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Publons / Web Of Science ResearcherID: AAH-5120-2021

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Research Areas

Medicine, Veterinary Pharmacology and Toxicology, Fundamental Medical Sciences

Academic Titles / Tasks

Research Assistant, Ankara University, Kök Hücre Enstitüsü, Kök Hücre ve Yenileyici Tıp Anabilim Dalı, 2023 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Nanoplastics: Immune Impact, Detection, and Internalization after Human Blood Exposure by Single-Cell Mass Cytometry.**
Fusco L., Gazzi A., Giro L., Schefer R. B., D'Almeida S. M., Cagliani R., Zoccheddu M., Uyar R., Besbinar Ö., Çelik D., et al.
Advanced materials (Deerfield Beach, Fla.), no.2413413, 2024 (SCI-Expanded)
- II. **Transcriptomic evaluation of metals detected in placenta**
Uyar R., Filazi A., Yurdakök Dikmen B., Özdağ Sevgili H.
Chemosphere, vol.363, 2024 (SCI-Expanded)
- III. **Effects of DDT and DDE on placental cholinergic receptors**
UYAR R., Turgut Y., ÇELİK H. H., ÜNAL M. A., Kuzukiran O., Ozyuncu O., CEYLAN A., Cinar O. O., Boztepe U. G., Ozdag H., et al.
REPRODUCTIVE TOXICOLOGY, vol.126, 2024 (SCI-Expanded)
- IV. **Spatial transcriptomics reveals the interplay between cancer and immune cells directed by MXene quantum dots**
CEYLAN A., UYAR R., Çelik D., Rafieerad A., Çinar Ö., Summak G. Y., Gurcan C., Giro L., Khoueiry R., TÜRKTAŞ M., et al.
Nano Today, vol.56, 2024 (SCI-Expanded)
- V. **Anti-Inflammatory Activities of Novel Chalcone Derivatives**
Yalçın E., Sevin S., Uyar R., Ayaz F.
Russian Journal of Bioorganic Chemistry, vol.50, no.2, pp.432-443, 2024 (SCI-Expanded)
- VI. **Biosensors for stem cell-based applications: Current trends and future prospects**
Arif T., BİLGE YÜCEL S., UYAR R., ÖZÇELİKAY AKYILDIZ G., Summak G. Y., ÜNAL M. A., YILMAZER AKTUNA A.,

ÖZKAN S. A.

Microchemical Journal, vol.198, 2024 (SCI-Expanded)

- VII. **Early cancer detection based on exosome biosensors in biological samples**
UYAR R., ÖZÇELİKAY AKYILDIZ G., Kaya S. İ., BEREKETOĞLU NERGİS S., Beşbinar Ö., ÜNAL M. A., YILMAZER AKTUNA A., ÖZKAN S. A.
Sensors and Actuators B: Chemical, vol.400, 2024 (SCI-Expanded)
- VIII. **Electrospun hesperidin nanofibers induce a cytoprotective effect on sodium-fluoride induced oxidative stress in vitro**
Birer M., KARA A., YURDAKÖK DİKMEN B., UYAR R., Aralan G., Birer Y. T., FİLAZİ A., Acartürk F.
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.92, 2024 (SCI-Expanded)
- IX. **Oral fast-dissolving risperidone loaded electrospun nanofiber drug delivery systems for antipsychotic therapy**
Turanlı Y., Birer M., Birer Y. T., UYAR R., Dikmen B. Y., Acartürk F.
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.92, 2024 (SCI-Expanded)
- X. **Design, synthesis, and assessment of pharmacological properties of indole-based fluorinated chalcones and their benzenesulfonamide analogs**
YAMALI C., SEVİN S., NENNİ M., Tugrak Sakarya M., Uyar R., AYGÜL A., Ulger M., İlhan R., LEVENT S., GÜL H. İ.
Chemical Papers, vol.77, no.12, pp.7903-7918, 2023 (SCI-Expanded)
- XI. **Silk fibroin nanoparticles and β -tricalcium phosphate loaded tissue engineered gelatin bone scaffolds: A Nature-based, low-cost solution**
Yıldız A., Birer M., Turgut Birer Y., Uyar R., Yurdakök Dikmen B., Acartürk F.
Journal of Biomaterials Applications, vol.38, no.5, pp.646-661, 2023 (SCI-Expanded)
- XII. **Apis mellifera anatoliaca Venom Exerted Anti-Inflammatory Activity on LPS-Stimulated Mammalian Macrophages by Reducing the Production of the Inflammatory Cytokines**
SEVİN S., Kivrak İ., Tutun H., Uyar R., Ayaz F.
Applied Biochemistry and Biotechnology, vol.195, no.5, pp.3194-3205, 2023 (SCI-Expanded)
- XIII. **Live in same region, respond differently: Canine and human response to pollutants in placental accumulation**
YURDAKÖK DİKMEN B., Kuzukiran O., Uyar R., Boztepe U. G., ÇELİK H. T., ÖZYÜNCÜ Ö., Turgut Y., KANCA H., Karakas-Alkan K., FİLAZİ A.
CHEMOSPHERE, vol.301, 2022 (SCI-Expanded)
- XIV. **Diethylhexyl Phthalate and Bisphenol A Promote Vincristine and Tamoxifen Resistance in Vitro**
Uyar R., YURDAKÖK DİKMEN B., Turgut Y., FİLAZİ A.
Chemical Research in Toxicology, vol.35, pp.538-546, 2022 (SCI-Expanded)
- XV. **Effects of electrospun fiber curcumin on bisphenol A exposed Caco-2 cells**
Turgut Y., YURDAKÖK DİKMEN B., Uyar R., BİRER M., FİLAZİ A., ACARTÜRK F.
DRUG AND CHEMICAL TOXICOLOGY, vol.45, no.6, pp.2613-2625, 2022 (SCI-Expanded)
- XVI. **In vitro effects of selected endocrine disruptors (DEHP, PCB118, BPA) on narrow-clawed crayfish (Astacus leptodactylus) primary cells**
Yurdakök-Dikmen B., Turgut Y., Gunal A. C., Uyar R., Kuzukiran O., Filazi A., Erkoç F.
In Vitro Cellular and Developmental Biology - Animal, vol.56, no.9, pp.783-791, 2020 (SCI-Expanded)
- XVII. **Sub-lethal toxicities of zinc pyrithione, copper pyrithione alone and in combination to the indicator mussel species Unio crassus Philipsson, 1788 (Bivalvia, Unionidae)**
Tresnakova N., GÜNAL A. Ç., KANKILIÇ G. B., Pacal E., Tavsanoglu U. N., Uyar R., Erkoç F.
CHEMISTRY AND ECOLOGY, vol.36, no.4, pp.292-308, 2020 (SCI-Expanded)

