

## Prof. Berna ÖZBEK ÇELİK

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### Education Information

Doctorate, Istanbul University, Tıp Fakültesi, Klinik Mikrobiyoloji, Turkey 2000 - 2005

Postgraduate, Istanbul University, Faculty Of Pharmacy , Department of Basic Pharmaceutical Sciences, Turkey 1997 - 1999

Undergraduate, Istanbul University, Faculty Of Science, Department of Biology, Turkey 1991 - 1995

### Research Areas

Health Sciences, Microbiology and Clinical Microbiology, Pharmacology and Therapeutics, Basic Pharmaceutics Sciences, Pharmaceutical Microbiology, Microbiology, Natural Sciences

### Academic Titles / Tasks

Professor, Istanbul University, Faculty of Pharmacy , Department of Basic Pharmaceutical Sciences, 2017 - Continues  
Associate Professor, Istanbul University, Faculty Of Pharmacy , Department Of Basic Pharmaceutical Sciences, 2011 - 2017

Assistant Professor, Istanbul University, Faculty Of Pharmacy , Department Of Basic Pharmaceutical Sciences, 1997 - 2011

Research Assistant PhD, Istanbul University, Faculty Of Pharmacy , Department Of Basic Pharmaceutical Sciences, 2005 - 2007

Research Assistant, Istanbul University, Faculty Of Pharmacy , Department Of Basic Pharmaceutical Sciences, 1999 - 2005

### Academic and Administrative Experience

Head of Department, Istanbul University, 2015 - Continues

### Courses

İMMUNOLOJİ, Undergraduate, 2020 - 2021

## Advising Theses

Özbek Çelik B., Eravasiklinin tek başına ve çeşitli antibiyotikler ile kombinasyon halinde oluşturdukları etkilerinin achromobacter cinsi klinik suşlara karşı araştırılması, Postgraduate, B.ÖZER(Student), 2021

ÖZBEK ÇELİK B., ÇEŞİTLİ ANTİBİYOTİKLERİN KLEBSIELLA PNEUMONIAE BİYOFİLMİ ÜZERİNE ETKİLERİNİN İN-VİTRO KATETER MODELDE ARAŞTIRILMASI, Doctorate, E.MATARACI(Student), 2016

ÖZBEK ÇELİK B., TİGESİKLİNİN TEK BAŞINA VE KOLİSTİN SÜLFAT, SULBAKTAM VE LEVOFLOKSASİN İLE KOMBİNASYON HALİNDE ACİNETOBACTER BAUMANNII SUŞLARI ÜZERİNE ANTİBİYOTİK SONRASI ETKİSİNİN ARAŞTIRILMASI, Postgraduate, A.ŞENTÜRK(Student), 2011

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

- I. **Characterization and genomic analysis of PA-56 Pseudomonas phage from Istanbul, Turkey: Antibacterial and antibiofilm efficacy alone and with antibiotics**  
Damar Celik D., Karaynir A., Salih Dogan H., Bozdogan B., ÖZBEK ÇELİK B.  
Heliyon, vol.10, no.17, 2024 (SCI-Expanded)
- II. **Design, synthesis, in vitro and in silico characterization of plastoquinone analogs containing piperidine moiety as antimicrobial agents**  
Yıldız M., YILDIRIM H., BAYRAK N., Çakmak S. M., MATARACI KARA E., ÖZBEK ÇELİK B., Otsuka M., Fujita M., Radwan M. O., TUYUN A. F.  
Journal of Molecular Structure, vol.1277, 2023 (SCI-Expanded)
- III. **Comparative in vitro activities of eravacycline in combination with colistin, meropenem, or ceftazidime against various Achromobacter spp. strains isolated from patients with cystic fibrosis**  
Özer B., Özbek Çelik B.  
Journal of Chemotherapy, vol.35, no.8, pp.700-706, 2023 (SCI-Expanded)
- IV. **Natural-product-inspired design and synthesis of thiolated coenzyme Q analogs as promising agents against Gram-positive bacterial strains: insights into structure-activity relationship, activity profile, mode of action, and molecular docking**  
YILDIRIM H., YILDIZ M., BAYRAK N., Mataraci-Kara E., Ozbek-Celik B., Otsuka M., Fujita M., Radwan M. O., TuYuN A. F.  
RSC ADVANCES, vol.12, no.32, pp.20507-20518, 2022 (SCI-Expanded)
- V. **Discovery and structure-activity relationships of the quinolinequinones: Promising antimicrobial agents and mode of action evaluation**  
Mataraci-Kara E., BAYRAK N., YILDIZ M., YILDIRIM H., ÖZBEK ÇELİK B., Tuyun A. F.  
DRUG DEVELOPMENT RESEARCH, vol.83, no.3, pp.628-636, 2022 (SCI-Expanded)
- VI. **ANTIOXIDANT AND ANTIMICROBIAL ACTIVITIES OF FIVE ENDEMIC Hypericum SPECIES IN TURKEY**  
Gurer C. U., Ozkan E. E., Kultur S., Ozsoy N., Celik B. O., Mat A.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.31, no.5, pp.4651-4658, 2022 (SCI-Expanded)
- VII. **Bis(Substituted Phenylamino)Glyoxime derivatives: Synthesis, characterization, and antimicrobial evaluation**  
TUYUN A. F., BAYRAK N., YILDIRIM H., Yıldız M., MATARACI KARA E., ÖZBEK ÇELİK B.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1242, 2021 (SCI-Expanded)
- VIII. **Plastoquinone analogs: a potential antimicrobial lead structure intensely suppressing Staphylococcus epidermidis and Candida albicans growth**  
Mataracı Kara E., Bayrak N., Yıldırım H., Yıldız M., Ataman M., Özbek Çelik B., Tuyun A. F.  
MEDICINAL CHEMISTRY RESEARCH, vol.30, no.9, pp.1728-1737, 2021 (SCI-Expanded)
- IX. **Detailed characterization, antibiotic resistance and seasonal variation of hospital wastewater**

