

# Prof. Dürdane Serap KURUCA

## Personal Information

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## International Researcher IDs

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Publons / Web Of Science ResearcherID: AAE-9691-2019

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## Education Information

Doctorate, Istanbul University, Istanbul Medical Faculty, Fizyoloji, Turkey 1982 - 1986

Undergraduate, Istanbul University, Faculty Of Science, Biyoloji, Turkey 1975 - 1980

## Foreign Languages

English, B2 Upper Intermediate

## Dissertations

Doctorate, Kemik iliğinde lenfopoeze etkili faktörler, Istanbul University, Istanbul Medical Faculty, Fizyoloji, 1986

## Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Human Physiology, Microbiology and Clinical Microbiology, Immunology, Internal Medicine Sciences, Child Health and Diseases, Pediatric Hematology, Pharmacology and Therapeutics, Professional Sciences, Pharmaceutical Toxicology, Pharmaceutics Technology, Pharmaceutical Biotechnology

## Academic Titles / Tasks

Professor, Istanbul University, Istanbul Medical Faculty, Basic Medical Sciences, 1996 - Continues

Associate Professor, Istanbul University, Istanbul Medical Faculty, Basic Medical Sciences, 1991 - 1996

## Courses

LABORATUAR ROTASYONU, Postgraduate, 2014 - 2015

FİZYOLOJİDE GÜNCEL KONULAR, Postgraduate, 2014 - 2015

İLERİ HÜCRE FİZYOLOJİSİ, Doctorate, 2014 - 2015

Fizyoloji, Undergraduate, 2000 - 2001

## Advising Theses

- Kuruca D. S., Monosit ve Lenfosit Hücreleriyle Oluşturulan in vitro Meme Kanseri Modelinde PD1, PDL1 İnhibisyonu ve İlaç Direnci ile İlişkinin İncelenmesi, Doctorate, G.Özen(Student), Continues
- Kuruca D. S., Mikrofluidik Sistemlerde Hematopoetik Kök Hücre İzolasyonu ve Karakterizasyonu, Doctorate, N.Okşak(Student), Continues
- Kuruca D. S., Sepsis hastalarının plazmaları ve sağlıklı bireylerin endotoksinle uyarılan supernatantlarının endotel hücre kültürü üzerine etkilerinin incelenmesi, Doctorate, A.BALAKISHIYEV(Student), Continues
- KURUCA D. S., Potansiyel bir antikanser ilacı olarak sentezlenen bazı tiyosemikarbazon türevlerinin farmakokinetik ve sitotoksik özelliklerinin incelenmesi, Doctorate, M.Süleymanoğlu(Student), 2014
- KURUCA D. S., Aloe vera (L.) Burm. fil. Lektini Üzerine Biyokimyasal Araştırmalar, Doctorate, E.Çandöken(Student), 2013
- Kuruca D. S., Çeşitli hematopoetik kaynaklardan çok küçük embriyonik kök hücrelerin (VSEL) elde edilmesi ve tanımlanması, Postgraduate, D.Damla(Student), 2012
- KURUCA D. S., Etanolle uyarılan invitro Kan Beyin Bariyerinde östrojenin etkisi, Postgraduate, S.Karadenizli(Student), 2009
- KURUCA D. S., Hematopoietik kök hücrelere kortikosteroidlerin apoptotik etkileri ve çeşitli sitokinlerle bu etkinin modülasyonu, Postgraduate, M.Beyza(Student), 2009
- KURUCA D. S., Beta talasemi majörlü hastalarda NK (natural killer ) aktivitesini etkileyen faktörlerin araştırılması, Doctorate, B.Atasever(Student), 2008
- KURUCA D. S., Talasemi hastalarının periferik lenfositlerinde hücrel immun fonksiyonların antioksidan maddelerle in vitro modülasyonu, Postgraduate, B.Atasever(Student), 2004
- KURUCA D. S., Kordon Kanı Mononükleer Hücrelerinin İn vitro Kültürlerde Proliferasyonu ve İmmünotipik Özelliklerinin İncelenmesi, Doctorate, F.Süzergez(Student), 2002
- KURUCA D. S., Fare ve insan stroma tabakaları üzerinde kültür yapılan akut lenfoblastik lösemi hücrelerinde CD44 ve CD49d ekspresyonundaki değişiklikler, Postgraduate, A.Hacıbektaşoğlu(Student), 2002
- KURUCA D. S., Nerium Oleander bitkisinden elde edilen ekstraktların antilösemik etkileri, Postgraduate, N.Turan(Student), 2002
- KURUCA D. S., Aerobik ve Anaerobik Akut Egzersizlerin İmmun Parametreler Üzerindeki Etkileri, Doctorate, M.Ünal(Student), 1998

