp.381-391, 2023 (SCI-Expanded)
- III. **Degradation Trends of Some Insecticides and Microbial Changes during Sauerkraut Fermentation under Laboratory Conditions**
Maden B., KUMRAL A.
JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY, vol.68, no.50, pp.14988-14995, 2020 (SCI-Expanded)
- IV. **Simulation Study for the Degradation of Some Insecticides during Different Black Table Olive Processes**
KUMRAL A., KUMRAL N. A., Kolcu A., Maden B., Artik B.
ACS OMEGA, vol.5, no.23, pp.14164-14172, 2020 (SCI-Expanded)
- V. **Chlorpyrifos and deltamethrin degradation potentials of two Lactobacillus plantarum (Orla-Jensen, 1919) (Lactobacillales: Lactobacillaceae) strains**
Kumral A., Kumral N. A., Gürbüz O.
TURKIYE ENTOMOLOJİ DERGİSİ-TURKISH JOURNAL OF ENTOMOLOGY, vol.44, no.2, pp.165-176, 2020 (SCI-Expanded)
- VI. **Nutritional, chemical and microbiological changes during fermentation of tarhana formulated with different flours**
Kumral A.
CHEMISTRY CENTRAL JOURNAL, vol.9, 2015 (SCI-Expanded)
- VII. **Phenolic inhibitors involved in the natural fermentation of Gemlik cultivar black olives**
KUMRAL A., KORUKLUOđLU M., Romero C., de Castro A., Luis Ruiz-Barba J., Brenes M.
EUROPEAN FOOD RESEARCH AND TECHNOLOGY, vol.236, no.1, pp.101-107, 2013 (SCI-Expanded)
- VIII. **Antifungal activity of chestnut shell extracts**
KUMRAL A., YAVUZ M., KORUKLUOđLU M., ERTÜRK Ü.
Acta Horticulturae, vol.866, pp.459-465, 2010 (SCI-Expanded)

- IX. **EFFECT OF THE USE OF DIFFERENT LACTIC STARTERS ON THE MICROBIOLOGICAL AND PHYSICO-CHEMICAL CHARACTERISTICS OF NATURALLY BLACK TABLE OLIVES OF GEMLIK CULTIVAR**
Kumral A., Basoglu F., Sahin I.
JOURNAL OF FOOD PROCESSING AND PRESERVATION, vol.33, no.5, pp.651-664, 2009 (SCI-Expanded)
- X. **The effects of wheat sourdough on glutenin patterns, dough rheology and bread properties**
Gocmen D., Gurbuz O., Kumral A., Dagdelen A. F., Sahin I.
EUROPEAN FOOD RESEARCH AND TECHNOLOGY, vol.225, pp.821-830, 2007 (SCI-Expanded)
- XI. **A traditional Turkish fermented cereal food: Tarhana**
Ozdemir S., Gocmen D., Kumral A.
FOOD REVIEWS INTERNATIONAL, vol.23, no.2, pp.107-121, 2007 (SCI-Expanded)
- XII. **Chemical compositions of traditional Tarhana having different formulations**
Tamer C. E., Kumral A., Asan M., Sahin I.
JOURNAL OF FOOD PROCESSING AND PRESERVATION, vol.31, no.1, pp.116-126, 2007 (SCI-Expanded)
- XIII. **Effects of some spice extracts on Escherichia coli, Salmonella typhimurium, Listeria monocytogenes, Yersinia enterocolitica and Enterobacter aerogenes**
Kumral A., Sahin I.
ANNALS OF MICROBIOLOGY, vol.53, no.4, pp.427-435, 2003 (SCI-Expanded)

