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Education Information

Doctorate, Cukurova University, Bağımlılık Ve Adli Bilimler Enstitüsü, Turkey 2019 - 2024

Postgraduate, Cukurova University, Bağımlılık Ve Adli Bilimler Enstitüsü, Turkey 2016 - 2019

Undergraduate, Halic University, FEN-EDEBİYAT FAKÜLTESİ, MOLEKÜLER BİYOLOJİ VE GENETİK, Turkey 2010 - 2014

Dissertations

Postgraduate, Denetimli serbestlik hastalarında sentetik kannabinoidlerin kullanım sıklıklarının belirlenmesi, Cukurova University, Bağımlılık Ve Adli Bilimler Enstitüsü, 2019

Research Areas

Forensic Medicine (Medical Jurisprudence), Chemistry, Chromatographic Analysis, Mass Spectroscopy, Health Sciences

Academic Titles / Tasks

Lecturer, Ankara University, Sağlık Hizmetleri Meslek Yüksekokulu, Tıbbi Hizmetler Ve Teknikler Bölümü, 2024 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Estimation of anti-diabetes drug metformin in Turkiye using wastewater-based epidemiology**

Yavuz Guzel E., Atasoy Aydın A., Gören İ. E., Ünüvar N., Dağlıoğlu N.

DRUG TESTING AND ANALYSIS, vol.16, no.11, pp.1295-1305, 2024 (SCI-Expanded)

II. **Method development, validation, and application for simultaneous determination of 56 new**

psychoactive substances in surface water by LC-MS/MS

ATASOY AYDIN A., GÖREN İ. E., YAVUZ GÜZEL E., DAĞLIOĞLU N.

ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.30, no.36, pp.85920-85929, 2023 (SCI-Expanded)

- III. **Impact of COVID-19 pandemic on antidepressants consumptions by wastewater analysis in Turkey**
Yavuz-Guzel E., Atasoy A., GÖREN İ. E., DAĞLIOĞLU N.
SCIENCE OF THE TOTAL ENVIRONMENT, vol.838, 2022 (SCI-Expanded)
- IV. **Determination of synthetic cannabinoids in randomly urine samples collected from probationers in Turkey**
Atasoy A., DAĞLIOĞLU N., GÖREN İ. E., Girisbay A., ASLAN R., Akgur S. A.
FORENSIC SCIENCE INTERNATIONAL, 2021 (SCI-Expanded)
- V. **Estimation of alcohol and nicotine consumption in 11 cities of Turkey using wastewater-based epidemiology**
Yavuz Guzel E., Atasoy A., GÖREN İ. E., DAĞLIOĞLU N.
DRUG TESTING AND ANALYSIS, no.4, pp.853-861, 2021 (SCI-Expanded)
- VI. **Comparison of community illicit drug use in 11 cities of Turkey through wastewater-based epidemiology**
DAĞLIOĞLU N., Guzel E. Y., Atasoy A., GÖREN İ. E.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, no.12, pp.15076-15089, 2021 (SCI-Expanded)
- VII. **DETERMINATION OF DERMAL EXPOSURE LEVELS BY PATCH METHODS IN PESTICIDE OPERATORS**
Sahin M., NAZLICAN E., Bozdogan N. Y., Atasoy A., DAĞLIOĞLU N.
FRESENIUS ENVIRONMENTAL BULLETIN, no.11A, pp.12635-12645, 2021 (SCI-Expanded)
- VIII. **New Psychoactive Substance 5-MeO-MiPT <i>in vivo</i> Acute Toxicity and Hystotoxicological Study**
ALTUNCI Y. A., AYDOĞDU M., Açıkgöz E., Guven U., Dukagac F., Atasoy A., DAĞLIOĞLU N., Akgur S. A.
BALKAN MEDICAL JOURNAL, no.1, pp.34-42, 2021 (SCI-Expanded)
- IX. **Estimating alcohol consumption by using wastewater-based epidemiology in Adana Province, Turkey**
DAĞLIOĞLU N., Atasoy A., Asadi A., Guzel E. Y., Dengiz H.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, no.25, pp.31884-31891, 2020 (SCI-Expanded)

