

## Assoc. Prof. MEHMET BURAK AKSU

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Marmara University, Institute of Health Sciences, Mikrobiyoloji (Dr), Turkey 1993 - 2000

Undergraduate, Istanbul University, Istanbul Medical Faculty, Turkey 1985 - 1993

### Foreign Languages

English, C2 Mastery

### Dissertations

Doctorate, Grup B streptokok uyarısı ile epitel hücrelerinden salınan interlökin-8 düzeyinin monositlerle karşılaştırmalı olarak araştırılması, Marmara Üniversitesi, Institute of Health Sciences, Mikrobiyoloji (Dr), 2000

### Research Areas

Health Sciences

### Academic Titles / Tasks

Assistant Professor, Marmara University, School of Medicine, Basic Medical Sciences, 2015 - Continues

Assistant Professor, Eastern Mediterranean University, School Of Medicine, 2013 - Continues

### Academic and Administrative Experience

Marmara University, Çevre Sorunları Uygulama Ve Araştırma Merkezi, 2015 - Continues

## Advising Theses

- AKSU M. B., Kistik fibroz hastalarında saptanan polimikrobiyal enfeksiyon etkenleri arasındaki etkileşimlerin araştırılması, Postgraduate, M.Mücahit(Student), 2019
- AKSU M. B., İnvaziv Klebsiella pneumoniae izolatlarının tigesiklin direncinde efluks pompasının rolü, Postgraduate, B.Karacan(Student), 2019
- AKSU M. B., N-asetilsisteinin klinik acinetobacter baumannii ve klebsiella pneumoniae izolatlarında karbapenem direncine etkisi, Postgraduate, H.DOĞAN(Student), 2016
- AKSU M. B., Klinik örneklerden izole edilen Staphylococcus aureus suşlarında Mupirosin duyarlılığının araştırılması, Postgraduate, J.GÖKTEPE(Student), 2010
- AKSU M. B., Klinik örneklerden soyutlanan staphylococcus aureus suşlarında makrolid grubu antibiyotiklere direnç mekanizmalarının araştırılması, Postgraduate, D.GÜNEŞER(Student), 2009
- Aksu B., Klinik örneklerde soyutlanan staphylococcus aureus suşlarında makrolid grubu antibiyotiklere direnç mekanizmalarının araştırılması, Postgraduate, D.Güneşer(Student), 2009

