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### Education Information

Doctorate, Istanbul University, Health Sciences Institute, Turkey 2015 - 2020

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Comparison of Selenic Acid and Pyruvic Acid-Loaded Silver Nanocarriers Impact on Colorectal Cancer Viability**  
Erdemir G., DANIŞMAN KALINDEMİRTAŞ F., KARİPER İ. A., Kuruca D. S., Özerkan D.  
Journal of Fluorescence, vol.34, no.3, pp.1025-1037, 2024 (SCI-Expanded)
- II. **Enhancement of cytotoxic and apoptotic activity through oolong tea extract-mediated CuO/Cu<sub>2</sub>O nanoparticles**  
Karakuş E. E., Sert E., Erol A., Kalindemirtaş F., ÖZBAŞ F., KARAKUŞ S.  
Journal of Drug Delivery Science and Technology, vol.94, 2024 (SCI-Expanded)
- III. **Antiproliferative effects of 5FU-AgNPs on different breast cancer cells**  
DANIŞMAN KALINDEMİRTAŞ F., KARİPER İ. A., ÜSTÜNDAĞ H., ÖZSOY C., Erdem-Kuruca S.  
Journal of Taibah University for Science, vol.18, no.1, 2024 (SCI-Expanded)
- IV. **Enhanced efficacy of resveratrol-loaded silver nanoparticle in attenuating sepsis-induced acute liver injury: Modulation of inflammation, oxidative stress, and SIRT1 activation**  
Üstündağ H., Danışman Kalindemirtaş F., Doğanay S., Demir Ö., Kurt N., Tahir Huyut M. T., Özgeriş B., Kariper İ. A.  
Shock, vol.60, no.5, pp.688-697, 2023 (SCI-Expanded)
- V. **A new treatment approach: Melatonin and ascorbic acid synergy shields against sepsis-induced heart and kidney damage in male rats**  
Üstündağ H., Doğanay S., Huyut M. T., Kurt N., Demir Ö., Özgeriş F. B., Akbaba Ö., Kalindemirtaş F.  
Life Sciences, vol.329, 2023 (SCI-Expanded)
- VI. **Synthesis and Anticancerogenic Effect of New Generation Ruthenium-Based Nanoparticle from Homalothecium sericeum with Eco-Friendly Method**  
Samir N., Özerkan D., DANIŞMAN KALINDEMİRTAŞ F., KARİPER İ. A., Bulut H., Kuruca D. S., Altuner E. M., Ulukaya E.  
Journal of Pharmaceutical Innovation, vol.18, no.2, pp.756-767, 2023 (SCI-Expanded)
- VII. **The Novel 5-Fluorouracil Loaded Ruthenium-based Nanocarriers Enhanced Anticancer and Apoptotic Efficiency while Reducing Multidrug Resistance in Colorectal Cancer Cells**  
DANIŞMAN KALINDEMİRTAŞ F., Özerkan D., KARİPER İ. A., Bulut H.

Journal of Fluorescence, vol.33, no.3, pp.1227-1236, 2023 (SCI-Expanded)