Articles Published in Other Journals

- I. **The systematic investigation of the role of adulterants into the postmortem redistribution of heroin**
DAĞLIOĞLU N., GÖREN İ. E., DAĞLIOĞLU Y. K., ATASOY A., EFEOĞLU ÖZŞEKER P.
Toxicologie Analytique et Clinique, vol.34, no.3, pp.105, 2022 (Peer-Reviewed Journal)
- II. **Establishing early warning systems by monitoring COVID-19 (SARS-CoV-2) in wastewater**
DAĞLIOĞLU N., GÜZEL E., Atasoy A.
The Bulletin of Legal Medicine, vol.25, no.Sp, pp.28-32, 2020 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Chapte 8: Wastewater-Based Epidemiology for assessing and monitoring human exposure to pesticides**
DAĞLIOĞLU N., GÜZEL E., ATASOY A.
in: Wastewater-Based Epidemiology for the Assessment of Human Exposure to Environmental Pollutants, Mohammed Hadi Dehghani, Rama Rao Karri, Nikolaos Rousis, Emma Gracia-Lor, Editor, Elsevier, Londrina, pp.199-213, 2023
- II. **Felaket Kurbanlarının Kimliklendirilmesi**
ÜNLÜTÜRK Ö., ATASOY AYDIN A.
in: Olay Yeri İncelemede Spesifik Alanlar-I, Dr. Öğr. Üyesi Yakup Gülekci, Dr. Öğr. Üyesi Harun Şener, Editor, Dr. Öğr. Üyesi Yakup Gülekci, Dr. Öğr. Üyesi Harun Şener, Ankara, pp.70-107, 2022
- III. **Analitik Artefaktlar**
Atasoy A., Gören İ. E., Dağlıoğlu N.

in: Yasal & Yasadışı Maddeler ve Adli Toksikolojik Yaklaşımlar, Akgür Serap Annette, Editor, Akademisyen Yayınevi, pp.447-456, 2021

IV. Coronavirus Disease 2019 (COVID-19) Turkey Perspective

GÜZEL E., DAĞLIOĞLU N., ATASOY AYDIN A.

in: Environment and SARS-CoV-2, Prof. Dr. Yeşim Taşova, Prof. Dr. Mustafa Kemal Çelen, Editor, Hipokrat Kitabevi, Ankara, pp.127-132, 2020

Refereed Congress / Symposium Publications in Proceedings

- I. Method Development and Validation for Detection of Anabolic-Androgenic Steroids in Wastewater**
ERTAŞ B. S., ŞENER H., GÖREN İ. E., ATASOY AYDIN A., DAĞLIOĞLU N.
Testing The Waters 7 (TTW7), Lizbon, Portugal, 21 - 22 October 2024
- II. Wastewater-based epidemiology for the estimation of human exposure to phthalates and bisphenols in urban populations in Türkiye**
ATASOY AYDIN A., GÜZEL E., ERTAŞ B. S., DAĞLIOĞLU N.
Testing The Waters 7 (TTW7), Lizbon, Portugal, 21 - 22 October 2024
- III. Assessment of Human Exposure to Pesticides in Türkiye: via Wastewater-Based Epidemiology**
GÜZEL E., ATASOY AYDIN A., ERTAŞ B. S., DAĞLIOĞLU N.
Testing The Waters 7 (TTW7), Lizbon, Portugal, 21 - 22 October 2024
- IV. Maternal New Psychoactive Substance Use: MDMB-4en-PINACA Case Report**
AYDOĞDU M., GÖREN İ. E., ATASOY AYDIN A., CANARSLAN D., ÇELTİK Ü., ÇELİK A., DAĞLIOĞLU N., AKGÜR S. A.
5th Regional Tiaft Meeting in Türkiye, Diyarbakır, Turkey, 9 - 11 October 2024
- V. Method Development and Validation for Detection of Anabolic-Androgenic Steroids in Wastewater and Application to Real Wastewater Samples**
ERTAŞ B. S., ŞENER H., GÖREN İ. E., ATASOY AYDIN A., DAĞLIOĞLU N.
5th Regional Tiaft Meeting in Türkiye, Diyarbakır, Turkey, 9 - 11 October 2024
- VI. Passive Exposure to Tobacco Smoke in the Workplace: Evaluation of Urine Samples**
EMEN E., OVAT D. Y., ATASOY AYDIN A., AKGÜR S. A.
5th Regional Tiaft Meeting in Türkiye, Diyarbakır, Turkey, 9 - 11 October 2024
- VII. Applications of Wastewater-Based Epidemiology in Workplace Drug Testing**
GÜZEL E., ATASOY AYDIN A., DAĞLIOĞLU N.
5th Regional Tiaft Meeting in Türkiye, Diyarbakır, Turkey, 9 - 11 October 2024
- VIII. Determination of Four Common Cannabinoids in Hemp Seeds Available in Türkiye Using LC-MS/MS**
Kaçargil Ç. U., Atasoy Aydın A., Gören İ. E., Dağlıoğlu N.
5th Regional Tiaft Meeting in Türkiye, Diyarbakır, Turkey, 9 - 11 October 2024
- IX. Stability Study for The Analysis of New Psychoactive Substances (NPSs) for Water-Based Epidemiological Studies**
OVAT D. Y., ATASOY AYDIN A., GÖREN İ. E., DAĞLIOĞLU N., AKGÜR S. A.
5th Regional Tiaft Meeting in Türkiye, Diyarbakır, Turkey, 9 - 11 October 2024
- X. Analysis of Nicotine Levels of Electronic Cigarettes Using Liquid Chromatography-Tandem Mass Spectrometry**
YILMAZCAN P., ATASOY AYDIN A., DAĞLIOĞLU N.
5th Regional Tiaft Meeting in Türkiye, Diyarbakır, Turkey, 9 - 11 October 2024
- XI. Determination of Neuropsychiatric Drugs in Wastewater of Western Iran and Southern Türkiye Using Wastewater-Based Epidemiology**
ATASOY AYDIN A., GÜZEL E., GÖREN İ. E., ASADI A., DAĞLIOĞLU N.
5th Regional Tiaft Meeting in Türkiye, Diyarbakır, Turkey, 9 - 11 October 2024
- XII. Segmental analysis of multi-illicit drugs in head hair of patients treated in a rehabilitation program**
Danışman M., GÖREN İ. E., ATASOY AYDIN A., YALÇIN ŞAHİNER Ş., ERTAŞ B. S., SOYTÜRK H., DAĞLIOĞLU N.
61st Annual Meeting of TIAFT, St. Gallen, Switzerland, 2 - 06 September 2024