## Jury Memberships

- Post Graduate, tez savunma, üniversite, December, 2014
- Associate Professor Exam, sözlü sınav, Selçuk üniversitesi, May, 2014
- Associate Professor Exam, yayın inceleme, Koç üniv., April, 2014
- Post Graduate, Fare ve insan stroma tabakaları üzerinde kültür yapılan akut lenfoblastik lösemi hücrelerinde CD44 ve CD49d ekspresyonundaki değişiklikler , İst.Tıp Fak., May, 2002
- Doctorate, Kordon Kanı Mononükleer Hücrelerinin in vitro Kültürlerde Proliferasyonu ve İmmünotipik Özelliklerinin İncelenmesi , İstanbul Tıp Fak., April, 2002
- Associate Professor Exam, yayın inceleme , Ankara Üniversitesi, May, 1997
- Post Graduate, . Aerobik ve Anaerobik Akut Egzersizlerin İmmun Parametreler Üzerindeki Etkileri, İstanbul Tıp Fak., April, 1994

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

1. Comparison of Selenic Acid and Pyruvic Acid-Loaded Silver Nanocarriers Impact on Colorectal

## **Cancer Viability**

Erdemir G., Danişman-Kalindemirtaş F., KARİPER İ. A., Kuruca D. S., Özerkan D.  
Journal of Fluorescence, vol.34, no.3, pp.1025-1037, 2024 (SCI-Expanded)

- II. **Antiproliferative effects of 5FU-AgNPs on different breast cancer cells**  
Danişman-Kalindemirtaş F., KARİPER İ. A., ÜSTÜNDAĞ H., ÖZSOY C., Erdem-Kuruca S.  
Journal of Taibah University for Science, vol.18, no.1, 2024 (SCI-Expanded)
- III. **Effects of temperature and pH on the synthesis of nanohydroxyapatite powders by chemical precipitation**  
Mahmutoglu G., Topsakal A., ALTAN E., KUŞKONMAZ N., DAĞLILAR S., Oktar F. N., Erdemir G., Kuruca S. E., AKYOL S., GÜNDÜZ O., et al.  
Journal of the Australian Ceramic Society, vol.59, no.5, pp.1433-1441, 2023 (SCI-Expanded)
- IV. **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 KALINDEMİRTAŞ F., Erdem Kuruca S., ARSU N.  
Biophysical Chemistry, vol.295, 2023 (SCI-Expanded)
- V. **Anticancer drug doxorubicin (DOX) loading performance of functionalized polyaniline (PANI) surface with active carbon**  
CAN M. M., Shawuti S., Kalindemirtaş F. D., 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)
- VI. **Vitamin D increases the efficacy of cisplatin on bladder cancer cell lines**  
Ozgen O., Eroglu G. O., Kucukhuseyin O., Akdeniz N., Özsoy C., Kuruca S., Yaylim I.  
MOLECULAR BIOLOGY REPORTS, vol.50, no.1, pp.697-706, 2023 (SCI-Expanded)
- VII. **The evaluation of anticancer activity by synthesizing 5FU loaded albumin nanoparticles by exposure to UV light**  
Kalindemirtaş F. D., KARİPER İ. A., Sert E., Okşak N., Kuruca S. E.  
Toxicology in Vitro, vol.84, 2022 (SCI-Expanded)
- VIII. **Poly(L-lactic acid)/poly(ethylene oxide) based composite electrospun fibers loaded with magnesium-aluminum layered double hydroxide nanoparticles**  
Ozturk E. A., Ege Z. R., Murat S., Erdemir G., Kuruca S., ERKMEN Z. E., Duygulu O., GÜNDÜZ O., ÇAYKARA T., EROĞLU M. S.  
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.217, pp.562-571, 2022 (SCI-Expanded)
- IX. **Kappa Carrageenan/PEG-halloysite nanocomposites: Surface characterization with an artificial intelligence technique, antimicrobial, and anticancer properties**  
Karahan G., TAN E., Danişman-Kalindemirtaş F., Erdem-Kuruca S., KARAKUŞ S.  
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.75, 2022 (SCI-Expanded)
- X. **New oxovanadium(IV) complexes overcame drug resistance and increased in vitro cytotoxicity by an apoptotic pathway in breast cancer cells**  
DANIŞMAN KALINDEMİRTAŞ F., Kaya B., Sert E., ŞAHİN O., Kuruca S. E., ÜLKÜSEVEN B.  
CHEMICO-BIOLOGICAL INTERACTIONS, vol.363, 2022 (SCI-Expanded)
- XI. **Kappa carrageenan/PEG-CuO nanoparticles as a multifunctional nanoplatform: digital colorimetric biosensor and anticancer drug nanocarrier**  
Karabatak A., DANIŞMAN KALINDEMİRTAŞ F., TAN E., Erdem-Kuruca S., KARAKUŞ S.  
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.128, no.8, 2022 (SCI-Expanded)
- XII. **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., Kilislioglu A., Erdem-Kuruca S.  
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.73, 2022 (SCI-Expanded)
- XIII. **Poly(lactic acid) nanofibers containing phosphorylcholine grafts for transdermal drug delivery systems**  
OKTAY B., Eroğlu G., DEMİR S., Kuruca S., KAYAMAN APOHAN N.

