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Education Information

Doctorate, Istanbul Technical University, Kimya-Metalurji, Gıda Mühendisliği, Turkey
2022 - Continues
Postgraduate, Istanbul Technical University, Kimya-Metalurji, Gıda Mühendisliği, Turkey
2018 - 2022
Undergraduate, Istanbul Technical University, Kimya-Metalurji, Gıda Mühendisliği, Turkey
2013 - 2018

Foreign Languages

English, C1 Advanced

Academic Titles / Tasks

Research Assistant, Istanbul Technical University, Kimya-Metalurji, Gıda Mühendisliği, 2020 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **3D printable vegan plant-based meat analogue: Fortification with three different mushrooms, investigation of printability, and characterization**
Demircan E., Aydar E. F., Mertdinc (Mertdinc) Z., Kasapoglu (Kasapoğlu) K. N., Ozcelik (Özçelik) B.
Food Research International, vol.173, 2023 (SCI-Expanded)
- II. **A new plant-based milk alternative of Pistacia vera geographically indicated in Türkiye: Antioxidant activity, in vitro bio-accessibility, and sensory characteristics**
Mertdinc Z., Aydar E. F., Kadı İ. H., Demircan E., Koca Çetinkaya S., Günşar B.
Food Bioscience, vol.53, 2023 (SCI-Expanded)
- III. **Kidney bean (Phaseolus vulgaris L.) milk substitute as a novel plant-based drink: Fatty acid profile, antioxidant activity, in-vitro phenolic bio-accessibility and sensory characteristics**
Aydar E. F., Mertdinc Z., Demircan E., Koca Çetinkaya S., Günşar B.
Innovative Food Science and Emerging Technologies, vol.83, 2023 (SCI-Expanded)
- IV. **Santalum Genus: phytochemical constituents, biological activities and health promoting-effects**

Sharifi-Rad J., Quispe C., Turgumbayeva A., Mertdinç Z., Tutuncu S., Aydar E. F., Ozcelik B., Anna S., Mariola S., Kozirog A., et al.

ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION C-A JOURNAL OF BIOSCIENCES, vol.78, pp.9-25, 2023 (SCI-Expanded)

V. **A Review of Recent Studies on the Antioxidant and Anti-Infectious Properties of Senna Plants**

Alshehri M. M., Quispe C., Herrera-Bravo J., Sharifi-Rad J., Tutuncu S., Aydar E. F., Topkaya C., Mertdinç Z., Özçelik B., Aital M., et al.

OXIDATIVE MEDICINE AND CELLULAR LONGEVITY, vol.2022, 2022 (SCI-Expanded)

Articles Published in Other Journals

I. **Geographical Indications of Turkish Olive Oils : Evaluation of Quality and Sensory Properties of**

Thirty EVOOs From 4 Different Regions By Accredited Turkish Sensory Panel And Quality Parameters

ÖZÇELİK B., Arucu D., Ünsal S., AYDAR E. F., MERTDİNÇ Z.

International Journal of Advanced Science and Technology, vol.29, pp.1896-1903, 2020 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **Kars Yöresine Ait Kavlca Buğdayı ile Modern Ekmeklik Buğdayın Mineral Profillerinin Karşılaştırılması**

AYDAR E. F., Demircan E., MERTDİNÇ Z., Kahraman T., ÖZÇELİK B.

9. Ulusal Tarım Kongresi, 14 October 2022

II. **Mineral profile of enriched modern bread with an ancient Anatolian wheat from Türkiye**

AYDAR E. F., Demircan E., MERTDİNÇ Z., Kahraman T., ÖZÇELİK B.

14th International Conference and Exhibition on Nutraceuticals and Functional Foods, 02 October 2022

III. **Integration of T. turgidum to industrial bread production for regional economic development in Turkey**

Aydar E. F., Demircan E., Mertdinç Z., Özçelik B., Kahraman T.

20th ICC Conference, Vienna, Austria, 01 July 2022

IV. **Consumer Preference Survey in Turkey for Plant-Based Milk Substitutes**

Mertdinç Z., Aydar E. F., Tütüncü S., Özgüven M., Günşar B.

II-INTERNATIONAL SCIENTIFIC AND PRACTICAL CONFERENCE "PROBLEMS AND PROSPECTS OF INNOVATIVE MACHINERY AND TECHNOLOGIES IN THE AGRI-FOOD CHAIN, Toskent, Uzbekistan, 22 April 2022

V. **Effect of ancient wheat (Triticum turgidum ssp. dicoccum) on total flavonoid content and total antioxidant capacity of bread**

AYDAR E. F., Demircan E., MERTDİNÇ Z., Kahraman T., Gültekin M., ÖZÇELİK B.

II-INTERNATIONAL SCIENTIFIC AND PRACTICAL CONFERENCE "PROBLEMS AND PROSPECTS OF INNOVATIVE MACHINERY AND TECHNOLOGIES IN THE AGRI-FOOD CHAIN", Uzbekistan, 22 April 2022

VI. **EFFECTS OF FERMENTATION ON ANTIOXIDANT ACTIVITY OF PLANT-BASED MILK SUBSTITUTES**

Mertdinç Z., Aydar E. F., Özçelik B.

MESMAP-6, İzmir, Turkey, 15 - 17 October 2020, pp.53

Supported Projects

Özçelik B., Kasapoğlu K. N., Aydar E. F., Mertdinç Z., Demircan E., Project Supported by Higher Education Institutions, Süperkritik Ekstraksiyon ile Çeşitli Yerel Bitkilerden Antioksidan ve Besin Desteği Üretimi ve Bunların Protein Biyoyararlanışlığı Artırılmış Fonksiyonel Bitkisel Kırmızı Et Analogu Üretiminde Kullanımı Amacıyla 3D Baskı Teknolojilerinin Uygulanması, 2023 - Continues

Övez S., Demircan E., Kasapoğlu K. N., Mertdinç Z., Ervan T., Günşar B., Aydar E. F., Baydoğan M., Project Supported by Higher Education Institutions, Alglerin Polihidroksi Bütirat PHB Üretim Verimini Arttırma ve PHBden Yenilebilir Ambalaj Üretim Potansiyelinin Araştırılması, 2023 - Continues

Kırkın Gözükrımı C., Aydar E. F., Mertdinç Z., Güneş G., Özçelik B., Project Supported by Higher Education Institutions, Ambalaj içi Soğuk Plazma Uygulamasının Bazı Baharat ve Aromatik Bitkilerin Kalite ve Biyoaktif Bileşenlerine Etkileri, 2022 - Continues

Metrics

Publication: 12
Citation (WoS): 9
Citation (Scopus): 52
H-Index (WoS): 2
H-Index (Scopus): 3