- XIII. **Phosphatidylethanol (PEth) detected in Dried Blood Samples (DBS) after single consumption of alcohol**
Dengiz H., GÖREN İ. E., ATASOY AYDIN A.
61st Annual Meeting of TIAFT, St. Gallen, Switzerland, 2 - 06 September 2024
- XIV. **Evaluation of BAC levels determined in traffic accident cases admitted to the emergency department in Adana, Türkiye**
ATASOY AYDIN A., AVCI AKCA A., GÖREN İ. E., Aydın İ., DAĞLIOĞLU N.
61st Annual Meeting of TIAFT, St. Gallen, Switzerland, 2 - 06 September 2024
- XV. **Wastewater Analysis of Illicit Substances as a Means of Detecting Substance Abuse**
DAĞLIOĞLU N., ATASOY AYDIN A., GÜZEL E., ERTAŞ B. S.
EDCS-NC 2024, Panel on "Effective Drug Control Strategies in Northern Cyprus: Challenges and Opportunities in 2024", Kyrenia, Cyprus (Kktc), 15 - 17 April 2024, pp.1-114
- XVI. **Estimation of Anti-Diabetes Drug Metformin in Türkiye using Wastewater-Based Epidemiology,**
GÜZEL E., ATASOY AYDIN A., GÖREN İ. E., ÜNÜVAR N., DAĞLIOĞLU N.
Testing The Waters 7 (TTW7), Lizbon, Portugal, 21 - 22 October 2024
- XVII. **Adli Toksikoloji**
ATASOY AYDIN A.
Bioinnovation 2024 Lansmanı ve Adli Bilimler Sempozyumu, Ankara, Turkey, 17 December 2023
- XVIII. **Workplace Drug Testing in Türkiye: First Pilot Study Among Workers**
ASLAN R., OVAT D. Y., ATASOY AYDIN A., GÖREN İ. E., KURTULMUŞ Y., SAĞLAM İ., CENGİZİS C., DAĞLIOĞLU N., AKGÜR S. A.
European Workplace Drug Testing Society (EWDTS) Conference 2023, İstanbul, Turkey, 12 - 13 October 2023
- XIX. **Alcohol and Psychoactive Drug Analysis in Aviation Personnel: Situation in Türkiye**
AVCI AKCA A., ATASOY AYDIN A., DAĞLIOĞLU N.
European Workplace Drug Testing Society (EWDTS) Conference 2023, İstanbul, Turkey, 12 - 13 October 2023
- XX. **Determination Of Δ^9 -Thc, Thca, Cbd, And Cbn Concentrations With The Lc-MS/MS Method In Hempseed Oils Commercially Available In Türkiye**
KAÇARGİL Ç. U., ATASOY AYDIN A., DAĞLIOĞLU N.
14th Annual Scientific Meeting of the Balkan Academy of Forensic Sciences, İstanbul, Turkey, 5 - 08 October 2023
- XXI. **In vitro cytotoxicity and identification of phase I metabolites of 5F-NPB-22 using Human Liver Microsome**
YALDIZ F. D., DAĞLIOĞLU N., GÖREN İ. E., ATASOY AYDIN A.
60st International Association of Forensic Toxicologist Meeting (TIAFT), Rome, Italy, 27 - 31 August 2023
- XXII. **Method development, validation, and application for simultaneous determination of 56 new psychoactive substances in surface water by LC-MS/MS**
ATASOY A., GÖREN İ. E., GÜZEL E., DAĞLIOĞLU N.
Testing the Waters 6, Oxford, England, 26 - 27 June 2023
- XXIII. **Estimating pregabalin abuse in 31 cities in Türkiye through wastewater-based epidemiology**
DAĞLIOĞLU N., ATASOY A., GÖREN İ. E., GÜZEL E.
Testing the Waters 6, Oxford, England, 26 - 27 June 2023
- XXIV. **TRAFİKTE RANDOMİZE OLARAK SEÇİLEN SÜRÜCÜLERİN TÜKÜRÜK ÖRNEKLERİNDE YASA DIŞI MADDELERİN LC-MS/MS METODU İLE BELİRLENMESİ**
DAĞLIOĞLU N., EFEOĞLU ÖZŞEKER P., GÖREN İ. E., ATASOY AYDIN A.
3. Uluslararası ve 19. Ulusal Adli Bilimler Kongresi, Aydın, Turkey, 3 - 06 November 2022
- XXV. **Impact of COVID- 19 Pandemic on Antidepressants Consumptions by Wastewater Analysis in Turkey**
GÜZEL E., ATASOY AYDIN A., GÖREN İ. E., DAĞLIOĞLU N.
Forensic Sciences Symposium & Online IACFT Turkish Speakers' Day, Kütahya, Turkey, 01 April 2022
- XXVI. **Determining the differences of illicit drug, alcohol and nicotine consumption between Ramadan and normal periods via wastewater-based epidemiology**
GÜZEL E., ATASOY AYDIN A., GÖREN İ. E., DAĞLIOĞLU N.
Testing the Waters 5, Brisbane, Australia, 28 - 30 September 2021