Materials Today Sustainability, vol.18, 2022 (SCI-Expanded)

- XIV. **Evaluation of anticancer effects of carboplatin-gelatin nanoparticles in different sizes synthesized with newly self-assembly method by exposure to IR light**  
DANIŞMAN KALINDEMİRTAŞ F., KARİPER İ. A., Erdemir G., Sert E., Erdem-Kuruca S.  
SCIENTIFIC REPORTS, vol.12, no.1, 2022 (SCI-Expanded)
- XV. **Evaluation of the effect of mesenchymal stem cells on cytokine levels in cell culture**  
Erol A., Sel F. A., Suleymanoglu M., Demirayak G., Kuruca D. S., Oguz F. S.  
HLA, vol.99, no.5, pp.537, 2022 (SCI-Expanded)
- XVI. **Some Bryophytes Trigger Cytotoxicity of Stem Cell-like Population in 5-Fluorouracil Resistant Colon Cancer Cells**  
Özerkan D., Erol A., Altuner E. M., Canlı K., Kuruca D. S.  
NUTRITION AND CANCER-AN INTERNATIONAL JOURNAL, vol.74, no.3, pp.1012-1022, 2022 (SCI-Expanded)
- XVII. **A new method for synthesis of carbon nanoparticle and its applications**  
KARİPER İ. A., Hepokur C., Danışman-Kalindemirtaş F., Kuruca S. E.  
Journal of Taibah University for Science, vol.16, no.1, pp.966-975, 2022 (SCI-Expanded)
- XVIII. **<p>New thiosemicarbazone-based Zinc(II) complexes. In vitro cytotoxicity competing with cisplatin on malignant melanoma A375 cells and its relation to neuraminidase inhibition</p>**  
KAYA B., Kalindemirtas F. D., ERTİK O., YANARDAĞ R., Kuruca S. E., Ulkueseven B.  
CHEMICO-BIOLOGICAL INTERACTIONS, vol.351, 2022 (SCI-Expanded)
- XIX. **Development and In Vitro Evaluation of Biocompatible PLA-Based Trilayer Nanofibrous Membranes for the Delivery of Nanoceria: A Novel Approach for Diabetic Wound Healing**  
Hussein M. A. M., Su S., Ulag S., Wozniak A., Grinholc M., Erdemir G., Erdem Kuruca S., GÜNDÜZ O., Muhammed M., El-Sherbiny I. M., et al.  
POLYMERS, vol.13, no.21, 2021 (SCI-Expanded)
- XX. **Oxovanadium(IV) complexes with tetradentate thiosemicarbazones. Synthesis, characterization, anticancer enzyme inhibition and in vitro cytotoxicity on breast cancer cells**  
ERTİK O., Kalindemirtas F. D., KAYA B., YANARDAĞ R., Kuruca S. E., ŞAHİN O., ÜLKÜSEVEN B.  
POLYHEDRON, vol.202, 2021 (SCI-Expanded)
- XXI. **Spectrochemical and biochemical assay comparison study of the healing effect of the Aloe vera and Hypericum perforatum loaded nanofiber dressings on diabetic wound**  
Guleken Z., Depciuch J., Ege H., İLBAY G., Kalkandelen C., ÖZBEYLİ D., Bulut H., ŞENER G., Tarhan N., Kuruca S. E.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.254, 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**  
Kalindemirtas F. D., KAYA B., Bener M., ŞAHİN O., Kuruca S. E., BAL DEMİRCİ T., ÜLKÜSEVEN B.  
APPLIED ORGANOMETALLIC CHEMISTRY, vol.35, no.4, 2021 (SCI-Expanded)
- XXIII. **Stimuli-responsive smart nanoparticles with well-defined random and triblock terpolymers for controlled release of an anticancer drug**  
Kocal G., OKTAY B., Eroglu G. O., KURUCA D. S., ÇUBUK S., KAYAMAN APOHAN N.  
MATERIALS TODAY COMMUNICATIONS, vol.26, 2021 (SCI-Expanded)
- XXIV. **Selective cytotoxicity of paclitaxel bonded silver nanoparticle on different cancer cells**  
Danışman-Kalindemirtaş F., Kariper İ., HEPOKUR C., Erdem-Kuruca S.  
Journal of Drug Delivery Science and Technology, vol.61, 2021 (SCI-Expanded)
- XXV. **Photochemically prepared monodisperse gold nanoparticles as doxorubicin carrier and its cytotoxicity on leukemia cancer cells**  
Dizman H. M., Eroglu G. O., Kuruca S. E., ARSU N.  
APPLIED NANOSCIENCE, vol.11, no.1, pp.309-320, 2021 (SCI-Expanded)
- XXVI. **EVALUATION OF ALOE VERA LEAF EXTRACTS AND ALOE EMODIN ON SEVERAL CANCER CELL LINES**  
AKEV N., Candoken E., KURUCA D. S.  
FARMACIA, vol.68, no.6, pp.1155-1165, 2020 (SCI-Expanded)

