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Personal Information

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Education Information

Doctorate, Gazi Üniversitesi, Tıp Fakültesi, Tıbbi Mikrobiyoloji Anabilim Dalı, Turkey 2010 - 2016

Postgraduate, Hacettepe Üniversitesi, Tıp Fakültesi, Tıbbi Mikrobiyoloji Anabilim Dalı, Turkey 2006 - 2009

Undergraduate, Hacettepe Üniversitesi, Fen Fakültesi, Biyoloji, Turkey 2001 - 2006

Foreign Languages

English, C1 Advanced

Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Microbiology and Clinical Microbiology, Medical Microbiology

Academic Titles / Tasks

Research Assistant, Hacettepe Üniversitesi, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2011 - Continues

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **S-alkylated thiosemicarbazone derivatives: Synthesis, crystal structure determination, antimicrobial activity evaluation and molecular docking studies**
GÜNDÜZ M. G. , Kaya B., ÖZKUL KOÇAK C., ŞAHİN O., Rekha E. M. , Sriram D., ÜLKÜSEVEN B.
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- II. **Integrative proteomics and metabolomics approach to elucidate the antimicrobial effect of simvastatin on Escherichia coli**
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- III. **Copper-Oxone Promoted Oxidative C-H Functionalization: Synthesis of 2-Aminobenzothiazoles and Evaluation of Their Antimicrobial Activities**
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- IV. **Oxacillinase Gene Distribution, Antibiotic Resistance, and Their Correlation with Biofilm Formation in Acinetobacter baumannii Bloodstream Isolates**
ÖZKUL KOÇAK C., HAZIROLAN G.
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- V. **Gut-brain-microbiota axis: Antibiotics and functional gastrointestinal disorders**

KARAKAN T., ÖZKUL KOÇAK C., Akkol E. K. , BİLİCİ S., Sobarzo-Sánchez E., Capasso R.
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- VI. **Effects of endothelin receptor blockade and COX inhibition on intestinal I/R injury in a rat model: Experimental research**
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- VII. **Characterization of gut microbiota in polycystic ovary syndrome: Findings from a lean population**
Mammadova G., ÖZKUL KOÇAK C., YILMAZ İŞIKHAN S., AÇIKGÖZ A., YILDIZ O. B.
EUROPEAN JOURNAL OF CLINICAL INVESTIGATION, 2020 (Journal Indexed in SCI)
- VIII. **1,3-Disubstituted urea derivatives: Synthesis, antimicrobial activity evaluation and in silico studies**
GÜNDÜZ M. G. , Uğur S. B. , Güney F., Özkul C., Krishna V. S. , Kaya S., Sriram D., DOĞAN Ş. D.
BIOORGANIC CHEMISTRY, vol.102, 2020 (Journal Indexed in SCI)
- IX. **Development of besifloxacin HCl loaded nanofibrous ocular inserts for the treatment of bacterial keratitis: In vitro, ex vivo and in vivo evaluation**
POLAT H. K. , Pehlivan S. B. , Ozkul C., ÇALAMAK S., Ozturk N., AYTEKİN E., FIRAT A., ULUBAYRAM K., KOCABEYOĞLU S., Irkeç M., et al.
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.585, 2020 (Journal Indexed in SCI)
- X. **A single early-in-life antibiotic course increases susceptibility to DSS-induced colitis**
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GENOME MEDICINE, vol.12, no.1, 2020 (Journal Indexed in SCI)
- XI. **Structural changes in gut microbiome after Ramadan fasting: a pilot study**
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- XII. **Long-Term Effects of Early-Life Antibiotic Exposure on Resistance to Subsequent Bacterial Infection.**
Roubaud-Baudron C., Ruiz V., Swan A., Vallance B., Ozkul C., Pei Z., Li J., Battaglia T., Perez-Perez G., Blaser M.
mBio, vol.10, 2019 (Journal Indexed in SCI)
- XIII. **Islamic fasting leads to an increased abundance of Akkermansia muciniphila and Bacteroides fragilis group: A preliminary study on intermittent fasting**
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TURKISH JOURNAL OF GASTROENTEROLOGY, vol.30, no.12, pp.1030-1035, 2019 (Journal Indexed in SCI)
- XIV. **Design, synthesis and computational analysis of novel acridine-(sulfadiazine/sulfathiazole) hybrids as antibacterial agents**
GÜNDÜZ M. G. , Tahir M. N. , Armakovic S., Kocak C., Armakovic S. J.
JOURNAL OF MOLECULAR STRUCTURE, vol.1186, pp.39-49, 2019 (Journal Indexed in SCI)
- XV. **Determination of certain bacterial groups in gut microbiota and endotoxin levels in patients with nonalcoholic steatohepatitis**
Ozkul C., Yalinay M., Karakan T., Yilmaz G.
TURKISH JOURNAL OF GASTROENTEROLOGY, vol.28, no.5, pp.361-369, 2017 (Journal Indexed in SCI)
- XVI. **Ag/silk fibroin nanofibers: Effect of fibroin morphology on Ag+ release and antibacterial activity**
ÇALAMAK S., AKSOY E. A. , Ertas N., ERDOĞDU C., SAĞIROĞLU M., ULUBAYRAM K.
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- XVII. **Silver nanoparticle containing silk fibroin bionanotextiles**
ÇALAMAK S., AKSOY E. A. , ERDOĞDU C., SAĞIROĞLU M., ULUBAYRAM K.
JOURNAL OF NANOPARTICLE RESEARCH, vol.17, no.2, 2015 (Journal Indexed in SCI)
- XVIII. **Silk fibroin based antibacterial bionanotextiles as wound dressing materials**
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- XIX. **Detection of cagA and vacA genotypes of Helicobacter pylori isolates from a university hospital in Ankara region, Turkey**
Erdogdu C., SARIBAŞ Z., Yilmaz Y. A.