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

- I. **Multifunctional hernia repair biopatch: Development, characterization, in vitro and in vivo evaluation**  
DEVECİ M. Z. Y., Enguven G., Ege H., ALAKUŞ İ., Agturk G., Yontem F. D., Yılmaz S., KIRGIZ Ö., Akcakavak G., KAZAK F., et al.  
Journal of Drug Delivery Science and Technology, vol.100, 2024 (SCI-Expanded)
- II. **Developing multifunctional pectin-based hydrogel for wound dressing: In silico, in vitro and in vivo evaluation**  
Kocaağa A. B., Öztürk Y., Ceren Kurçin H., Güner-Yılmaz Ö. Z., Kürkcüoğlu Levitas A. Ö., Tather M., Özdemir İ., Kervancıoğlu Demirci E., Kotil T., Solakoğlu S., et al.  
European Polymer Journal, vol.216, 2024 (SCI-Expanded)
- III. **Antibiotic resistance in Campylobacter jejuni and Campylobacter coli: significant contribution of an RND type efflux pump in erythromycin resistance**  
ÖNCEL B., HASDEMİR GÖKBOĞA M. U., AKSU M. B., Pournaras S.  
Journal of Chemotherapy, vol.36, no.2, pp.110-118, 2024 (SCI-Expanded)
- IV. **Development of gallic acid-loaded ethylcellulose fibers as a potential wound dressing material.**  
Croitoru A., Ayran M., Altan E., Karacelebi Y., Ulag S., Sahin A., Guncu M. M., Aksu B., Gunduz O., Tihăuan B., et al.  
International journal of biological macromolecules, vol.253, no.Pt 5, pp.126996, 2023 (SCI-Expanded)
- V. **Fucoidan-loaded electrospun Polyvinyl-alcohol/Chitosan nanofibers with enhanced antibacterial activity for skin tissue engineering.**  
Puigmal A. C., Ayran M., Ulag S., Altan E., Guncu M. M., Aksu B., Durukan B. K., Sasmazel H. T., Perez R. A., Koc E., et al.  
Journal of the mechanical behavior of biomedical materials, vol.148, pp.106163, 2023 (SCI-Expanded)
- VI. **Fabrication of Gentamicin Sulfate-Loaded 3D-Printed Polyvinyl Alcohol/Sodium Alginate/Gelatin-Methacryloyl Hybrid Scaffolds for Skin Tissue Replacement**  
Izgordu M. S., Ayran M., ULAĞ S., Yildirim R., Bulut B., ŞAHİN A., Guncu M. M., AKSU M. B., GÜNDÜZ O.  
MACROMOLECULAR MATERIALS AND ENGINEERING, vol.308, no.12, 2023 (SCI-Expanded)
- VII. **Biocompatible polyvinyl alcohol nanofibers loaded with amoxicillin and salicylic acid to prevent wound infections.**  
Aydin A., Ulag S., Sahin A., Aksu B., Gunduz O., Ustundag C. B., Marinas I. C., Georgescu M., Chifiriuc M. C.  
Biomedical materials (Bristol, England), vol.18, no.5, 2023 (SCI-Expanded)
- VIII. **A Novel Approach for the Fabrication of 3D-Printed Dental Membrane Scaffolds including Antimicrobial Pomegranate Extract**  
Karabulut H., Ulag S., Dalbayrak B., Arisan E. D., Taskin T., Guncu M. M., Aksu B., Valanezhad A., Gunduz O.  
PHARMACEUTICS, vol.15, no.3, 2023 (SCI-Expanded)