Articles Published in Other Journals

- I. **Effect of Covid-19 pandemic on food purchasing and consumption behaviours of consumers living in urban and rural areas of Bursa province**
Artık B., Kumral A. Y.
Gıda ve yem bilimi-teknolojisi dergisi, vol.0, no.29, pp.21-30, 2023 (Peer-Reviewed Journal)
- II. **Candida boidinii'nin Farklı Suşlarının İnvitro Koşullarda Deltamethrin İnsektisitini Parçalama Potansiyellerinin Belirlenmesi**
Kumral A., Kumral N. A., Gürbüz O.
Bursa Uludağ Üniversitesi Ziraat Fakültesi Dergisi (Online), vol.34, no.2, pp.337-349, 2020 (Peer-Reviewed Journal)
- III. **Kuru Kayıslarda Ferrik Oksit ve Ozon Gazı Uygulamalarının, Kuru Meyve Akarı Carpoglyphus lactis (L.) (Acari: Carpoglyphidae) Kaynaklı Mikrobiyal Bulaşma Yüküne ve Meyve Kalite Parametrelerine Etkisinin Belirlenmesi**
KUMRAL A., TURGU V., Yıldız E., KUMRAL N. A., Çevik R. N., Sevinç İ., Karapapak G., Yüksel A. N., Ersöz E.
Bursa Uludağ Üniversitesi Ziraat Fakültesi Dergisi, vol.33, no.1, pp.67-82, 2019 (Peer-Reviewed Journal)
- IV. **Bursa İli Kentsel Alanında Tüketicilerin Güvenilir Gıda Tüketimine Yönelik Tutumlarının Belirlenmesi**
Salıcık D., KUMRAL A.
Uludağ Üniversitesi Ziraat Fakültesi Dergisi, vol.31, no.2, pp.69-82, 2017 (Peer-Reviewed Journal)
- V. **Responses of Grapevines to Two Spotted Spider Mite Mediated Biotic Stress**
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Journal of Biological Sciences, 2017 (Peer-Reviewed Journal)
- VI. **Responses of grapevines to Two Spotted Spider Mite mediated biotic stress**
SİVRİTEPE N., KUMRAL N. A., ERTÜRK Ü., YERLİKAYA C., KUMRAL A.
Journal of Biological Sciences, vol.9, no.4, pp.311-318, 2009 (Scopus)
- VII. **Listeriozis**
KORUKLUOĞLU M., KUMRAL A.
Dünya Gıda, pp.40-42, 1999 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Validation of Multi-residue Analytic Method for Detection of Some Biocides in Different Agricultural Commodities**
Hazarhun G., Gümül B., Maden B., Ayyıldız K., Ertaş Özkan S., Arabacı E. E., Kumral A., Kumral N. A.
8th International Food Safety Congress, İstanbul, Turkey, 9 - 10 May 2024, vol.1, no.1, pp.51-52
- II. **Evaluation of Matrix Effects for the Analysis of Some Pesticide Residues in Citrus Fruits, Pepper, Tomato and Lettuce Samples using a Multi-residue Analysis Method**
HAZARHUN G., Gümül B., MADEN B., AYYILDIZ K., Ertaş S., Arabacı E. E., KUMRAL A., KUMRAL N. A.
3rd FOOD CHEMISTRY CONGRESS, Bursa, Turkey, 29 February - 03 March 2024, vol.4, pp.30
- III. **Processing Factors of Pesticide Residues in Cucumber Pickles Using LC MS/MS**
Kumral A., Hazarhun G., Maden B., Ayyıldız K.
2nd. International Food Chemistry Congress , Antalya, Turkey, 16 - 19 March 2023, pp.18
- IV. **How acute and chronic dietary exposure to pesticide residues is assessed? A case study for fresh fruits and vegetables**
Hazarhun G., Kumral A., Kumral N. A.
7th Food Safety Congress, İstanbul, Turkey, 3 - 04 November 2022, vol.1, pp.27-28
- V. **Optimizing of a LC-MS/MS method for the detection of high polar compounds in different matrixes**
Hazarhun G., Kumral N. A., Gümül B., Aşçı R., Kolcu A., Kumral A.
14th European Pesticide Residue Workshop, Bologna, Italy, 19 - 23 September 2022, vol.1, pp.173-174
- VI. **Validation Of a Multiresidue Analysis Method For The Detection Of Pesticide Residuees In Cucumber Pickles Using Lc MS/MS**
Hazarhun G., Kumral A., Maden B., Ayyıldız K.
Gıda Kimyası Kongresi, Antalya, Turkey, 3 - 06 March 2022, pp.3
- VII. **EFFECTS OF DIFFERENT FOOD PROCESSING AND PRESERVATION TECHNIQUES ON THE CONCENTRATION OF PESTICIDE RESIDUES**
Kumral A., Luyında A.
5th International Congress on Agriculture, Environment and Health , Aydın, Turkey, 17 - 19 February 2022, pp.140
- VIII. **OPTIMIZATION AND VALIDATION OF MULTI-RESIDUE LC-MS/MS METHOD FOR THE ANALYSIS OF PESTICIDES IN CHESNUT**
Kumral A.
XII International Scientific Agriculture Symposium "AGROSYM 2021", 7 - 10 October 2021, pp.397-398
- IX. **The changes of insecticides during fermentation processes**
KUMRAL A.
XI International Agriculture Symposium "AGROSYM 2020", 8 - 09 October 2020
- X. **Recent trends in table olive processing**
KUMRAL A.
II. INTERNATIONAL AGRICULTURAL, BIOLOGICAL LIFE SCIENCE CONFERENCE, 1 - 03 September 2020, pp.429
- XI. **Effects of Sonication and Ozonation on the Natural Black Olive Fermentation of Gemlik Cultivar Olives**
Yıldız E., KUMRAL A.
OLIVEBIOTEQ'18, the 6th International Conference on the Olive Tree and Olive Products, Sevilla, Spain, 14 - 19 October 2018
- XII. **Reducing Insecticide Residues in Table Olives**
KUMRAL A., KUMRAL N. A.
OLIVEBIOTEQ'18, the 6th International Conference on the Olive Tree and Olive Products, 14 - 19 October 2018
- XIII. **Reducing Insecticide Residues in Table Olives**
KUMRAL A., KUMRAL N. A.
OLIVEBIOTEQ'18, the 6th International Conference on the Olive Tree and Olive Products, Sevilla, Spain, 15 - 19 October 2018
- XIV. **The Practical Methods for Reduction of Insecticide Residues on Vegetables and Fruits**
KUMRAL A., KUMRAL N. A.
XI EUROPEAN CONGRESS OF ENTOMOLOGY, 15 - 20 July 2018