- XXVII. **Fabrication of three-dimensional PCL/BiFeO<sub>3</sub> scaffolds for biomedical applications**  
Ulag S, Kalkandelen C, Bedir T, Erdemir G, Kuruca S. E., Dumludag F., Ustundag C. B., Rayaman E., Ekren N., Kilic B., et al.  
Materials Science and Engineering B: Solid-State Materials for Advanced Technology, vol.261, 2020 (SCI-Expanded)
- XXVIII. **Mechanical and Biocompatibility Properties of Calcium Phosphate Bioceramics Derived from Salmon Fish Bone Wastes.**  
Bas M, DAĞLILAR S, KUŞKONMAZ N, KALKANDELEN C, Erdemir G, Kuruca S. E., Tulyaganov D, Yoshioka T, GÜNDÜZ O., Fıcaı D., et al.  
International journal of molecular sciences, vol.21, no.21, 2020 (SCI-Expanded)
- XXIX. **The interaction of light-activatable 2-thioxanthone thioacetic acid with ct-DNA and its cytotoxic activity: Novel theranostic agent**  
ATACI N., ÖZÇELİK KAZANCIOĞLU E., Kal F. D., Kuruca S. E., ARSU N.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.239, 2020 (SCI-Expanded)
- XXX. **Biochemical assay and spectroscopic analysis of oxidative/antioxidative parameters in the blood and serum of substance use disorders patients. A methodological comparison study**  
Guleken Z., Kuruca S. E., Unubol B., Toraman S., Bilici R., Saribal D., GÜNDÜZ O., Depciuch J.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.240, 2020 (SCI-Expanded)
- XXXI. **Investigation of the discrimination and characterization of blood serum structure in patients with opioid use disorder using IR spectroscopy and PCA-LDA analysis**  
Guleken Z., Unubol B., Bilici R., SARİBAL D., Toraman S., GÜNDÜZ O., Kuruca S. E.  
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol.190, 2020 (SCI-Expanded)
- XXXII. **Synthesis, structural, cytotoxic and pharmacokinetic evaluation of some thiosemicarbazone derivatives.**  
Süleymanoğlu M., Erdem-Kuruca S., Bal-Demirci T., Özdemir N., Ülküseven B., Yaylım İ.  
Journal of biochemical and molecular toxicology, vol.34, 2020 (SCI-Expanded)
- XXXIII. **Preparation and characterization of electrospun polylactic acid/sodium alginate/orange oyster shell composite nanofiber for biomedical application**  
Cesur S., OKTAR F. N., EKREN N., KILIÇ O., Alkaya D. B., AYAZ SEYHAN S., Ege Z. R., Lin C., KURUCA D. S., Erdemir G., et al.  
JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, vol.56, no.2, pp.533-543, 2020 (SCI-Expanded)
- XXXIV. **Cytotoxic effects of different self-adhesive resin cements: Cell viability and induction of apoptosis.**  
Sismanoglu S., DEMİRCİ M., Schweikl H., Ozen-Eroglu G., Cetin-Aktas E., Kuruca S., TUNCER S., TEKÇE N.  
The journal of advanced prosthodontics, vol.12, no.2, pp.89-99, 2020 (SCI-Expanded)
- XXXV. **Cu(ii) salen and 1,2,4-triazole complexes from thiosemicarbazone: synthesis, physicochemical and structural properties and cytotoxic activities**  
AVCU ALTIPARMAK E., Erdemir G., ÖZDEMİR N., Kuruca S. E., BAL DEMİRCİ T.  
NEW JOURNAL OF CHEMISTRY, vol.44, no.14, pp.5333-5342, 2020 (SCI-Expanded)
- XXXVI. **Diagnosis of opioid use disorder with high sensitivity and specificity by advanced computational analysis of Fourier transform infrared spectroscopy**  
Guleken Z., Unubol B., Toraman S., Bilici R., GÜNDÜZ O., Kuruca S. E.  
INFRARED PHYSICS & TECHNOLOGY, vol.105, 2020 (SCI-Expanded)
- XXXVII. **Indocyanine green based fluorescent polymeric nanoprobe for in vitro imaging**  
Ege Z. R., AKAN A., OKTAR F. N., Lin C. C., Kuruca D. S., Karademir B., ŞAHİN Y. M., Erdemir G., GÜNDÜZ O.  
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS, vol.108, no.2, pp.538-554, 2020 (SCI-Expanded)
- XXXVIII. **Comparative study on the anticancer drug potential of a lectin purified from Aloe Vera and aloe-emodin**  
Akev N., Çandöken E., Kuruca S. E.