- IX. **Efficacy of hypochlorous acid as an alternative oral antimicrobial agent on human gingival fibroblasts, *Aggregatibacter actinomycetemcomitans*, and *Candida albicans* biofilms in vitro**  
Bayraktar G., Yılmaz Göler A. M., Aksu M. B., Öztürk Özener H.  
Biofouling, vol.39, no.9-10, pp.980-989, 2023 (SCI-Expanded)
- X. **Canine Adipose Tissue Stem Cells Induced With Toll-Like Receptor Agonists Exhibit Antibacterial Activity Against Multi Drug Resistant Pathogens**  
AKSU M. B., Yanilmaz O., AKKOÇ T.  
KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGISI, vol.29, pp.151-159, 2023 (SCI-Expanded)
- XI. **Fabrication of Electrospun *Juglans regia* (Juglone) Loaded Poly(lactic acid) Scaffolds as a Potential Wound Dressing Material**  
ALTAN E., Karacelebi Y., Saatcioglu E., ULAĞ S., ŞAHİN A., AKSU M. B., Croitoru A., Codrea C. I., Fikai D., GÜNDÜZ O., et al.  
POLYMERS, vol.14, no.10, 2022 (SCI-Expanded)
- XII. **Low-dose valacyclovir use with preemptive monitoring in kidney transplant recipients with intermediate cytomegalovirus infection risk**  
VELİOĞLU A., Alagoz S., Atas D., ARIKAN İ. H., AŞICIOĞLU E., AKSU M. B., Seyahi N., TUĞLULAR Z. S.  
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.52, no.4, pp.1404-1407, 2022 (SCI-Expanded)
- XIII. **Diversity of HIV-1 subtypes and transmitted drug-resistance mutations among minority HIV-1 variants in a Turkish cohort.**  
Sarinoglu R. C., Sili U., Hasdemir U., Aksu B., Soyletir G., Korten V.  
Current HIV research, vol.20, pp.54-62, 2022 (SCI-Expanded)
- XIV. **INVESTIGATION THE EFFECTS OF TREATMENT PLANTS ON HEAVY METAL LEVELS AND MUTAGENICITY OF WASTEWATERS**  
Dartan G., Cevik M., Aksu M. B., Can Z. S., Keskins Y., Yurdun T., Deliorman G., Süsleyici B.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.31, no.8B, pp.8952-8957, 2022 (SCI-Expanded)
- XV. **Propolis-Based Nanofiber Patches to Repair Corneal Microbial Keratitis**  
Ulag S., Ilhan E., Demirhan R., Sahin A., Yilmaz B., Aksu B., Sengor M., Fikai D., Titu A. M., Fikai A., et al.  
MOLECULES, vol.26, no.9, 2021 (SCI-Expanded)
- XVI. **Antibacterial and hemolytic activity of cationic polymer-vancomycin conjugates**  
Acaroğlu Degitz İ., Hakkı Gazioğlu B., Burak Aksu M. B., Malta S., Demir Sezer A., Eren T.  
European Polymer Journal, vol.141, 2020 (SCI-Expanded)
- XVII. **Nesfatin-1 ameliorates oxidative bowel injury in rats with necrotizing enterocolitis: The role of the microbiota composition and claudin-3 expression**  
Karadeniz C., Koyuncuoğlu T., Yağmur D., Peker E., Şirvanci S., Akkiprik M., Aksu B., Dağlı E., Yeğen B.  
JOURNAL OF PEDIATRIC SURGERY, vol.55, no.12, pp.2797-2810, 2020 (SCI-Expanded)
- XVIII. **Enhanced Light-Driven Antimicrobial Activity of Cationic Poly(oxanorbornene)s by Phthalocyanine Incorporation into Polymer as Pendants**  
Ahmetali E., Sen P., Suer N. C., Aksu M. B., Nyokong T., Eren T., Şener M. K.  
MACROMOLECULAR CHEMISTRY AND PHYSICS, vol.221, no.24, 2020 (SCI-Expanded)
- XIX. **3D Propolis-Sodium Alginate Scaffolds: Influence on Structural Parameters, Release Mechanisms, Cell Cytotoxicity and Antibacterial Activity**  
Aranci K., Uzun M., Su S., Cesur S., Ulag S., Amin A., Guncu M., Aksu B., Kolayli S., Ustundag C., et al.  
Molecules, vol.25, no.21, 2020 (SCI-Expanded)
- XX. **Alterations in AdeS and AdeR regulatory proteins in 1-(1-naphthylmethyl)-piperazine responsive colistin resistance of *Acinetobacter baumannii*.**  
Satilmis S., Hasdemir U., Aksu B., ALTINKANAT GELMEZ G., Soyletir G.  
Journal of chemotherapy (Florence, Italy), vol.32, no.6, pp.286-293, 2020 (SCI-Expanded)
- XXI. **Development of *Satureja cuneifolia*-loaded sodium alginate/polyethylene glycol scaffolds produced by 3D-printing technology as a diabetic wound dressing material**  
Ilhan E., Cesur S., Guler E., Topal F., Albayrak D., Guncu M. M., Cam M. E., Taskin T., Sasmazel H. T., Aksu B., et al.  
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.161, pp.1040-1054, 2020 (SCI-Expanded)