Articles Published in Other Journals

- I. **Türkiye ve Dünyada Yasal Mevzuat ve Nanomateryallerin Sağlık Alanında Kullanımının Geleceği**
Yurdakök Dikmen B., Birer M., Uyar R.

Türkiye klinikleri veteriner bilimleri (online), no.1, pp.78-86, 2022 (Peer-Reviewed Journal)

II. ENVIRONMENTAL CONTAMINANTS AND PLACENTAL TRANSPORTERS: EXAMPLE of PCB EXPOSURE and SLC AND ABCB1 EXPRESSION

YURDAKÖK DİKMEN B., UYAR R., KUZUKIRAN Ö., ÜNAL M. A., ÇELİK H. T., Boztepe Ü. G., KARAKAŞ ALKAN K., ÖZYÜNCÜ Ö., Turgut Y., ÖZDAĞ SEVGİLİ H., et al.

E - Balıkesir Sağlık Bilimleri Dergisi (BSBD), 2022 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Unveiling Theranostic Potential: Exosome Camouflage With Cu-Doped Carbon Dots For Glioblastoma Treatment**
çelik d., Beşbinar Ö., kirbas çilingir e., UYAR R., YILMAZER AKTUNA A.
2024 IEEE 14 International Conference "Nanomaterials: Applications & Properties" (NAP-2024), Riga, Latvia, 8 - 13 September 2024
- II. **Assessment of MXene Quantum Dot Influence on Tumor Microenvironment Through Spatial Transcriptomics**
çelik d., CEYLAN A., Gogotsi Y., Delogu L., Dhingra S., YILMAZER AKTUNA A., UYAR R.
2024 IEEE 14 International Conference "Nanomaterials: Applications & Properties" (NAP-2024), Riga, Latvia, 08 September 2024
- III. **Evaluation of the cytotoxicity and in vitro TNF- α silencing efficiency of the mesalazine and TNF- α siRNA loaded 3D bioprinted hydrogels**
Yıldız A., Mutlu Ağardan N. B., Uyar R., Yurdakök Dikmen B., Acartürk F.
21st International Pharmaceutical Technology Symposium, Ankara, Turkey, 9 - 11 September 2024, pp.70-71
- IV. **Mxenes to Label and Track Mesenchymal Stem Cells**
UYAR R., ÜNAL M. A., YILMAZER AKTUNA A.
MXenes: Changing the World, the 3rd International MXene Conference, Drexel, United States Of America, 7 - 09 August 2024
- V. **Mo₂Ti₂C₃ MXenes as combinatorial nanoplatforms for cancer therapy**
UYAR R., CEYLAN A., YILMAZER AKTUNA A.
MXenes: Changing the World, the 3rd International MXene Conference, Drexel, United States Of America, 5 - 07 August 2024
- VI. **Spatial Transcriptomic Evaluation of The Effect of MXene Quantum Dots On Tumor Microenvironment**
UYAR R., YILMAZER AKTUNA A.
24th IEEE International Conference on Nanotechnology, Gijon, Spain, 8 - 11 July 2024
- VII. **Undelying miRNA profile of Carbon Dot loaded exosome-induced PDT**
Beşbinar Ö., UYAR R., YILMAZER AKTUNA A.
24th IEEE International Conference on Nanotechnology, Gijon, Spain, 8 - 11 July 2024
- VIII. **INVESTIGATION OF THE MECHANISM OF TRANSGENIC SALMONELLA IMMUNOTOXIN ANTI-CANCER EFFICIENCY ON HUMAN MAMMARY TUMOR**
Kayabaşı S. B., ANTEPLİOĞLU T., KUL O., YURDAKÖK DİKMEN B., AKCA G., FİLAZİ A., UYAR R.
11TH INTERNATIONAL CONGRESS ON MEDICINE, NURSING, AND HEALTH SCIENCES, İzmir, Turkey, 25 November 2023, pp.109-121
- IX. **Çevresel Kirleticiler ve Plasental Transporterlar: PCB ile SLC ve ABCB1 Örneği**
YURDAKÖK DİKMEN B., UYAR R., KUZUKIRAN Ö., ÜNAL M. A., ÇELİK H. T., boztepe ü. g., KARAKAŞ ALKAN K., ÖZYÜNCÜ Ö., turgut y., ÖZDAĞ SEVGİLİ H., et al.
II. Uluslararası VII. Ulusal Veteriner Farmakoloji ve Toksikoloji Kongresi, Balıkesir, Turkey, 7 - 10 September 2022
- X. **In-vitro, Ex-vivo and Cytotoxicity Evaluation of Hydrocortisone Loaded Nanofiber for Colon Targeting**
, Yurdakök Dikmen B., Uyar R., Saar S.