Gönder Z. B., Kara E., Celik B., Vergili I., Kaya Y., Altinkum S. M., Bagdatli Y., Yilmaz G.

ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.28, no.13, pp.16380-16393, 2021 (SCI-Expanded)

- X. **Antibacterial and antibiofilm activities of ceragenins against *Achromobacter* species isolated from cystic fibrosis patients**  
Damar-Celik D., Mataraci-Kara E., Savage P. B., Ozbek-Celik B.  
Journal of Chemotherapy, vol.33, no.4, pp.216-227, 2021 (SCI-Expanded)
- XI. **Brominated plastoquinone analogs: Synthesis, structural characterization, and biological evaluation**  
Bayrak N., Yıldız M., Yıldırım H., Mataracı Kara E., Özbek Çelik B., Tuyun A. F.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1219, 2020 (SCI-Expanded)
- XII. **Evaluation of antifungal and disinfectant-resistant *Candida* species isolated from hospital wastewater**  
Mataraci-Kara E., Ataman M., Yilmaz G., Ozbek-Celik B.  
ARCHIVES OF MICROBIOLOGY, vol.202, no.9, pp.2543-2550, 2020 (SCI-Expanded)
- XIII. **In Vitro Synergistic Effect and Mutant Prevention Concentrations of Cefepime Alone or in Combination with Sulbactam Against OXA-48-positive *Klebsiella pneumoniae* Isolates**  
Mataraci-Kara E., Yilmaz M., Özbek-Çelik B.  
Current Microbiology, vol.77, pp.2137-2142, 2020 (SCI-Expanded)
- XIV. **Synthesis and antibacterial activity of new hybrid derivatives of 5-sulfamoyl-1H-indole and 4-thiazolidinone groups**  
Guzel-Akdemir O., Trawally M., Ozbek-Babuc M., Ozbek-Celik B., Ermut G., Ozdemir H.  
MONATSHEFTE FÜR CHEMIE, vol.151, pp.1443-1452, 2020 (SCI-Expanded)
- XV. **Comparative in vitro activities of meropenem in combination with colistin, levofloxacin, or chloramphenicol against *Achromobacter xylosoxidans* strains isolated from patients with cystic fibrosis**  
Damar-Çelik D., Nørskov-Lauritsen N., Özbek-Çelik B.  
Journal of Global Antimicrobial Resistance, vol.22, pp.713-717, 2020 (SCI-Expanded)
- XVI. **Synergistic activities of ceftazidime-avibactam in combination with different antibiotics against colistin-nonsusceptible clinical strains of *Pseudomonas aeruginosa***  
MATARACI KARA E., Yilmaz M., İstanbullu Tosun A., ÖZBEK ÇELİK B.  
Infectious Diseases, vol.52, no.9, pp.616-624, 2020 (SCI-Expanded)
- XVII. **Evaluation of the synergy of ceftazidime/avibactam in combination with colistin, doripenem, levofloxacin, tigecycline, and tobramycin against OXA-48 producing Enterobacterales**  
MATARACI KARA E., Yilmaz M., İstanbullu Tosun A., ÖZBEK ÇELİK B.  
Journal of Chemotherapy, vol.32, no.4, pp.171-178, 2020 (SCI-Expanded)
- XVIII. **Two new phenolic compounds and some biological activities of *Scorzonera pygmaea* Sibth. & Sm. subaerial parts**  
Şahin H., Sarı A., Özsoy N., Özbek Çelik B., Koyuncu O.  
Natural Product Research, vol.34, pp.621-628, 2020 (SCI-Expanded)
- XIX. **The in vitro and in vivo investigation of biological activities and phenolic analysis of *helichrysum plicatum* subsp. *Plicatum***  
TAŞKIN T., Gezmiş T., ÇAM M. E., Taşkın D., Çelik B. Ö., ŞENKARDEŞ İ., Süzgeç-Selçuk S.  
Brazilian Journal of Pharmaceutical Sciences, vol.56, pp.1-10, 2020 (SCI-Expanded)
- XX. **Discovery of a new family of heterocyclic amine linked plastoquinone analogs for antimicrobial evaluation**  
Tuyun A. F., Yildiz M., Bayrak N., Yildirim H., Kara E., Jannuzzi A. T., Celik B. O.  
DRUG DEVELOPMENT RESEARCH, vol.80, no.8, pp.1098-1109, 2019 (SCI-Expanded)
- XXI. **Thiolated plastoquinone analogs: Synthesis, characterization, and antimicrobial evaluation**  
Yildirim H., Bayrak N., Yildiz M., Kara E., Celik B., Tuyun A. F.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1195, pp.681-688, 2019 (SCI-Expanded)
- XXII. **Comparative In Vitro Activities of First and Second-Generation Ceragenins Alone and in Combination with Antibiotics Against Multidrug-Resistant *Klebsiella pneumoniae* Strains**