Articles Published in Other Journals

- I. **Comparative Proteomic Analysis of Escherichia coli Under Ofloxacin Stress**
KOÇAK E., ÖZKUL KOÇAK C.
TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES, vol.18, no.2, pp.133-139, 2021 (Journal Indexed in ESCI)
- II. **Short-term adaptive metabolic response of Escherichia coli to ciprofloxacin exposure**
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- III. **COMPARISON OF BACTERIAL DNA EXTRACTION METHODS FROM STOOL SAMPLES FOR QUANTITATIVE REAL-TIME PCR ANALYSIS**
ÖZKUL KOÇAK C.
Hacettepe Journal of Biology and Chemistry, vol.48, no.1, pp.41-48, 2020 (Other Refereed National Journals)
- IV. **Metabolic response of Escherichia coli to subinhibitory concentration of ofloxacin**
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- V. **Screening the antimicrobial effect of ferrocene-boronic acid on Pseudomonas aeruginosa using proteomics and metabolomics approach**
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- VI. **Karbapeneme Dirençli Klebsiella pneumoniae Klinik İzolatlarında Kolistin Direnci**
ÖZKUL KOÇAK C., HAZIROLAN G.
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- VII. **Mikrobiyota Tanımlama Yöntemleri**
ÖZKUL KOÇAK C., YALINAY A. M.
Turkiye Klinikleri Gastroenterohepatology, vol.11, pp.5-11, 2018 (Other Refereed National Journals)

Books & Book Chapters

- I. **Mikrobiyota Tanımlama Yöntemleri**
ÖZKUL KOÇAK C., YALINAY A. M.
in: Türkiye Klinikleri Gastroenteropatoloji Özel Konular - Bağırsak Mikrobiyotası, Prof. Dr. Hakan Alagöz, Editor, Türkiye Klinikleri (Ortadoğu Reklam Tanıtım Yayıncılık Turizm Eğitim İnşaat Sanayi ve Ticaret A.Ş.), Ankara, pp.5-11, 2018
- II. **Mikrobiyolojik Yöntemler**
ERYILMAZ M., DEMİRTAŞ A., ERAÇ B., TAŞLI H., EKİZOĞLU M., KART D., YILMAZ F. F. , KARACA GENÇER H., CANTÜRK Z., SAĞIROĞLU M., et al.
in: Türk Farmakopesi 2017, , Editor, T.C. Sağlık Bakanlığı Türkiye İlaç ve Tıbbi Cihaz Kurumu, 2018
- III. **Nonfermenterlerin İzolasyonu İçin Öneriler En Sık Rastlanan Türlerin Tanımlanması**
ÖZKUL KOÇAK C.
in: Koneman's Color Atlas and Textbook of Diagnostic Microbiology, Ahmet Başustaoglu, Ayşe Dürdal Us, Editor, Hipokrat Yayınevi, pp.389, 2017

Refereed Congress / Symposium Publications in Proceedings

- I. **Seçici noradrenalin gerilim inhibitörü reboksetinin intestinal mikrobiyom üzerine etkisi**
ÖZKUL KOÇAK C., KARACA GENÇER H., AYDIN TEKİNKOCA S.