- XXII. **An alternative for urine cultures: Direct identification of uropathogens from urine by MALDI-TOF MS**  
İlki A. A., Özsoy S., Gelmez G., Aksu B., Söyletir G.  
ACTA MICROBIOLOGICA ET IMMUNOLOGICA HUNGARICA, vol.67, no.3, pp.193-197, 2020 (SCI-Expanded)
- XXIII. **Comparative in vitro activity of plazomicin and older aminoglycosides against Enterobacterales isolates; prevalence of aminoglycoside modifying enzymes and 16S rRNA methyltransferases.**  
Gur D., Hasdemir U., ÇAKAR A., Cavusoglu I., Celik T., Aksu B., SANCAK B., ALTUN B., Soyletir G., ÜLGER N., et al.  
Diagnostic microbiology and infectious disease, vol.97, no.4, pp.115092, 2020 (SCI-Expanded)
- XXIV. **Evaluation of Cytotoxicity and Mutagenicity of Wastewater from Istanbul: Data from Hospitals and Advanced Wastewater Treatment Plant**  
Cevik M., DARTAN G., Ulker M., Bezci K., Deliorman G., Cagatay P., LAÇIN T., CİNEL İ. H., Aksu B., KESKİN Y., et al.  
BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.104, no.6, pp.852-857, 2020 (SCI-Expanded)
- XXV. **Amphiphilic water soluble cationic ring opening metathesis copolymer as an antibacterial agent**  
Islam M. N., Aksu B., Guncu M., Gallei M., Tülü M., Eren T.  
JOURNAL OF POLYMER SCIENCE, vol.58, pp.872-884, 2020 (SCI-Expanded)
- XXVI. **The effects of antibiotics and melatonin on hepato-intestinal inflammation and gut microbial dysbiosis induced by a short-term high-fat diet consumption in rats**  
Yıldırım A., Arabacı Tamer S., Sahin D., Bagriacik F., Kahraman M. M., Onur N. D., Cayirli Y. B., Kaya Ö. T., Aksu M. B., Akdeniz Doğan Z. D., et al.  
BRITISH JOURNAL OF NUTRITION, vol.122, no.8, pp.841-855, 2019 (SCI-Expanded)
- XXVII. **Co-Culture of Keratinocyte-Staphylococcus aureus on Cu-Ag-Zn/CuO and Cu-Ag-W Nanoparticle Loaded Bacterial Cellulose:PMMA Bandages**  
Altun E., Aydogdu M. O., Crabbe-Mann M., Ahmed J., Brako F., Karademir B., Aksu B., Sennaroğlu Bostan M., Eroğlu M. S., Ren G., et al.  
MACROMOLECULAR MATERIALS AND ENGINEERING, vol.304, 2019 (SCI-Expanded)
- XXVIII. **Evaluation of 2015-2016 MOTAKK HBV DNA and HCV RNA External Quality Assessment National Program Results**  
Karatayli E., Soydemir E., Aksoy Z. B., Kizilpinar M., Altay Kocak A., Karatayli S. C., Yurdcu E., Yıldırım U., Guriz H., BOZDAYI G., et al.  
MIKROBIYOLOJİ BÜLTENİ, vol.52, no.4, pp.348-366, 2018 (SCI-Expanded)
- XXIX. **Assessment of Transmitted HIV-1 Drug Resistance Mutations Using Ultra-Deep Pyrosequencing in a Turkish Cohort**  
SİLİ U., Aksu B., Tekin A., Hasdemir U., Soyletir G., KORTEN V.  
CURRENT HIV RESEARCH, vol.16, no.3, pp.216-221, 2018 (SCI-Expanded)
- XXX. **Performance of "RESIST-3 O.K.N. K-SeT" immunochromatographic assay for the detection of OXA-48 like, KPC, and NDM carbapenemases in Klebsiella pneumoniae in Turkey.**  
Sağiroğlu P., Hasdemir U., Altınkanat G., Aksu B., Karatuna O., Söyletir G.  
Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology], vol.49, no.4, pp.885-890, 2018 (SCI-Expanded)
- XXXI. **Helicobacter pylori prevalence and relation with obesity**  
Ozdemir S. H., Aksu C., Ozden E., Narman I., Varlik S., Aksu B., KASIMAY ÇAKIR Ö., Yagci A.  
INDIAN JOURNAL OF PATHOLOGY AND MICROBIOLOGY, vol.60, no.3, pp.451-452, 2017 (SCI-Expanded)
- XXXII. **Effects of Melatonin on High Fat Diet Induced Inflammation and Delayed Intestinal Transit Involvement of Gut Microbiota**  
ARABACI TAMER S., YILDIRIM A., ŞAHİN D., BAĞRIAÇIK F., KAHRAMAN M. M., ONUR N. D., ÇAYIRLI Y. B., KAYA Ö. T., AKSU M. B., YÜKSEL M., et al.  
Acta Physiologica, 2016 (SCI-Expanded)
- XXXIII. **Effects of Melatonin on High-Fat Diet-Induced Inflammation and Delayed Intestinal Transit: Involvement of Gut Microbiota**  
Tamer S. A., YILDIRIM A., Sahin D., Bagriacik F., Kahraman M. M., Onur N. D., Cayirli Y. B., Cilingir O. T., Aksu B.,

YÜKSEL M., et al.