- XV. **The Practical Methods for Reduction of Insecticide Residues on Vegetables and Fruits**
KUMRAL A., KUMRAL N. A.
XI European Congress of Entomology, 238-238, Napoli, İtalya, Napoli, Italy, 2 - 06 July 2018
- XVI. **Effect of Some Demographic and Socioeconomic Factors on the Consciousness of Consumers About Food Safety**
Salıcık D., KUMRAL A.
VIII. International Agriculture Symposium "AGROSYM 2017", 5 - 08 October 2017
- XVII. **The insecticide degradation potential of two *Lavtobacillus plantarum* strains isolated from fermented table olives**
KUMRAL A., KUMRAL N. A.
8th International Olive Symposium, Split, Croatia, 10 - 14 October 2016
- XVIII. **A preliminary study for the survival of different *L. plantarum* strains in mineral salt medium with chlorpyrifos and deltamethrin**
KUMRAL A., KUMRAL N. A.
25. International Scientific-Expert Conference on Agriculture and Food Industry, İzmir, Turkey, 25 - 27 September 2014, pp.199
- XIX. **Decontamination of insecticides by lactic acid bacteria**
KUMRAL A., KUMRAL N. A.
24. International Scientific Expert Conference of Agriculture and Food Industry, Saraybosna, Bosnia And Herzegovina, 25 - 28 September 2013, pp.293-296
- XX. **Bisfenol A içerikli gıda ambalajlarına güncel yaklaşım**
GÜLGÖR G., BEKTAŞ D., KORUKLUOĞLU M., KUMRAL A.
Türkiye 11. Gıda Kongresi, Turkey, 10 - 12 October 2012, pp.39
- XXI. **Gemlik çeşidi olarak satışa sunulan sofralık zeytinlerin bazı özellikleri**
KUMRAL A., BEKTAŞ D., GÜLGÖR G., KORUKLUOĞLU M.
III. Ulusal Zeytin Öğrenci Kongresi, Aydın, Turkey, 16 - 18 May 2012
- XXII. **Esterase and β -glucosidase Activities of Lactic Acid Bacteria Isolated From Naturally Black Olives of Gemlik Cultivar**
KUMRAL A., KORUKLUOĞLU M., CASTRO A. d., RUIZ BARBA J. L., ROMERO C., BRENES M.
Forth International Table Olive Conference, 16 - 17 February 2012
- XXIII. **Microbiological and chemical changes during the naturally black olive fermentation of Gemlik cultivar**
KUMRAL A., KORUKLUOĞLU M., ROMERO C., BRENES M., DE CASTRO A., RUIZ BARBA J. L.
IV. Jornadas Internacionales de la Aceituna de Mesa, 16 - 17 February 2012, pp.85
- XXIV. **Esterase and beta glucosidase activities of lactic acid bacteria isolated from naturally black olives of Gemlik cultivar**
KUMRAL A., KORUKLUOĞLU M., ANTONIO D. C., RUIZ BARBA J. L., ROMERO C., BRENES M.
IV. Jornadas Internacionales de la Aceituna de Mesa, 16 - 17 February 2012, pp.83
- XXV. **Table olives processing technologies in Turkey**
KUMRAL A., KORUKLUOĞLU M.
3. Jornadas Internacionales de la Aceituna de Mesa, 10 - 11 March 2010, pp.31
- XXVI. **Salamura siyah zeytin fermentasyonundaki mikroflora ve starter kullanımı**
KUMRAL A., YAVUZ M., KORUKLUOĞLU M.
6. Gıda Mühendisliği Kongresi, Turkey, 6 - 08 November 2009, pp.593-597
- XXVII. **Antifungal activity of chestnut shell extracts**
KUMRAL A., YAVUZ M., KORUKLUOĞLU M., ERTÜRK Ü.
Acta Horticulturae, 13 - 16 October 2009, pp.459-465
- XXVIII. **Osteoporoz ve süt ürünleri**
KUMRAL A., YAVUZ M.
Pamukkale Süt ve Süt Ürünleri Sempozyumu, Turkey, 21 - 23 May 2009, pp.52
- XXIX. **Süt ve ürünlerinin kolon kanseri üzerine etkileri**