- VIII. **Effective drug combinations of betulinic acid and ceranib-2 loaded Zn:MnO<sub>2</sub> doped-polymeric nanocarriers against PC-3 prostate cancer cells**  
TAN E., Danişman-Kalindemirtaş F., KARAKUŞ S.  
Colloids and Surfaces B: Biointerfaces, vol.225, 2023 (SCI-Expanded)
- IX. **DNA groove binder and significant cytotoxic activity on human colon cancer cells: Potential of a dimeric zinc (II) phthalocyanine derivative**  
Batibay G. S., KESER KARAOĞLAN G., GÜMRÜKÇÜ KÖSE G., ÖZÇELİK KAZANCIOĞLU E., Metin E., DANIŞMAN KALINDEMİRİTAŞ F., Erdem Kuruca S., ARSU N.  
Biophysical Chemistry, vol.295, 2023 (SCI-Expanded)
- X. **Anticancer drug doxorubicin (DOX) loading performance of functionalized polyaniline (PANI) surface with active carbon**  
CAN M. M., Shawuti S., Kalindemirtaş F., Erdemir G., Kuruca D. S., Kaneko S., Aktas Z., Oncul O.  
Journal of Materials Science, vol.58, no.11, pp.4726-4738, 2023 (SCI-Expanded)
- XI. **Potential multifaceted applications of cisplatin-loaded Camellia sinensis extract/CuO nanoparticles in cytotoxic and apoptotic effects**  
DANIŞMAN KALINDEMİRİTAŞ F., Sert E., TAN E., AKYÜZ E., KARAKUŞ S.  
Biomass Conversion and Biorefinery, 2023 (SCI-Expanded)
- XII. **Propolis nanoparticles synthesis and characterization with cytotoxic and apoptotic effects on breast cancer cells**  
Ay E. N., Caner A., Özsoy Hepokur C., DANIŞMAN KALINDEMİRİTAŞ F., Özen Eroğlu G., KARİPER İ. A.  
Journal of Taibah University for Science, vol.17, no.1, 2023 (SCI-Expanded)
- XIII. **Evaluation of anticancer effects of carboplatin-gelatin nanoparticles in different sizes synthesized with newly self-assembly method by exposure to IR light**  
DANIŞMAN KALINDEMİRİTAŞ F., KARİPER İ. A., Erdemir G., Sert E., Erdem-Kuruca S.  
Scientific Reports, vol.12, no.1, 2022 (SCI-Expanded)
- XIV. **The evaluation of anticancer activity by synthesizing 5FU loaded albumin nanoparticles by exposure to UV light**  
Kalindemirtaş F., KARİPER İ. A., Sert E., Okşak N., Kuruca S. E.  
Toxicology in Vitro, vol.84, 2022 (SCI-Expanded)
- XV. **Kappa Carrageenan/PEG-halloysite nanocomposites: Surface characterization with an artificial intelligence technique, antimicrobial, and anticancer properties**  
Karahan G., TAN E., DANIŞMAN KALINDEMİRİTAŞ F., Erdem-Kuruca S., KARAKUŞ S.  
Journal of Drug Delivery Science and Technology, vol.75, 2022 (SCI-Expanded)
- XVI. **New oxovanadium(IV) complexes overcame drug resistance and increased in vitro cytotoxicity by an apoptotic pathway in breast cancer cells**  
Kalindemirtaş F., KAYA B., Sert E., Şahin O., Kuruca S. E., ÜLKÜSEVEN B.  
Chemico-Biological Interactions, vol.363, 2022 (SCI-Expanded)
- XVII. **Kappa carrageenan/PEG-CuO nanoparticles as a multifunctional nanoplatform: digital colorimetric biosensor and anticancer drug nanocarrier**  
Karabatak A., DANIŞMAN KALINDEMİRİTAŞ F., TAN E., Erdem-Kuruca S., KARAKUŞ S.  
Applied Physics A: Materials Science and Processing, vol.128, no.8, 2022 (SCI-Expanded)
- XVIII. **Preparation and biological evaluation of novel 5-Fluorouracil and Carmofur loaded polyethylene glycol / rosin ester nanocarriers as potential anticancer agents and ceramidase inhibitors**  
Danişman-Kalindemirtaş F., Birman H., KARAKUŞ S., Kilislioğlu A., Erdem-Kuruca S.  
Journal of Drug Delivery Science and Technology, vol.73, 2022 (SCI-Expanded)
- XIX. **New thiosemicarbazone-based Zinc(II) complexes. In vitro cytotoxicity competing with cisplatin on malignant melanoma A375 cells and its relation to neuraminidase inhibition**  
KAYA B., Kalindemirtaş F., Ertik O., YANARDAĞ R., Kuruca S. E., ÜLKÜSEVEN B.  
Chemico-Biological Interactions, vol.351, 2022 (SCI-Expanded)
- XX. **Selective Cytotoxic Effects of 5-Trifluoromethoxy-1H-indole-2,3-dione 3-Thiosemi-carbazone**

### Derivatives on Lymphoid-originated Cells

Danişman-Kalındemirtaş F., Erdem-Kuruca S., Akgün-Dar K., Karakaş Z., SOYLU ETER Ö., KARALI N. L.  
Anti-Cancer Agents in Medicinal Chemistry, vol.22, no.2, pp.349-355, 2022 (SCI-Expanded)