ACTA PHYSIOLOGICA, vol.218, pp.62, 2016 (SCI-Expanded)

- XXXIV. **Phenolic compounds affect production of pyocyanin, swarming motility and biofilm formation of *Pseudomonas aeruginosa***  
Ugurlu A., Yagci A., ULUSOY S., Aksu B., Bosgelmez-Tinaz G.  
ASIAN PACIFIC JOURNAL OF TROPICAL BIOMEDICINE, vol.6, no.8, pp.698-701, 2016 (SCI-Expanded)
- XXXV. **In Vitro Evaluation of Planktonic Growth on Experimental Cement-Retained Titanium Surfaces**  
Balci N., Cakan U., Aksu B., Akgul O., ÜLGER N.  
MEDICAL SCIENCE MONITOR, vol.22, pp.1180-1185, 2016 (SCI-Expanded)
- XXXVI. **Effect of extremely low frequency electromagnetic fields on bacterial membrane**  
ÖNCÜL Ş., Cuce E. M., Aksu B., Garip A. I.  
INTERNATIONAL JOURNAL OF RADIATION BIOLOGY, vol.92, no.1, pp.42-49, 2016 (SCI-Expanded)
- XXXVII. **Association of BK Virus Titers With Lymphocyte Count in Renal Transplant Patients**  
Velioglu A., Aksu B., Asicioglu E., Arikan H., Tinay I., Yardimci S., Yegen C., Tuglular S., Ozener C.  
TRANSPLANTATION PROCEEDINGS, vol.47, no.5, pp.1421-1424, 2015 (SCI-Expanded)
- XXXVIII. **A prospective study: inflammation, infection and comorbidity in patients on long-term dialysis.**  
Akbaş T., Mülazımoğlu L., Aksu B., Akoğlu E.  
Journal of renal care, vol.40, pp.6-13, 2014 (SCI-Expanded)
- XXXIX. **Expression of the *adeB* gene and responsiveness to 1-(1-naphthylmethyl)-piperazine and phenylalanyl-arginyl- $\beta$ -naphthylamide in clinical isolates of *Acinetobacter baumannii*.**  
Dal T., Aksu B., Pages J., Over-Hasdemir U.  
The Journal of antimicrobial chemotherapy, vol.68, no.5, pp.1200-2, 2013 (SCI-Expanded)
- XL. **Effect of extremely low frequency electromagnetic fields on growth rate and morphology of bacteria**  
Inhan-Garip A., Aksu B., Akan Z., AKAKIN D., ÖZAYDIN A. N., San T.  
INTERNATIONAL JOURNAL OF RADIATION BIOLOGY, vol.87, no.12, pp.1155-1161, 2011 (SCI-Expanded)
- XLI. **Recurrent Fatal Necrotizing Fasciitis due to *Streptococcus pyogenes* in a Child with Hereditary Sensory and Automic Neuropathy Type IV**  
Kuzdan C., Soysal A., ALTINKANAT GELMEZ G., Aksu B., Soyletir G., Bakir M.  
JAPANESE JOURNAL OF INFECTIOUS DISEASES, vol.64, no.2, pp.147-149, 2011 (SCI-Expanded)
- XLII. **Investigation of Toxin Genes of *Clostridium difficile* Strains Isolated from Hospitalized Patients with Diarrhoea at Marmara University Hospital**  
Deniz U., Ülger N., Aksu M. B., Karavuş M., Söyletir G.  
MIKROBİYOLOJİ BÜLTENİ, vol.45, pp.1-10, 2011 (SCI-Expanded)
- XLIII. **Recurrent fatal necrotizing fasciitis due to *Streptococcus pyogenes* in a child with hereditary sensory and automic neuropathy type IV.**  
Kuzdan C., Soysal A., Altinkanat G., Aksu B., Söyletir G., Bakir M.  
Japanese journal of infectious diseases, vol.64, pp.147-9, 2011 (SCI-Expanded)
- XLIV. **Extremely Low-Frequency Electromagnetic Fields Affect the Immune Response of Monocyte-Derived Macrophages to Pathogens**  
Akan Z., Aksu B., Tulunay A., Bilsel S., Inhan-Garip A.  
BIOELECTROMAGNETICS, vol.31, no.8, pp.603-612, 2010 (SCI-Expanded)
- XLV. **Seminested PCR for detection and identification of *Candida* species directly from blood culture bottles**  
Cerikcioglu N., Aksu B., Dal T. D., Deniz U., BİLGEN H. S., ÖZEK E., Soyletir G.  
NEW MICROBIOLOGICA, vol.33, no.1, pp.57-62, 2010 (SCI-Expanded)
- XLVI. **Seminested PCR for detection and identification of *Candida* species directly from blood culture bottles.**  
Cerikçiöğlü N., Aksu B., Dal T., Deniz U., Bilgen H. S., Ozek E., Söyletir G.  
The new microbiologica, vol.33, pp.57-62, 2010 (SCI-Expanded)
- XLVII. **Some Statistical Concepts for Assays: Medical Education**  
Bekiroglu N., Gunel P., Aksu B.