- Ozbek-Celik B., Damar-Celik D., Mataraci-Kara E., Bozkurt-Guzel Ç., Savage P. B.  
ANTIBIOTICS-BASEL, vol.8, no.3, 2019 (SCI-Expanded)
- XXIII. **Phenolic compounds and in vitro antioxidant, anti-inflammatory, antimicrobial activities of Scorzonera hieraciifolia Hayek roots**  
SARI A., ŞAHİN H., ÖZSOY N., ÖZBEK ÇELİK B.  
South African Journal of Botany, vol.125, pp.116-119, 2019 (SCI-Expanded)
- XXIV. **Evaluation of antimicrobial and cytotoxic effects of four turkish species of eryngium L.**  
Celik B. O., KARA M. T., Guze C. B., Genç G. E., GENÇ İ., Anil S. K., Melikodlu G.  
Bangladesh Journal of Botany, vol.48, no.2, pp.271-278, 2019 (SCI-Expanded)
- XXV. **EVALUATION OF ANTIMICROBIAL AND CYTOTOXIC EFFECTS OF FOUR TURKISH SPECIES OF ERYNGIUM L.**  
Özbek Çelik B., Mataracı Kara E., Bozkurt Güzel Ç., Ecevit Genç G., Genç İ., Kurtoğlu Anıl S., Melikoğlu G.  
Bangladesh Journal Of Botany, vol.48, no.2, pp.271-278, 2019 (SCI-Expanded)
- XXVI. **In vitro activities of ceftazidime/avibactam alone or in combination with antibiotics against multidrug-resistant Acinetobacter baumannii isolates**  
Kara E., Yilmaz M., Celik B. O.  
JOURNAL OF GLOBAL ANTIMICROBIAL RESISTANCE, vol.17, pp.137-141, 2019 (SCI-Expanded)
- XXVII. **EVALUATION OF ANTIMICROBIAL AND CYTOTOXIC EFFECTS OF FOUR TURKISH SPECIES OF ERYNGIUM L.**  
Celik B., Kara E. M., Guzel Ç., Genc G. E., Genc İ., Anil S. K., Melikoglu G.  
BANGLADESH JOURNAL OF BOTANY, vol.48, no.2, pp.271-277, 2019 (SCI-Expanded)
- XXVIII. **Comparative in vitro activities of ceragenins and various antibiotics against Achromobacter species isolated from cystic fibrosis patients**  
Damar Çelik D., Özbek Çelik B.  
Journal Of Cystic Fibrosis, vol.18, no.1, pp.100-101, 2019 (SCI-Expanded)
- XXIX. **Antimicrobial activity of rhizomes of Ferulago trachycarpa Boiss. and bioguided isolation of active coumarin constituents**  
DİKPİNAR T., Suzgec-Selcuk S., Celik B. O., Urusak E.  
Industrial Crops and Products, vol.123, pp.762-767, 2018 (SCI-Expanded)
- XXX. **FLAVONOIDS AND BIOLOGICAL ACTIVITIES OF CENTAUREA NERIMANIAE S. KULTUR**  
Melikoglu G., Ozsoy N., Yilmaz-Ozden T., Erbay M. S., Anil S., Celik B. O., Kultur S.  
FARMACIA, vol.66, pp.1070-1075, 2018 (SCI-Expanded)
- XXXI. **Reliability and validity of Duruoş Hand Index in carpal tunnel syndrome**  
Goksenoglu G., Paker N., Celik B., Bugdayci D., Demircioglu D., Kesiktas N.  
TURKISH JOURNAL OF PHYSICAL MEDICINE AND REHABILITATION, vol.64, no.3, pp.277-283, 2018 (SCI-Expanded)
- XXXII. **Investigation of the effects of various antibiotics against Klebsiella pneumoniae biofilms on in vitro catheter model**  
Kara E. M., Celik B.  
JOURNAL OF CHEMOTHERAPY, vol.30, no.2, pp.82-88, 2018 (SCI-Expanded)
- XXXIII. **Variation of alkaloid contents and antimicrobial activities of Papaver rhoeas L. growing in Turkey and northern Cyprus**  
Coban I., Toplan G. G., Ozbek B., Gurer C. U., Sariyar G.  
PHARMACEUTICAL BIOLOGY, vol.55, no.1, pp.1894-1898, 2017 (SCI-Expanded)
- XXXIV. **In vitro biological effects of Crataegus microphylla C. Koch**  
Aksoy-Sagirli P., Yilmaz-Ozden T., Ozsoy N., Çelik B., Kultur S., Melikoglu G.  
INDIAN JOURNAL OF TRADITIONAL KNOWLEDGE, vol.16, no.2, pp.189-196, 2017 (SCI-Expanded)
- XXXV. **Characterization and toxicity of hospital wastewaters in Turkey**  
Yilmaz G., Kaya Y., Vergili I., Gonder Z. B., Ozhan G., Celik B. O., Altinkum S. M., Bagdatli Y., BOERGERS A., TUERK J.  
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.189, no.2, 2017 (SCI-Expanded)
- XXXVI. **2,3-Disubstituted-1,4-naphthoquinones containing an arylamine with trifluoromethyl group:**