TMC 2020 Çevrim İçi Mikrobiyoloji Sempozyumu, Turkey, 27 December 2020

- II. **Structural changes in gut microbiome of diabetic mice after Reboxetin treatment**
TEKİNKOCA S., ÖZKUL KOÇAK C., KARACA GENÇER H.
HELICOBACTER, Innsbruck, Austria, 5 - 07 September 2019, vol.24
- III. **Compositional analysis of ocular surface microbiome in blepharitis**
ÖZKUL KOÇAK C., YALINAY A. M. , AKATA R. F.
HELICOBACTER, Innsbruck, Austria, 5 - 07 September 2019, vol.24
- IV. **GUT MICROBIOME AND OBESITY ASSOCIATED DISEASES: CURRENT PERSPECTIVE**
ÖZKUL KOÇAK C.
International Multidisciplinary Symposium on Drug Research and Development, 1 - 03 July 2019
- V. **THE INTEGRATED PROTEOMICS AND METABOLOMICS ANALYSIS OF ESCHERICHIA COLI UNDER OFLOXACIN STRESS**
KOÇAK E., ÖZKUL KOÇAK C.
International Multidisciplinary Symposium on Drug Research and Development, 1 - 03 July 2019
- VI. **Kafeterya Diyeti İle Beslenen Anne Ratların Anne Sütü Alan Yavrularında Mikrobiyota Düzeylerinin İncelenmesi**
ADİLOĞLU A. K. , Teker T., ÖZKUL KOÇAK C., YALINAY A. M. , Öztürk B., EYERCİ N.
Türk Mikrobiyoloji Kongresi XXXVIII International Uluslararası Turkish Microbiology Congress, 4 - 08 November 2018
- VII. **Oruç tutan bireylerde oruç öncesi ve sonrası bağırsak mikrobiyotası farklılıklarının metagenomik olarak incelenmesi**
ÖZKUL KOÇAK C., YALINAY A. M. , KARAKAN T.
5. Ulusal Bağırsak Mikrobiyotası ve probiyotik Kongresi, Turkey, 11 - 14 October 2018
- VIII. **Mikropipette Mikrobiyota: Analiz Yöntemleri**
ÖZKUL KOÇAK C.
İnönü Üniversitesi bilimsel Araştırma topluluğu 5. Ulusal Tıp Öğrenci Kongresi, Turkey, 27 April 2018
- IX. **Bağırsak Mikrobiyotası ve Metagenomik Yaklaşım**
ÖZKUL KOÇAK C.
4. Ulusal Klinik Mikrobiyoloji Kongresi, Antalya, Turkey, 8 - 12 November 2017
- X. **Effect of microbial restoration after early-life antibiotic treatment on intestinal microbial communities and on host gene expression and function**
Ruiz V., Battaglia T., ERDOĞDU C., Blaser M. J.
50th Annual MACUB Conference, 28 October 2017
- XI. **Effect of single early-in-life antibiotic course on microbial community structure and susceptibility to DSS-induced colitis**
Ozkul C., Ruiz V., Battaglia T., Cadwell K., Blaser M.
30th International Workshop of the European-Helicobacter-and-Microbiota-Study-Group (EHMSG) on Helicobacter and Microbiota in Inflammation and Cancer, Bordeaux, France, 7 - 09 September 2017, vol.22
- XII. **Polycationic Polymeric Brush Decoration on Polyurethane for Dual Effective Antibacterial Activity**
GÜLTEKİNOĞLU M., sarisözen y. t. , ERDOĞDU C., SAĞIROĞLU M., Oh Y. J. , Hinterdorfer P., AKSOY E. A. , ULUBAYRAM K.
46th IUPAC WORLD POLYMER CONGRESS, 17 - 21 July 2016
- XIII. **Polycationic Polymeric Brush Decoration on Polyurethane Dual Effective Antibacterial Activity**
GÜLTEKİNOĞLU M., TUNÇ SARISÖZEN Y., ERDOĞDU C., SAĞIROĞLU M., JIN OH Y., HINTERDORFER P., AKSOY E. A. , ULUBAYRAM K.
46th IUPAC World Polymer Congress MACRO2016, Turkey, 17 - 21 July 2016
- XIV. **Gut Microbiota in Patients with Non Alcoholic Fatty Liver Disease**
ERDOĞDU C., YALINAY A. M. , KARAKAN T.
ASM Microbe, 16 - 20 June 2016
- XV. **Antioxidant antimicrobial activities and total phenolic content of Prunus spinosa L subsp dasyphylla Schur Domin and its secondary metabolites**