Asian Pacific Journal of Cancer Prevention, vol.21, no.1, pp.99-106, 2020 (SCI-Expanded)

- XXXIX. **Evaluation of burst release and sustained release of pioglitazone-loaded fibrous mats on diabetic wound healing: an in vitro and in vivo comparison study**  
ÇAM M. E., Yildiz S., Alenezi H., Cesur S., Ozcan G. S., Erdemir G., Edirisinghe U., AKAKIN D., Kuruca D. S., KABASAKAL L., et al.  
JOURNAL OF THE ROYAL SOCIETY INTERFACE, vol.17, no.162, 2020 (SCI-Expanded)
- XL. **Silver nanoparticle/capecitabine for breast cancer cell treatment.**  
Hepokur C., Kariper İ., Mısır S., Ay E., Tunoğlu S., Ersez M., Zeybek Ü., Kuruca S., Yaylım İ.  
Toxicology in vitro : an international journal published in association with BIBRA, vol.61, pp.104600, 2019 (SCI-Expanded)
- XLI. **Novel palladium (II) complexes with tetradentate thiosemicarbazones. Synthesis, characterization, in vitro cytotoxicity and xanthine oxidase inhibition**  
ÖZERKAN D., ERTİK O., KAYA B., Kuruca S. E., YANARDAĞ R., ÜLKÜSEVEN B.  
INVESTIGATIONAL NEW DRUGS, vol.37, no.6, pp.1187-1197, 2019 (SCI-Expanded)
- XLII. **Fabrication, characterization and fibroblast proliferative activity of electrospun Achillea lycaonica-loaded nanofibrous mats**  
ÇAM M. E., Cesur S., TAŞKIN T., Erdemir G., Kuruca D. S., Sahin Y. M., KABASAKAL L., GÜNDÜZ O.  
EUROPEAN POLYMER JOURNAL, vol.120, 2019 (SCI-Expanded)
- XLIII. **3D Printing of Gelatine/Alginate/beta-Tricalcium Phosphate Composite Constructs for Bone Tissue Engineering**  
Kalkandelen C., Ulag S., Ozbek B., Eroglu G. O., Ozerkan D., Kuruca S. E., OKTAR F. N., Sengor M., GÜNDÜZ O.  
CHEMISTRYSELECT, vol.4, no.41, pp.12032-12036, 2019 (SCI-Expanded)
- XLIV. **Characterization and Isolation of Very Small Embryonic-like (VSEL) Stem Cells Obtained from Various Human Hematopoietic Cell Sources**  
Kuruca S. E., Celik D. D., Ozerkan D., Erdemir G.  
STEM CELL REVIEWS AND REPORTS, vol.15, no.5, pp.730-742, 2019 (SCI-Expanded)
- XLV. **Iron(III) and nickel(II) complexes of tetradentate thiosemicarbazones: Synthesis, structure, cytotoxicity, and lipophilicity**  
Suleymanoglu M., Kaya B., Erdem-Kuruca S., Ulkuseven B.  
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, vol.33, no.10, 2019 (SCI-Expanded)
- XLVI. **The formation of a metallocsupramolecular porous helicate through salicylaldehydethiosemicarbazone: Synthesis, Characterization, Cytotoxic activity, DNA binding and DFT calculations**  
ALTIPARMAK E. A., Eroglu G. O., Ozcelik E., Ozdemir N., Kuruca S. E., ARSU N., Ulkuseven B., Bal-Demirci T.  
APPLIED ORGANOMETALLIC CHEMISTRY, vol.33, no.9, 2019 (SCI-Expanded)
- XLVII. **Developments of 3D polycaprolactone/beta-tricalcium phosphate/collagen scaffolds for hard tissue engineering**  
Aydogdu M. O., MUTLU B., KURT M., İNAN A. T., Kuruca S. E., Erdemir G., ŞAHİN Y. M., EKREN N., OKTAR F. N., GÜNDÜZ O.  
JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, vol.55, no.3, pp.849-855, 2019 (SCI-Expanded)
- XLVIII. **Cytotoxic Effects of Some Flavonoids and Imatinib on the K562 Chronic Myeloid Leukemia Cell Line: Data Analysis Using the Combination Index Method**  
Kalmdemirtas F. D., Birman H., Candoken E., Gazioglu S. B., Melikoglu G., Kuruca S.  
BALKAN MEDICAL JOURNAL, vol.36, no.2, pp.96-105, 2019 (SCI-Expanded)
- XLIX. **Protective effects of cytokine combinations against the apoptotic activity of glucocorticoids on CD34+ hematopoietic stem/progenitor cells**  
KURUCA D. S., çetin b., AKGÜN DAR K., özerkan d.  
CYTOTECHNOLOGY, vol.71, no.1, pp.67-77, 2019 (SCI-Expanded)
- L. **Protective effects of cytokine combinations against the apoptotic activity of glucocorticoids on CD34(+) hematopoietic stem/progenitor cells**  
Kuruca S. E., Cetin M. B., Akgun Dar K., ÖZERKAN D.