- TURKIYE KLINIKLERI TIP BILIMLERI DERGISI, vol.29, no.4, pp.997-1006, 2009 (SCI-Expanded)
- XLVIII. **Some Statistical Concepts for Assays Medical Education**  
Bekiroğlu G. N., Günal P., Aksu M. B.  
Turkiye Klinikleri Tip Bilimleri Dergisi, vol.29, pp.997-1006, 2009 (SCI-Expanded)
- XLIX. **Value of washed sputum samples in children with lower respiratory tract infections**  
Ziyade N., Aksu B., Yagci A.  
PEDIATRICS INTERNATIONAL, vol.51, no.3, pp.438-440, 2009 (SCI-Expanded)
- L. **Endotoxemia in coronary artery bypass surgery: a comparison of the off-pump technique and conventional cardiopulmonary bypass.**  
Aydin N., Gercekoglu H., Aksu B., Ozkul V., Sener T. E., Kiygil I., Turkoglu T., Cimen S., Babacan F., Demirtas M.  
The Journal of thoracic and cardiovascular surgery, vol.125, pp.843-8, 2003 (SCI-Expanded)
- LI. **DNA Vaccines**  
AKSU M. B.  
Marmara Medical Journal, vol.14, pp.192-195, 2001 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Clinical assessment of various imaging systems for dental plaque scoring after the use of 3 different toothpastes**  
MEŞELİ S., EKENEL S., KORKUT B., AKSU M. B., TAĞTEKİN D., YANIKOĞLU F.  
IMAGING SCIENCE IN DENTISTRY, vol.53, 2023 (ESCI)
- II. **Investigation of The Efficacy of Mesenchymal Stem Cell-Derived Conditioned Medium on Wound Healing Through Scratch Test and Teer Analysis**  
Akkoç T., AKSU M. B.  
Journal of Research in Pharmacy, vol.27, no.5, pp.2135-2144, 2023 (ESCI)
- III. **The failure on the effectiveness of formalin on cadaver disinfection and alternative methods**  
Yanılmaz O., Guncu M. M., AKSU M. B., ÖZKAN M., ŞEHİRLİ Ü. S.  
MARMARA MEDICAL JOURNAL, vol.36, no.1, pp.14-17, 2023 (ESCI)
- IV. **Effect of different immobilization media on breakdown of whey proteins by Streptococcus thermophilus**  
Safak F. Z., Bıçım G., Yılmaz A. M., Aksu M. B., Yalcın A. S.  
Marmara Medical Journal, vol.35, no.2, pp.139-142, 2022 (Scopus)
- V. **Inhibition Effect of Ozone on Resistant Clinical Isolates**  
Yanılmaz Ö., Aksu M. B.  
Southern Clinics of Istanbul Eurasia, vol.33, no.1, pp.41-45, 2022 (Peer-Reviewed Journal)
- VI. **A novel approach to treat the Thiel-Behnke corneal dystrophy using 3D printed honeycomb-shaped polymethylmethacrylate (PMMA)/Vancomycin (VAN) scaffolds**  
Ulag S., ŞAHİN A., Guncu M. M., AKSU M. B., EKREN N., ŞENGÖR M., Kalaskar D. M., GÜNDÜZ O.  
Bioprinting, vol.24, 2021 (Scopus)
- VII. **3D printing of Osage orange extract/Chitosan scaffolds for soft tissue engineering**  
SAATÇIOĞLU E., KOYUN M., ULAĞ S., ŞAHİN A., YILMAZ B., AKSU M. B., GÜNDÜZ O.  
FOOD HYDROCOLLOIDS FOR HEALTH, vol.1, 2021 (ESCI)
- VIII. **The ameliorative effects of melatonin on acetic acid-induced gastric ulcer in rats via its modulatory effects on gut microbiota**  
ARABACI TAMER S., YILDIRIM A., ÇEVİK Ö., AKSU M. B., YÜKSEL M., Dertsiz E. K., ŞİRVANCI S., YEGEN B.  
CUKUROVA MEDICAL JOURNAL, vol.46, no.1, pp.186-200, 2021 (ESCI)
- IX. **Melatoninin bağırsak mikrobiyotasını düzenleyici etkileri aracılığıyla sıçanlarda asetik asitle oluşturulmuş mide ülserinde hafifletici etkileri**  
Yegen B., Tamer S. A., Yıldırım A., Çevik Ö., Aksu M. B., Yüksel M., Kuntsal Dertsiz E., Şirvancı S.  
Cukurova Medical Journal, vol.46, no.1, pp.1-15, 2021 (ESCI)