YAVUZ M., KUMRAL A., KORUKLUOĞLU M.

Pamukkale Süt ve Süt Ürünleri Sempozyumu, Turkey, 21 - 23 May 2009, pp.53

- XXX. **Establishment of conditions for black table olive fermentation at low temperature**
KUMRAL A., ŞAHİN İ.
5. International Symposium on Olive Growing, 27 September - 02 October 2004, vol.791, pp.669-675
- XXXI. **Darkening methods used in olive processing**
KUMRAL A., BAŞOĞLU F.
5. International Symposium on Olive Growing, 27 September - 02 October 2004, vol.791, pp.665-668
- XXXII. **Gen Kaynaklarının Erozyonu ve Korunması**
KUMRAL A., İNCEDAYI B.
VIII. Ulusal Tarım Ekonomisi Kongresi, Turkey, 25 - 27 June 2008, pp.410-415
- XXXIII. **Uludağ Üniversitesi deneme bağında yetiştirilen siyah üzümün şaraba uygunluğu ve üretim yönteminin şarap bileşimine etkilerinin araştırılması**
GÜRBÜZ O., KUMRAL A., UYLAŞER V., ŞAHİN İ.
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- XXXIV. **Çilek nektarında renk stabilizasyonuna enzim uygulamasının etkisi**
GÜRBÜZ O., KUMRAL A., ALKIN E., DAĞDELEN F.
Ulusal Kivi ve Üzümü Meyveler Sempozyumu, Turkey, 23 - 25 October 2003, pp.295-300
- XXXV. **Farklı Aspergillus niger Suşlarının Değişik Ortamlardaki Amilaz ve Pektaz Oluşturma Yeteneklerinin Belirlenmesi**
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- XXXVI. **Farklı A Niger suşlarının değişik ortamlardaki amilaz ve pektaz oluşturma yeteneklerinin belirlenmesi**
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Türkiye 7. Gıda Kongresi, Turkey, 22 - 24 May 2002, pp.159-167
- XXXVII. **Gemlik tipi zeytinlerde mikotoksin kirliliğinin araştırılması**
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Türkiye 1. Zeytincilik Sempozyumu, Turkey, 6 - 09 June 2000, pp.214-219
- XXXVIII. **Yeşil zeytin üretiminde farklı çeşit ve uygulamaların ürün kalitesine etkisi**
UYLAŞER V., KORUKLUOĞLU M., GÖÇMEN D., KUMRAL A., ŞAHİN İ.
Türkiye 1. Zeytincilik Yetiştiriciliği Sempozyumu, Turkey, 6 - 09 June 2000, pp.220-226
- XXXIX. **Salamura zeytinlerde bozulma etkeni küfler**
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- XL. **Parmak Patates Üretimi**
GÜRBÜZ O., KUMRAL A.
2000'li Yıllarda Gıda Bilimi ve Teknolojisi Kongresi, Turkey, 18 - 20 October 1999, pp.109
- XLI. **Hıyar turşusu üretiminde potasyum sorbat derişiminin fermentasyona etkisi ve meyveye geçme oranının belirlenmesi**
UYLAŞER V., GÖÇMEN D., KORUKLUOĞLU M., KUMRAL A., ŞAHİN İ.
11. KÜKEM Biyoteknoloji Kongresi, Turkey, 6 - 09 September 1999, vol.23, pp.11-18

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