ÇANKAYA İ. İ. , Anul S., EKİZOĞLU M., ERDOĞDU C., ÇİÇEK POLAT D., COŞKUN M.

2nd International Conference and Exhibition on Pharmacognosy, Phytochemistry & Natural Products, 25 - 27 August 2014

- XVI. **Biological activities and phytochemical analysis of Prunus spinosa L subsp dasyphylla Schur Domin**
ÇANKAYA İ. İ. , Anul S., EKİZOĞLU M., ERDOĞDU C.
9th International Symposium on Chromatography of Natural Products, 26 - 29 May 2014
- XVII. **Bazı Scutellaria türlerinin antimikrobiyal aktiviteleri**
ZC A., ERDOĞDU C., RENDA G., EKİZOĞLU M., Ezer N.
20. Bitkisel İlaç Hammaddeleri Toplantısı, Turkey, 10 - 13 October 2012
- XVIII. **Prunus spinosa L subsp Dasyphylla Schur domin türünün radikal süpürücü ve antimikrobiyal aktiviteleri ve total fenol içeriği**
Serap A., ÇANKAYA İ. İ. , EKİZOĞLU M., ERDOĞDU C., Polat Ç., COŞKUN M.
20. Bitkisel İlaç Hammaddeleri Toplantısı, Turkey, 10 - 13 October 2012
- XIX. **An investigation of disinfectant resistance gene in hospital isolated gram negative bacteria Microbes in Applied Research Current Advances and Challenges 461 463 Supp olarak basılı**
KART D., EKİZOĞLU M., Özkul C., GÜLMEZ KIVANÇ D., SAĞIROĞLU M.
IV International Conference on Environmental, Industrial and Applied Microbiology, Malaga, Spain, 14 - 16 October 2011, pp.461-463
- XX. **Detection of H. pylori vacA and cagA Virulence Genotypes by PCR**
ÖZKUL KOÇAK C., Saribas Z., Yilmaz Y.
22nd International Workshop on Helicobacter and Related Bacteria in Chronic Digestive Inflammation and Gastric Cancer, Oporto, Portugal, 17 - 19 September 2009, vol.14, pp.376

Supported Projects

YILDIZ O. B. , AÇIKGÖZ A., EYÜPOĞLU N. D. , YILMAZ IŞIKHAN S., ÖZKUL C., ÇALIŞKAN E., Project Supported by Higher Education Institutions, Polikistik Over Sendromlu Obez Kadınlarda İntestinal Mikrobiyotanın Reprodüktif Sistem ve Metabolizma Üzerine Etkilerinin İncelenmesi, 2018 - 2019

ÖZKUL KOÇAK C., ERDOĞAN KABLAN S., Project Supported by Higher Education Institutions, Nonalkolik Karaciğer Yağlanması Olan Hastalarda Mikrobiyota Analizleri, 2016 - 2017

YILDIZ O. B. , AKYÖN YILMAZ Y., ZENGİN M., MAMMADOVA G., ERDOĞDU C., Project Supported by Higher Education Institutions, Polikistik over sendromlu ve sağlıklı kadınlarda bağırsak mikrobiyota üyelerinden Prevotella melaninogenica ve Ruminococcus torques karşılaştırılması, 2016 - 2017

ÖZKUL KOÇAK C., TUBITAK Project, Nonalkolik Karaciğer Yağlanması Olan Hastalar ve Sağlıklı Bireylerde Barsak Mikrobiyotasının Moleküler Yöntemlerle Karşılaştırılması, 2014 - 2015

Citations

Total Citations (WOS):239

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