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International Researcher IDs

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Education Information

Doctorate, Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, Turkey 2016 -
Continues

Postgraduate, Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, Turkey 2011 - 2014

Undergraduate, Middle East Technical University, Faculty of Arts and Sciences, Moleküler Biyoloji Ve Genetik Bölümü,
Turkey 2007 - 2011

Dissertations

Postgraduate, Synthesis and characterization of polyethylene glycol coated magnetic nanoparticles and their use for anti-cancer drug delivery, Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, 2014

Academic Titles / Tasks

Research Assistant, Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, 2014 -
Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Thiophene BODIPY-substituted cyclotriphosphazene-derived photosensitizers for photodynamic therapy applications**
YILDIZ GÜL E., ERDEM M., Kazan H. H., TANRIVERDİ EÇİK E.
New Journal of Chemistry, vol.47, no.37, pp.17469-17480, 2023 (SCI-Expanded)
- II. **Folic acid-conjugated polyethylene glycol-coated magnetic nanoparticles for doxorubicin delivery in cancer chemotherapy: Preparation, characterization and cytotoxicity on HeLa cell line**
ERDEM M., Yalcin S., GÜNDÜZ U.
HUMAN & EXPERIMENTAL TOXICOLOGY, vol.36, no.8, pp.833-845, 2017 (SCI-Expanded)
- III. **Characterization of the distribution of rotational torque on electrorotation chips with 3D electrodes**
Bahrieh G., Ozgur E., Koyuncuoglu A., ERDEM M., GÜNDÜZ U., KÜLAH H.
ELECTROPHORESIS, vol.36, no.15, pp.1785-1794, 2015 (SCI-Expanded)
- IV. **Label-free detection of multidrug resistance in K562 cells through isolated 3D-electrode**

dielectrophoresis

Demircan Y., Koyuncuoglu A., ERDEM M., Ozgur E., GÜNDÜZ U., KÜLAH H.
ELECTROPHORESIS, vol.36, pp.1149-1157, 2015 (SCI-Expanded)

- V. **Assessment of effects of multi drug resistance on dielectric properties of K562 leukemic cells using electrorotation**

Bahrieh G., ERDEM M., Ozgur E., GÜNDÜZ U., KÜLAH H.
RSC ADVANCES, vol.4, no.85, pp.44879-44887, 2014 (SCI-Expanded)

Articles Published in Other Journals

- I. **Clinical Validation and Evaluation of a Colorimetric SARS-CoV-2 RT-LAMP Assay Against RT-PCR**
ERDEM M., Andac A., Özketen A. Ç., Karahan G., Tozluuyurt A., Palaz F., ALP A., ÜNAL S.
Infectious diseases and clinical microbiology (Online), vol.5, no.2, pp.136-143, 2023 (Peer-Reviewed Journal)
- II. **HNRNPA1 (Heterogeneous nuclear ribonucleoprotein A1)**
ERDEM M., ÖZGÜL İ., Erson-Bensan A. E.
Atlas of Genetics and Cytogenetics in Oncology and Haematology, vol.23, no.6, pp.137-142, 2019 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **APA isoform diversity in triple negative breast cancers**
AKMAN TUNCER H. B., ÖYKEN M., AĞUŞ H. H., ERDEM M., YAVUZ E., CAN T., ERSON BENAN A. E.
AACR Annual Meeting, USA, Washington, United States Of America, 1 - 05 April 2017, vol.77, pp.3374
- II. **LABEL-FREE DETECTION OF LEUKEMIA CELLS WITH A LAB-ON-A-CHIP SYSTEM INTEGRATING DIELECTROPHORESIS AND CMOS IMAGING**
Demircan Y., Orguc S., Musayev J., Ozgur E., ERDEM M., GÜNDÜZ U., Eminoglu S., KÜLAH H., AKIN T.
18th International Conference on Solid-State Sensors, Actuators and Microsystems (TRANSDUCERS), Alaska,
United States Of America, 21 - 25 June 2015, pp.1589-1592
- III. **Synthesis and Characterization of Polyethylene Glycol Coated Magnetic Nanoparticles and Their use for Anti cancer Drug Delivery**
ERDEM M., YALÇIN AZARKAN S., Çağrı U. M., GÜNDÜZ U.
EACR - The European cancer Organization ; Anticancer Drug Action and Drug Resistance: from Cancer Biology to the Clinic, Floransa, Italy, 20 - 23 June 2015, pp.126-127
- IV. **DETERMINATION OF MULTIDRUG RESISTANCE LEVEL IN K562 LEUKEMIA CELLS BY 3D-ELECTRODE CONTACTLESS DIELECTROPHORESIS**
Demircan Y., ERDEM M., Ozgur E., GÜNDÜZ U., KÜLAH H.
27th IEEE International Conference on Micro Electro Mechanical Systems (MEMS), San-Francisco, Costa Rica, 26 - 30 January 2014, pp.837-840
- V. **Detection of imatinib resistance in K562 leukemia cells by 3D-electrode contactless dielectrophoresis**
Demircan Y., Koyuncuoglu A., ERDEM M., Ozgur E., GÜNDÜZ U., KÜLAH H.
2013 17th International Conference on Solid-State Sensors, Actuators and Microsystems, TRANSDUCERS and EUROSENSORS 2013, Barcelona, Spain, 16 - 20 June 2013, pp.2086-2089
- VI. **Dielectric Characterization of Imatinib Resistant K562 Leukemia Cells through Electrorotation with 3-D Electrodes**
Bahrieh G., Koydemir H. C., ERDEM M., Ozgur E., GÜNDÜZ U., KÜLAH H.
12th IEEE Sensors Conference, Maryland, United States Of America, 3 - 06 November 2013, pp.1026-1029
- VII. **Dielectric Analysis of Changes in Electric Properties of Doxorubicin Resistant K562 Leukemic Cells Through Electrorotation with 3 D Electrodes**
Garsha B., Erdem M., Özgür E., Gündüz U., Külah H.

Supported Projects

GÜNDÜZ U., ÖZEN C., ERDEM M., Project Supported by Higher Education Institutions, Potasyum Kanal Proteini İfade Eden Kanser Hücrelerin Belirlenmesi Ve Karibdotoksinin Kanser Hücreleri Üzerindeki Sitotoksik Etkisi, 2015 - 2015

Metrics

Publication: 16

Citation (WoS): 53

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H-Index (WoS): 4

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