**synthesis, biological evaluation, and computational study**

Yildirim H., Bayrak N., Tuyun A. F., Kara E. M., Celik B. O., Gupta G. K.  
RSC ADVANCES, vol.7, no.41, pp.25753-25764, 2017 (SCI-Expanded)

**XXXVII. Synthesis, Computational Study, and Evaluation of In Vitro Antimicrobial, Antibiofilm, and Anticancer Activities of New Sulfanyl Aminonaphthoquinone Derivatives**

Bayrak N., Yildirim H., Tuyun A. F., Kara E. M., Celik B. O., Gupta G. K., Ciftci H. I., Fujita M., Otsuka M., Nasırı H. R.  
LETTERS IN DRUG DESIGN & DISCOVERY, vol.14, no.6, pp.647-661, 2017 (SCI-Expanded)

**XXXVIII. Synthesis, Biological, and Computational Study of Naphthoquinone Derivatives Containing Heteroatoms**

Bayrak N., Yildirim H., Tuyun A. F., Kara E. M., Celik B. O., Gupta G. K.  
JOURNAL OF THE CHEMICAL SOCIETY OF PAKISTAN, vol.38, no.6, pp.1211-1221, 2016 (SCI-Expanded)

**XXXIX. Comparative in vitro efficacies of various antipseudomonal antibiotics based catheter lock solutions on eradication of Pseudomonas aeruginosa biofilms**

Ozbek B., Mataraci-Kara E.  
Journal of Chemotherapy, vol.28, no.1, pp.20-24, 2016 (SCI-Expanded)

**XL. In vitro activities of colistin, tigecycline and tobramycin, alone or in combination, against carbapenem-resistant Enterobacteriaceae strains**

Ozbek B., Mataraci-Kara E., Er S., Ozdamar M., Yilmaz M.  
JOURNAL OF GLOBAL ANTIMICROBIAL RESISTANCE, vol.3, no.4, pp.278-282, 2015 (SCI-Expanded)

**XLI. ANTIOXIDANT, ANTI-INFLAMMATORY, ACETYLCHOLINESTERASE INHIBITORY AND ANTIMICROBIAL ACTIVITIES OF TURKISH ENDEMIC CENTAUREA ANTIOCHIA VAR-PRAEALTA**

Ozsoy N., Kultur S., Yilmaz-Ozden T., Celik B. O., Can A., Melikoglu G.  
JOURNAL OF FOOD BIOCHEMISTRY, vol.39, no.6, pp.771-776, 2015 (SCI-Expanded)

**XLII. Synthesis and In Vitro Biological Evaluation of Aminonaphthoquinones and Benzo[b]phenazine-6,11-dione Derivatives as Potential Antibacterial and Antifungal Compounds**

Tuyun A. F., Bayrak N., Yildirim H., Onul N., Kara E. M., Celik B. O.  
JOURNAL OF CHEMISTRY, vol.2015, 2015 (SCI-Expanded)

**XLIII. The effects of orthotic intervention on nerve conduction and functional outcome in Carpal Tunnel Syndrome: A prospective follow-up study**

Celik B., Raker N., Celik E. C., Bugdayci D. S., Ones K., Ince N.  
JOURNAL OF HAND THERAPY, vol.28, no.1, pp.34-38, 2015 (SCI-Expanded)

**XLIV. A new series of Cu(II) and Ni(II) complexes of NO bidentate 4-NO<sub>2</sub>-benzoylhydrazones: synthesis, characterization, and biological studies**

Kucuk H. B., Kara E. M., Celik B.  
TURKISH JOURNAL OF CHEMISTRY, vol.39, no.5, pp.939-954, 2015 (SCI-Expanded)

**XLV. Comparative in vitro efficacies of various antipseudomonal antibiotics based catheter lock solutions on eradication of Pseudomonas aeruginosa biofilms**

Özbek Çelik B., Mataracı Kara E.  
Journal Of Chemotherapy, vol.25, pp.1-5, 2014 (SCI-Expanded)

**XLVI. Potential Synergy Activity of the Novel Ceragenin, CSA-13, against Carbapenem-Resistant Acinetobacter baumannii Strains Isolated from Bacteremia Patients**