CYTOTECHNOLOGY, vol.71, no.1, pp.67-77, 2019 (SCI-Expanded)

- LI. **Cell studies on Electrohydrodynamic (EHD)-3D-bioprinted Bacterial Cellulose\Polycaprolactone scaffolds for tissue engineering**  
Altun E., EKREN N., Kuruca S. E., GÜNDÜZ O.  
MATERIALS LETTERS, vol.234, pp.163-167, 2019 (SCI-Expanded)
- LII. **Novel electrospun polycaprolactone/graphene oxide/Fe<sub>3</sub>O<sub>4</sub> nanocomposites for biomedical applications**  
Aydogdu M. O., EKREN N., Suleymanoglu M., Erdem-Kuruca S., Lin C., Bulbul E., Erdol M. N., OKTAR F. N., TERZİ Ü. K., KILIÇ O., et al.  
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.172, pp.718-727, 2018 (SCI-Expanded)
- LIII. **Cellular interactions with bacterial cellulose: Polycaprolactone nanofibrous scaffolds produced by a portable electrohydrodynamic gun for point-of-need wound dressing**  
Aydogdu M. O., Altun E., Crabbe-Mann M., Brako F., Koc F., Ozen G., Kuruca S. E., Edirisinghe U., Luo C. J., GÜNDÜZ O., et al.  
INTERNATIONAL WOUND JOURNAL, vol.15, no.5, pp.789-797, 2018 (SCI-Expanded)
- LIV. **Production of the novel fibrous structure of poly(epsilon-caprolactone)/tri-calcium phosphate/hexagonal boron nitride composites for bone tissue engineering**  
Ozbek B., Erdogan B., EKREN N., OKTAR F. N., Akyol S., Ben-Nissan B., TÜRKOĞLU ŞAŞMAZEL H., Kalkandelen C., Mergen A., Kuruca S. E., et al.  
JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, vol.54, no.2, pp.251-260, 2018 (SCI-Expanded)
- LV. **Novel Making of Bacterial Cellulose Blended Polymeric Fiber Bandages**  
Altun E., Aydogdu M. O., Koc F., Crabbe-Mann M., Brako F., Kaur-Matharu R., Ozen G., Kuruca S. E., EDIRISINGHE U., GÜNDÜZ O., et al.  
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