- XXI. **Oxovanadium(IV) complexes with tetradentate thiosemicarbazones. Synthesis, characterization, anticancer enzyme inhibition and in vitro cytotoxicity on breast cancer cells**  
Ertik O., Danişman Kalındemirtaş F., KAYA B., YANARDAĞ R., Erdem Kuruca S., Şahin O., ÜLKÜSEVEN B.  
Polyhedron, vol.202, 2021 (SCI-Expanded)
- XXII. **Iron(III) complexes based on tetradentate thiosemicarbazones: Synthesis, characterization, radical scavenging activity and in vitro cytotoxicity on K562, P3HR1 and JURKAT cells**  
Kalındemirtaş F., KAYA B., BENER M., Şahin O., Kuruca S. E., BAL DEMİRCİ T., ÜLKÜSEVEN B.  
Applied Organometallic Chemistry, vol.35, no.4, 2021 (SCI-Expanded)
- XXIII. **Selective cytotoxicity of paclitaxel bonded silver nanoparticle on different cancer cells**  
Danişman-Kalındemirtaş F., KARİPER İ. A., Hepokur C., Erdem-Kuruca S.  
Journal of Drug Delivery Science and Technology, vol.61, 2021 (SCI-Expanded)
- XXIV. **The interaction of light-activatable 2-thioxanthone thioacetic acid with ct-DNA and its cytotoxic activity: Novel theranostic agent**  
ATACI N., ÖZÇELİK KAZANCIOĞLU E., Kalındemirtaş F., KURUCA D. S., ARSU N.  
Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, vol.239, 2020 (SCI-Expanded)
- XXV. **Cytotoxic effects of some flavonoids and imatinib on the K562 chronic myeloid leukemia cell line: Data analysis using the combination index method**  
Danişman Kalındemirtaş F., Birman H., Candöken E., BİLGİÇ GAZİOĞLU S., MELİKOĞLU G., Kuruca S.  
Balkan Medical Journal, vol.36, no.2, pp.96-105, 2019 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Cytotoxic Effects of Cisplatin and Carboplatin Loaded Albumin Nanoparticles on Breast Cancer Cells**  
DANIŞMAN KALINDEMİRTAŞ F., KARİPER İ. A.  
Online Türk Sağlık Bilimleri Dergisi, vol.8, no.1, pp.115-121, 2023 (Peer-Reviewed Journal)
- II. **HCT116 ve HT29 Kolon Kanseri Hücrelerinde 5-Florourasil Kaynaklı Hücre Ölümünün Fourier Dönüşümlü Kızılötesi Spektroskopisi ile İncelenmesi**  
ÖZERKAN D., DANIŞMAN KALINDEMİRTAŞ F., TÜZEMEN N.  
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.11, no.1, pp.524-535, 2023 (Peer-Reviewed Journal)
- III. **Cytotoxic and Apoptotic Effects of Carmofur and Vitamin C Combination on HCT116 Colon Cancer Cells**  
DANIŞMAN KALINDEMİRTAŞ F.  
Experimed, vol.12, no.1, pp.6-11, 2022 (Scopus)
- IV. **A new method for synthesis of carbon nanoparticle and its applications**  
KARİPER İ. A., Hepokur C., DANIŞMAN KALINDEMİRTAŞ F., Kuruca S. E.  
Journal of Taibah University for Science, vol.16, no.1, pp.966-975, 2022 (Scopus)

### Books & Book Chapters

- I. **Kan Fizyolojisi**  
ÜSTÜNDAĞ H., DANIŞMAN KALINDEMİRTAŞ F.  
in: SAĞLIK BİLİMLERİNDE FİZYOLOJİ Ders Kitabı, Dr. Öğr. Üyesi Gülnihal Deniz, Doç. Dr. Sermin Algül, Editor,  
Nobel Tıp Kitabevleri, pp.41-56, 2022