Bozkurt-Guzel Ç., SAVAGE P. B., AKÇALI A., Ozbek-Celik B.  
BIOMED RESEARCH INTERNATIONAL, vol.2014, 2014 (SCI-Expanded)

**XLVII. Effects of Various Antibiotics Alone or in Combination with Doripenem against Klebsiella pneumoniae Strains Isolated in an Intensive Care Unit**

Celik B., Mataraci-Kara E., Yilmaz M.  
BIOMED RESEARCH INTERNATIONAL, 2014 (SCI-Expanded)

**XLVIII. Chemical composition and biological activities of Hypericum pamphylicum**

Ozkan E. E., Ozsoy N., Ozhan G., Celik B. O., Mat A.  
INDUSTRIAL CROPS AND PRODUCTS, vol.50, pp.182-189, 2013 (SCI-Expanded)

**XLIX. In vitro effectiveness of colistin, tigecycline and levofloxacin alone and combined with**

**clarithromycin and/or heparin as lock solutions against embedded Acinetobacter baumannii strains**

Ozbek B., Mataraci E.

JOURNAL OF ANTIMICROBIAL CHEMOTHERAPY, vol.68, no.4, pp.827-830, 2013 (SCI-Expanded)

- L. **Reliability of the Turkish version of the hospital anxiety and depression scale in the people with traumatic spinal cord injury**  
Paker N., Bugdayci D., Midik M., Celik B., Kesiktas N.  
NEUROREHABILITATION, vol.33, no.2, pp.337-341, 2013 (SCI-Expanded)
- LI. **Synthesis, characterization and biological activity of a new long-chain imine ligand and some transition metal complexes in solvent-free conditions**  
TÜNCEL ELMALI F., Sutay B., Ozbek B., DEMİRHAN N.  
MAIN GROUP CHEMISTRY, vol.11, no.3, pp.217-222, 2012 (SCI-Expanded)
- LII. **Synthesis and Antimicrobial Activity of Some Novel Schiff Bases Containing 1,2,4-Triazole-3-thione**  
Calisir M. M., Koçyiğit-Kaymakçioğlu B., Ozbek B., Otuk G.  
E-JOURNAL OF CHEMISTRY, vol.7, 2010 (SCI-Expanded)
- LIII. **In vitro activities of tigecycline alone and in combination with colistin sulfate or sulbactam against carbapenem-susceptible and -resistant Acinetobacter baumannii strains isolated from Intensive Care Units**  
Ozbek B., Otuk G.  
INTERNATIONAL JOURNAL OF ANTIMICROBIAL AGENTS, vol.36, no.2, pp.191-192, 2010 (SCI-Expanded)
- LIV. **Postantibiotic Effects of Tigecycline, Colistin Sulfate, and Levofloxacin Alone or Tigecycline-Colistin Sulfate and Tigecycline-Levofloxacin Combinations against Acinetobacter baumannii**  
Ozbek B., Senturk A.  
CHEMOTHERAPY, vol.56, no.6, pp.466-471, 2010 (SCI-Expanded)
- LV. **Post-Antibiotic Effect of Levofloxacin and Tobramycin Alone or in Combination with Cefepime against Pseudomonas aeruginosa**  
Ozbek B., Otuk G.  
CHEMOTHERAPY, vol.55, no.6, pp.446-450, 2009 (SCI-Expanded)
- LVI. **Body composition after stroke**  
Celik B., Ones K., Ince N.  
INTERNATIONAL JOURNAL OF REHABILITATION RESEARCH, vol.31, no.1, pp.93-96, 2008 (SSCI)
- LVII. **Sex hormone levels and functional outcomes**  
Celik B., Sahin A., Caglar N., Erhan B., Gunduz B., Gultekin O., Karabulut M.  
AMERICAN JOURNAL OF PHYSICAL MEDICINE & REHABILITATION, vol.86, no.10, pp.784-790, 2007 (SCI-Expanded)
- LVIII. **Quality of life after spinal cord injury: The comparison of the SF-36 health survey and its spinal cord injury-modified version in assessing the health status of people with spinal cord injury**  
Unalan H., Celik B., Sahin A., Caglar N., Esen S., Karainehnietoglu S. S.  
NEUROSURGERY QUARTERLY, vol.17, no.3, pp.175-179, 2007 (SCI-Expanded)
- LIX. **Domain-specific quality of life assesment in spinal cord injured patients**  
Celik B., Gultekin O., Beydogan A., Caglar N.  
INTERNATIONAL JOURNAL OF REHABILITATION RESEARCH, vol.30, no.2, pp.97-101, 2007 (SSCI)
- LX. **Synthesis and antimicrobial activity of some novel derivatives of benzofuran: part 1. Synthesis and antimicrobial activity of (benzofuran-2-yl)(3-phenyl-3-methylcyclobutyl) ketoxime derivatives**  
Koca M., Servi S., Kirilmiş C., Ahmedzade M., Kazaz C., Ozbek B., Otuk G.  
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.40, no.12, pp.1351-1358, 2005 (SCI-Expanded)
- LXI. **Traditional medicine in Sakarya province (Turkey) and antimicrobial activities of selected species**  
UZUN E., ÖZBEK ÇELİK B., ÖTÜK G., MAT A., SARIYAR G.  
JOURNAL OF ETHNOPHARMACOLOGY, vol.95, pp.287-296, 2004 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Isolation and characterization of bacteriophage SA-19 and investigation of antibiofilm effect against clinical strains**  
Damar Çelik D., ÖZBEK ÇELİK B.  
Journal of Research in Pharmacy, vol.28, no.2, pp.505-515, 2024 (ESCI)
- II. **Antiviral Properties of 5-Sulfamoyl-1H-Indole-Linked Spirothiazolidinone Derivatives: A Study on Human Parainfluenza Virus-2**  
Trawally M., YILMAZ F. N., ÖZBEK ÇELİK B., Akdemir A., GÜZEL AKDEMİR Ö.  
Journal of Research in Pharmacy, vol.28, no.1, pp.213-224, 2024 (ESCI)
- III. **Phytochemical studies of Helichrysum armenium subsp. armenium and its antioxidant, acetylcholinesterase, and antimicrobial activities**  
Kekeç N., TAŞKIN T., AĞAR D. N., ÖZBEK ÇELİK B., KÜLTÜR Ş., SÜZGEÇ SELÇUK S.  
Journal of Research in Pharmacy, vol.28, no.3, pp.630-640, 2024 (ESCI)
- IV. **Evaluation of some o-benzenedisulfonimido- sulfonamide derivatives as potent antimicrobial agents**  
Demir Yazıcı K., Yılmaz F. N., Özbek Çelik B., Güzel Akdemir Ö.  
Istanbul Journal of Pharmacy, vol.52, no.3, pp.297-301, 2022 (Peer-Reviewed Journal)
- V. **Development of Innovative Cosmetic Formulations to Help Fungal Treatment and Testing the Efficiency of Formulations**  
YENER F. G., ACAR C., ÖZBEK ÇELİK B., MATARACI KARA E.  
FABAD JOURNAL OF PHARMACEUTICAL SCIENCES, vol.47, no.3, pp.3347-354, 2022 (Scopus)
- VI. **Quality of turmeric powder in herbal stores: pharmacognostical investigations on turmeric powders obtained from herbal stores in Istanbul, Turkey**  
Kuruldak E., Yılmaz F. N., Toplan G. G., Çelik B. O., Mat A.  
ISTANBUL JOURNAL OF PHARMACY, vol.51, no.1, pp.92-97, 2021 (ESCI)
- VII. **In vitro antibacterial activity of eravacycline against multidrug-resistant Acinetobacter baumannii isolates**  
Ataman M., Mataraci-Kara E., Ozbek-Celik B.  
JOURNAL OF RESEARCH IN PHARMACY, vol.25, no.5, pp.549-553, 2021 (ESCI)
- VIII. **Antibacterial And Anticarcinogenic Evaluation Of Commercial Calendula Officinalis And Taraxacum Officinale**  
ARİF A. K., ÖZGER H., CANSEVER K., KARA M., YILMAZ F. N., ÖZBEK ÇELİK B.  
International Journal Of Pharmacognosy, vol.7, no.11, pp.322-325, 2020 (Peer-Reviewed Journal)
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- LIV. **Biological activity of Hypericum pamphylicum, an endemic species of Turkey**  
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- LV. **Alkaloids and Antimicrobial Activities of Papaver clavatum and P. stylatum**  
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## Supported Projects