FIGON DMD & EUFEPS Annual Meeting 2022, Leiden, Netherlands, 1 - 03 June 2022, pp.17

XI. Response of MCF7 cells to Vincristine in presence of BPA and DEHP

Uyar R., Yurdakok-Dikmen B., Turgut Y., Filazi A.

55th Congress of the European-Societies-of-Toxicology (EUROTOX) - Toxicology - Science Providing Solutions, Helsinki, Finland, 8 - 11 September 2019

XII. Effects of electrospun nanofiber curcumin on bisphenol A exposed Caco-2 cells

Turgut Y., Yurdakok-Dikmen B., Uyar R., BİRER M., Acarturk F., Filazi A.

55th Congress of the European-Societies-of-Toxicology (EUROTOX) - Toxicology - Science Providing Solutions, Helsinki, Finland, 8 - 11 September 2019

Supported Projects

Uyar R., Yurdakök Dikmen B., Kul O., Anteplioğlu T., Project Supported by Higher Education Institutions, Transgenik Salmonella Immunitoksininin İnsan Meme Tümörü Üzerinde Antikanser Etkinliği Mekanizmasının Araştırılması, 2024 - 2026

Uyar R., Yılmaz Aktuna A., Ünal M. A., GÖKÇE C., Project Supported by Higher Education Institutions, İnsan uyarılmış pluripotent kök hücre tabanlı kan beyin bariyeri modeli elde edilmesi, 2024 - 2026

Uyar R., Yılmaz Aktuna A., Ünal M. A., Project Supported by Higher Education Institutions, Nanomalzeme Yüklü Kök Hücre Kaynaklı Eksozomların miRNA Profilleri, 2024 - 2026

Yurdakök Dikmen B., Filazi A., Kuzukıran Ö., Çelik H. T., Çelik M., Mutlu A., Yardımcı Lokmanoğlu B. N., Uyar R., Ünal M. A., TÜBİTAK International Bilateral Joint Cooperation Program Project, Placental Epigenetic Changes and Early Childhood Developmental Process: An Insight with Environmental Pollutants. Placental Epigenetik Değişiklikler Ve Yenidoğan Gelişimi: Çevresel Kirleticilere İlişkin Bir Bakış. TÜBİTAK-Fransa İkili İşbirliği, 2023 - 2024

Yurdakök Dikmen B., TUBİTAK Project, Çevresel Kirleticiler ve Placental Transport Proteinler, 2019 - 2023

Scientific Research / Working Group Memberships

Yılmaz Lab, Ankara University, Turkey, <https://tr.yilmazerlab.com/>, 2022 - Continues

Metrics

Publication: 34

Citation (WoS): 27

Citation (Scopus): 49

H-Index (WoS): 3

H-Index (Scopus): 5

Congress and Symposium Activities

MXenes: Changing the World, the 3rd International MXene Conference, Attendee, New York, United States Of America, 2024

IEEE NANO 2024, Attendee, Gijon, Spain, 2024