- X. **"Atypical Cell" Parameter in Automated Urine Analysis for the Diagnosis of Bladder Cancer: A Retrospective Pilot Study**  
Tinay İ., Sahin B., Saraçoğlu S., Yanılmaz O., Aksu M. B., Ayas R., Filinte D., Çam H. K., İlki A.  
UROONKOLOJİ BULTENİ-BULLETIN OF UROONCOLOGY, vol.19, pp.17-19, 2020 (ESCI)
- XI. **Synthesis of 1,4-diazabicyclo[2.2.2]octane and pyridinium based cationic polymers via ROMP technique and examination of their antibacterial activity and cytotoxicity**  
Kaymaz A. P., Acaroğlu-Degitz İ., Yapaöz M. A., SEZER A. D., Malta S., Aksu B., EREN T.  
Materialia, vol.5, 2019 (Scopus)
- XII. **Group B Streptococci Induce Interleukin 8 Production in Human Cervical Epithelial Cell Cultures: The Role of Capsule Polysaccharide**  
Aksu B., Yanılmaz O.  
CLINICAL AND EXPERIMENTAL HEALTH SCIENCES, vol.9, no.1, pp.50-53, 2019 (ESCI)
- XIII. **Evaluation of efficacy of endoscope reprocessing by ATP method and bacterial cultivation**  
FİDAN E., KARAHASAN A., AKSU M. B., Zaman G., Öztürk A., Çırak A.  
The Turkish Journal Of Occupational / Environmental Medicine and Safety, vol.2, pp.28-29, 2017 (Peer-Reviewed Journal)
- XIV. **Catheter-related Saccharomyces cerevisiae Fungemia Following Saccharomyces boulardii Probiotic Treatment: In a child in intensive care unit and review of the literature**  
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- L. **Melatoninin yüksek yağlı diyetle indüklenmiş inflamasyona ve gecikmiş ince bağırsak transitine etkisi Bağırsak mikrobiyotasının rolü**  
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