ÖZBEK ÇELİK B., Project Supported by Other Private Institutions, Tuncel Elmalı F, Demirhan N, Özbek Çelik B, Hezam AS. Benzopiridin Türevli Schiff Bazları ve Cu(I), Ru(II) Komplekslerinin Sentezi, Karakterizasyonu ve Biyolojik Aktivitelerinin İncelenmesi, YTÜ Normal Araştırma Projesi, 2017 - Continues

ÖZBEK ÇELİK B., Project Supported by Other Official Institutions, Alp H, Yıldırım NC, Mataracı E, PaksOy MY, Paksoy M, Özbek Çelik B. Türkiye'de Yayılış Gösteren Conringia Heist. ex Fabr. Cinsine Ait Bazı Türlerin Sitotoksik Etkileri ile Antioksidan, Antimikrobiyal ve Anti-biyofilm Aktivitelerinin Belirlenmesi, 2016 - Continues

SÜZGEÇ SELÇUK S., TAŞKIN T., ÖZBEK ÇELİK B., KAHRAMAN E., ÖZDEMİR M., Project Supported by Higher Education Institutions, Soğuk Algınlığı Üzerine Etkili Tıbbi Çay Droğları Üzerinde Araştırmalar, 2022 - 2024

ÖZBEK ÇELİK B., DAMAR ÇELİK D., Project Supported by Higher Education Institutions, Bakteriyofajların Klinik Kökenli Bakterilere Karşı Antimikrobiyal ve Antibiyofilm Özelliklerinin Araştırılması, 2021 - 2023