### Refereed Congress / Symposium Publications in Proceedings

- I. **ANALYSIS OF PACLITAXEL EFFECT IN BREAST CANCER CELLS BY FTIR SPECTROSCOPY**  
DANIŞMAN KALINDEMİRTAŞ F.  
10. INTERNATIONAL GEVHER NESİBE MEDICAL SCIENCES CONFERENCE, Ankara, Turkey, 3 - 05 February 2023, pp.183-184
- II. **Neuraminidase, Urease and Xanthine Oxidase Inhibitory Activities of Some Oxovanadium (IV) Complexes**  
ERTİK O., KAYA B., DANIŞMAN KALINDEMİRTAŞ F., KURUCA D. S., ÜLKÜSEVEN B., YANARDAĞ R.  
4th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2021), Ankara, Turkey, 24 - 26 November 2021, pp.1114
- III. **CD44 AND CD24 STEM CELL MARKERS IN AGS GASTRIC CANCER CELLS AFTER 5FU TREATMENT**  
DANIŞMAN KALINDEMİRTAŞ F.  
3rd INTERNATIONAL 5 OCAK CONGRESS ON APPLIED SCIENCES, Adana, Turkey, 4 - 05 January 2022, pp.139-140
- IV. **Preparation of Drug Loaded Polymeric Nanoparticles as Ceramidase Inhibitor**  
DANIŞMAN KALINDEMİRTAŞ F., BİRMAN H., İLGAR M., TAN E., KARAKUŞ S., KİLİSLİOĞLU A., KURUCA D. S.  
Uluslararası İVEK Bio Kongresi, İstanbul, Turkey, 26 - 28 November 2018
- V. **Cytotoxic Effect of Vanadium Complexes that has Elastase Enzyme Inhibitor Activity On Breast Cancer Cells**  
DANIŞMAN KALINDEMİRTAŞ F., KURUCA D. S., KAYA B., YANARDAĞ R., ERTİK O., ÜLKÜSEVEN B.  
1 st International Symposium on Graduate Research in Science Focus on Entrepreneurship and Innovation (ISGRS 2018), Turkey, 4 - 06 October 2018
- VI. **İnsan lökemi hücreleri K562 ve HL60 hücre serilerinde bazı flavonoid bileşiklerinin sitotoksik etkilerinin karşılaştırılması**  
DANIŞMAN F., BİRMAN H., Çandöken E., KURUCA D. S., MELİKOĞLU G., ALBENİZ I.  
42. Ulusal Fizyoloji Kongresi, Turkey, 05 September 2016 - 08 September 2018, vol.218, pp.61
- VII. **Endokrin Bozucu Bileşiklerin Gebelik döneminde Fötal Gelişim Üzerindeki Etkileri**  
ALBENİZ I., ÇELİKOK Y., DANIŞMAN F., TÜRKER ŞENER L., Ahbab M., Albeniz G., Albeniz G., Albeniz G.  
42. Ulusal Fizyoloji Kongresi, Turkey, 5 - 08 September 2016, pp.79
- VIII. **Cytotoxic effects of flavonoids combined with imatinib on human chronic myeloid leucemia cell lines**  
BİRMAN H., DANIŞMAN F., Eda Ç., KURUCA D. S., MELİKOĞLU G.  
The Joint Meeting of the Federation of European Physiological Societies and the Baltic Physiological Societies in Kaunas, Lithuania, 26 - 29 August 2015, pp.124
- IX. **Investigation of Apoptotic Effects of some Flavonoids on Human Chronic Myeloid Leukemia Cell Lines**  
DANIŞMAN F., BİRMAN H., candöken e., KURUCA D. S., MELİKOĞLU G., PURİSA S., ÇORAPCI B., KÖSTEKLİ B., KÖKLÜ R.  
41.Ulusal fizyoloji Kongresi, Çanakkale, Turkey, 9 - 14 September 2015, pp.78-79
- X. **Investigation of DNA Damage using the Comet Assay**  
TÜRKER ŞENER L., BİRMAN H., ALBENİZ I., DANIŞMAN F.  
41. Ulusal Fizyoloji Kongresi, Çanakkale, Turkey, 9 - 13 September 2015, pp.79

## Patent

Ülküseven B., Yanardağ R., Kuruca D. S., Danişman Kalindemirtaş F., Ertik O., Kaya B., Antikanser Etkili Yeni Vanadyum Kompleksleri, Patent, CHAPTER A Human Needs, The Invention Registration Number: 2018/12471 , Standard Registration, 2022

## Metrics

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Citation (Scopus): 122

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