- XXVII. **Adli Laboratuvarlar İçin Morfin Sertifikalı Referans Malzemesinin Üretilmesi ve Sertifikalandırılması**
DAĞLIOĞLU N., GİRİŞBAY A., GÖREN İ. E., ATASOY AYDIN A.
4th international occupational and environmental diseases congress, Turkey, 5 - 08 March 2020
- XXVIII. **DETERMINATION OF FREQUENCY OF USE OF SYNTHETIC CANNABINOIDS IN PROBATIONERS**
ATASOY AYDIN A., DAĞLIOĞLU N., AKGÜR S. A.
The 57th Annual Meeting of the International Association of Forensic Toxicologists, Birmingham, England, 2 - 06 September 2019
- XXIX. **İDRAR ÖRNEKLERİNDE SENTETİK KANNABINOİDLERİN TESPİTİ**
ATASOY A., GİRİŞBAY A., DAĞLIOĞLU N.
16. Adli Bilimler Kongresi, İzmir, Turkey, 05 April 2019
- XXX. **Multi-residue analysis of selected new psychoactive substances in wastewater samples by liquid chromatography–tandem mass spectrometry- a primarily study**
GÜZEL E., ATASOY AYDIN A., EFEOĞLU F.
3rd Regional TIAFT Meeting in Turkey, Nevşehir, Turkey, 18 October 2018

Supported Projects

Dağlıoğlu N., Kalkan Ç., Satar S., Attar Ş. H., Akgül D. S., Yaşa Kafkas N. E., Atasoy Aydın A., Gölcü A. E., Satar G., Project Supported by Higher Education Institutions, Çilekte Ana Zararlılara Karşı Biyopreperat Geliştirilmesi, Biyopestisitlerin Kurşuni Küfe ve Derim Sonrası Meyve Kalite ve Kalıntı Üzerine Etkilerinin Belirlenmesi, 2024 - 2027

Atasoy Aydın A., Şener H., Akgür S. A., Aslan R., Avcı Akca A., Gören İ. E., Project Supported by Higher Education Institutions, Kurutulmuş Tükürük Örneklerinde Yasa Dışı Maddeler ve Alkol Biyobelirteci PEth Tayini İçin Yöntem Geliştirilmesi ve Gerçek Örneklerle Uygulanması, 2024 - 2025

Dağlıoğlu N., Gören İ. E., Atasoy Aydın A., Project Supported by Higher Education Institutions, Atık Su Epidemiyolojisi kullanılarak Atık Sularda ve Nehirlerde Nöropsikiyatrik İlaçların Tespiti ve Sağlık/Çevresel Risk Değerlendirilmesinin Yapılması, 2023 - 2025

Atasoy Aydın A., Gören İ. E., Efeoğlu Özşeker P., Dağlıoğlu N., Project Supported by Higher Education Institutions, Trafikte randomize olarak seçilen sürücülerin tükürük örneklerinde psikoaktif maddelerin LC-MS/MS metodu ile belirlenmesi, 2021 - 2023

Scientific Refereeing

THE SCIENCE OF THE TOTAL ENVIRONMENT AN INTERNATIONAL JOURNAL FOR SCIENTIFIC RESEARCH INTO THE ENVIRONMENT AND ITS RELATIONSHIP WITH MAN, SCI Journal, January 2024

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