MATARACI KARA E., ÖZBEK ÇELİK B., YILMAZ M., Project Supported by Higher Education Institutions, Sefiderokol'un tek başına ve kombinasyon halinde Çoklu İlaç Dirençli Acinetobacter baumannii suşlarına karşı oluşturduğu in-vitro etkilerin incelenmesi, 2020 - 2023

ÖZBEK ÇELİK B., MATARACI KARA E., Project Supported by Higher Education Institutions, Eravasiklinin tek başına ve kombinasyon halinde çoklu ilaç dirençli Enterobacteriaceae suşlarına karşı oluşturduğu in vitro etkilerin incelenmesi, 2020 - 2023

ÖZBEK ÇELİK B., ATAMAN M., Project Supported by Higher Education Institutions, Eravasiklin'in tek başına ve çeşitli antibiyotiklerle kombinasyon halinde Acinetobacter baumannii suşlarına karşı in vitro antimikrobiyal etkinliklerinin araştırılması, 2019 - 2023

ÖZBEK ÇELİK B., ÖZER B., Project Supported by Higher Education Institutions, Eravasiklinin tek başına ve çeşitli antibiyotikler ile kombinasyon halinde oluşturdukları etkilerin Achromobacter cinsi klinik suşlara karşı araştırılması, 2021 - 2022

MATARACI KARA E., ÖZBEK ÇELİK B., YILMAZ M., Project Supported by Higher Education Institutions, Seftazidim/Avibaktamın Çeşitli Klinik Örneklerden İzole Edilen Pseudomonas aeruginosa Suşları Üzerine Farmakodinamik Etkilerinin Araştırılması, 2018 - 2020

Yıldız M., Tuyun A. F., Bayrak N., Yıldırım H., Mataracı Kara E., Özbek Çelik B., Project Supported by Higher Education Institutions, Piperazin Grubu İçeren Dimetilbenzokinonların Sentezi Ve Elde Edilen Bileşiklerin Antimikrobiyal Aktivitelerinin İncelenmesi, 2018 - 2020

Mataracı Kara E., Özbek Çelik B., Yıldırım N. C., Alp H., Yıldırım N., Paksoy M. Y., Project Supported by Other Official Institutions, Türkiye'de yayılış gösteren Conringia Heist.ex Fabr. Cinsine Ait Bazı Türlerin Sitotoksik Etkileri ile Antioksidan, Antimikrobiyal ve Antibiyofilm Aktivitelerinin Belirlenmesi, 2017 - 2019

BAŞPINAR KÜÇÜK H., MATARACI KARA E., ÖZBEK ÇELİK B., Project Supported by Higher Education Institutions, Bazı Yeni Oksimino Alkoller ve Amino Alkollerin Sentezi, 2017 - 2018

ÖZBEK ÇELİK B., DAMAR D., Project Supported by Higher Education Institutions, Çeşitli Antibiyotiklerin Tek Başına ve Kombinasyon Halinde Achromobacter xylosoxidans Suşları Üzerine Antibiyotik Sonrası Etkisinin Araştırılması, 2017 - 2018

MATARACI KARA E., ÖZBEK ÇELİK B., YILMAZ M., Project Supported by Higher Education Institutions, Karbapenem dirençli Acinetobacter baumannii suşlarına karşı seftazidim/avibaktamın çeşitli antibiyotiklerle kombinasyonlarının etkinliğinin incelenmesi, 2016 - 2018

ÖZBEK ÇELİK B., Project Supported by Higher Education Institutions, Çeşitli antibiyotiklerin tek başlarına ve kombinasyon halinde Escherichia coli biyofilmi üzerine etkinliği, 2015 - 2018

ÖZBEK ÇELİK B., BOZKURT GÜZEL Ç., ÜNAL D. Ş., MATARACI KARA E., ARAMAN A. O., Project Supported by Higher Education Institutions, ÜLKEMİZDE ÜRETİLEN STERİL OLMAYAN FARMASÖTİK ÜRÜNLERİN MİKROBİYOLOJİK VE KİMYASAL ÖZELLİKLERİNİN ARAŞTIRILMASI, 2015 - 2018

VERGİLİ İ., YILMAZ G., KAYA Y., ÖZÇELEP Z. B., ÖZBEK ÇELİK B., ÖZHAN G., TUBITAK Project, Hastane Atıksularının Karakterizasyonu ve Toz Aktif Karbon İlaveli Membran Biyoreaktörde Arıtımı, 2014 - 2018

TUYUN A. F., YILDIRIM H., YILDIZ M., BAYRAK N., ÖZBEK ÇELİK B., MATARACI KARA E., Project Supported by Higher Education Institutions, 2,3-Diklor-1,4-kinonların Aromatik Birincil Aminlerle Olan Reaksiyonlarından 2-Amino-3-klor-1,4-kinon Türevlerinin Sentezi Ve Elde Edilen Bileşiklerin Biyolojik Aktivitelerinin İncelenmesi, 2016 - 2017

ÖZBEK ÇELİK B., Project Supported by Higher Education Institutions, CSA-13 katyonik steroid antibiyotiğn Klebsiella pneumoniae suşları üzerine farmakodinamik etkinliklerinin araştırılması, 2014 - 2017

ECEVİT GENÇ G., MELİKOĞLU G., ANIL S., GENÇ İ., AKSOY SAĞIRLI P., ÖZBEK ÇELİK B., Project Supported by Higher Education Institutions, Türkiye’de Yayılış Gösteren Endemik Eryngium Türlerinin Kimyasal İçerikleri ve Aktiviteleri Üzerine Araştırmalar, 2014 - 2017

ÖZBEK ÇELİK B., Project Supported by Higher Education Institutions, Sorbik asit içeren kateter lock solüsyonlarının in-vitro etkinliği, 2014 - 2017

TUYUN A. F., BAYRAK N., YILDIRIM H., MATARACI KARA E., ÖZBEK ÇELİK B., NASİRİ H. R., Project Supported by Higher Education Institutions, Antimicrobial and Anticancer Activities of Amino Sulfanyl 1,4-Naphthoquinone and Benzo[b]phenazine-6,11-dione Derivatives, 2016 - 2016

ÖZBEK ÇELİK B., MATARACI KARA E., Project Supported by Higher Education Institutions, Investigation of the effects of various antibiotics against Klebsiella pneumoniae biofilms on invitro catheter model, 2016 - 2016

ÖZBEK ÇELİK B., MATARACI KARA E., Project Supported by Higher Education Institutions, ÇEŞİTLİ ANTİBİYOTİKLERİN KLEBSİELLA PNEUMONİAE BİYOFİLMİ ÜZERİNE ETKİLERİNİN İN-VİTRO KATETER MODELDE ARAŞTIRILMASI, 2013 - 2016

ÖZBEK ÇELİK B., Project Supported by Higher Education Institutions, IN VITRO SYNERGISTIC EFFECTS OF COLISTIN, TIGECYCLINE, TOBRAMYCIN AND DORIPENEM ALONE OR IN COMBINATIONS AGAINST CARBAPENEM-RESISTANT ENTEROBACTERIACEAE STRAINS, 2015 - 2015

ÖZBEK ÇELİK B., MATARACI KARA E., Project Supported by Higher Education Institutions, Doripenemin Farmakodinamik Parametrelerinin Klebsiella pneumoniae Suşlarına karşı Araştırılması, 2013 - 2015

Özbek Çelik B., Project Supported by Other Private Institutions, Investigation of Ambler Class A and D beta Lactamases in Multidrug Resistant Pseudomonas Aeruginosa Isolates” Federation of European Microbiological Societies Bursu IX. Paris Sud Universitesi South Paris Medical School Bakteriyoloji-Virology Department, 2007 - 2007

## Patent

Bayrak N., Yıldırım H., Tuyun A. F., Mataracı Kara E., Özbek Çelik B., Bazı Gram Pozitif Bakterilere Karşı Aktiviteye Sahip Amino Azanaftokinon Bileşikleri, Patent, CHAPTER A Human Needs, The Invention Registration Number: TR 2018 10318 A2 , Standard Registration, 2023

Yıldırım H., Bayrak N., Tuyun A. F., Mataracı Kara E., Özbek Çelik B., Antibakteriyel Aktiviteye Sahip 2-Alkiltiyo-3-Arilamino-1,4-Naftokinon Bileşikleri, Patent, CHAPTER A Human Needs, The Invention Registration Number: TR 2018 00021 A2 , Standard Registration, 2023

## Activities in Scientific Journals

Journal of Faculty of Pharmacy of Istanbul University, Assistant Editor/Section Editor, 2014 - Continues

## Memberships / Tasks in Scientific Organizations

ANKEM, Member, 2007 - Continues

TÜRK MİKROBİYOLOJİ CEMİYETİ, Member, 2000 - Continues

## Scientific Refereeing

TUBITAK Project, 1003 - Priority Areas R&D Projects Support Program, Istanbul University, Turkey, May 2020

Marmara Pharmaceutical Journal , National Scientific Refreed Journal, June 2016  
African Journal of Microbiology Research , SCI Journal, April 2016  
Critical Care, SCI Journal, January 2016  
JAC, SCI Journal, September 2014  
African Journal of Microbiology Research, National Scientific Refreed Journal, December 2012

## **Scientific Consultations**

İstanbul Eczacı Odası, Scientific Consultancy, Istanbul University, Faculty Of Pharmacy , Department of Basic Pharmaceutical Sciences, Turkey, 2020 - Continues

## **Metrics**

Publication: 147  
Citation (WoS): 806  
Citation (Scopus): 810  
H-Index (WoS): 16  
H-Index (Scopus): 16

## **Congress and Symposium Activities**

Acinetobacter2013, Attendee, KÖLN, Germany, 2013

## **Scholarships**

Federation of European Microbiology Societies Grant, European Commission, 2006 - Continues

## **Awards**

ÖZBEK ÇELİK B., EZC.EROL TOKSÖZ İLAÇ ÖDÜLLER, SANOVEL İLAÇ SANAYİİ, March 2013

## **Non Academic Experience**

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