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Eğitim Bilgileri

Doktora, Anadolu Üniversitesi, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmasötik Kimya (Dr), Türkiye 2005 - 2009

Yüksek Lisans, Anadolu Üniversitesi, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmasötik Kimya (YI) (Tezli), Türkiye 2002 - 2004

Lisans, Anadolu Üniversitesi, ECZACILIK FAKÜLTESİ, Eczacılık Pr., Türkiye 1999 - 2003

Yaptığı Tezler

Doktora, Bazı 2-Sübstitüye-N-[4-(1-Metil-4,5-Difenil-1H-İmidazol-2-İl)Fenil] Asetamid Türevlerinin Sentezleri ve Antikanser Aktivitelerinin Araştırılması Üzerine Çalışmalar, Anadolu Üniversitesi, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmasötik Kimya (Dr), 2009

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Araştırma Alanları

Farmasötik Kimya

Akademik Unvanlar / Görevler

Prof. Dr., Anadolu Üniversitesi, ECZACILIK FAKÜLTESİ, ECZACILIK MESLEK BİLİMLERİ BÖLÜMÜ, 2018 - Devam Ediyor

Doç. Dr., Anadolu Üniversitesi, ECZACILIK FAKÜLTESİ, ECZACILIK MESLEK BİLİMLERİ BÖLÜMÜ, 2012 - 2018

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Akademik İdari Deneyim

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Verdiği Dersler

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MEDİSİNAL KİMYANIN TEMEL PRENSİPLERİ, Yüksek Lisans, 2012 - 2013
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SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Synthesis of new piperazine-oxadiazole derivatives and investigation of their anticancer activities**
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- II. **Metabolic engineering of *Saccharomyces cerevisiae* for enhanced taxadiene production**
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- III. **Investigation of anticancer effects of novel piperidine-oxadiazole and piperidine-triazole derivatives as VEGFR inhibitors and evaluation of their molecular docking-dynamic studies**
OSMANİYE D., Ali S. J. H., Celikates B., ILGIN S., ÖZKAY Y., KAPLANCIKLI Z. A.
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- IV. **Synthesis, Characterization, and *In vitro* and *In Silico* Studies of New Triazole Derivatives as Aromatase Inhibitors**
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- V. **Development and assessment of novel pyrazole-thiadiazol hybrid derivatives as VEGFR-2 inhibitors: design, synthesis, anticancer activity evaluation, molecular docking, and molecular dynamics simulation**
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- VI. **Synthesis, molecular dynamics simulation, and evaluation of biological activity of novel flurbiprofen**

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- VII. **Design, Synthesis, Investigation, and Biological Activity Assessments of (4-Substituted-Phenyl)-*N*-(3-morpholinopropyl)-3-phenylthiazol-2(3*H*)-imine Derivatives as Antifungal Agents**
Haji Ali S., OSMANİYE D., Sağlık B. N., LEVENT S., ÖZKAY Y., KAPLANCIKLI Z. A.
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- VIII. **Design, synthesis, and investigation of biological activities of new triazole derivatives with antifungal effect**
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- IX. **Selective in vitro Synergistic Evaluation of Probiotic Tolerant morpholinyl- and 4-ethylpiperazinyl-Imidazole-chalcone Derivatives on Gastrointestinal System Pathogens**
Soylemez T., Kaplanckli Z. A., OSMANİYE D., ÖZKAY Y., DEMİRCİ F.
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- X. **New benzimidazole-oxadiazole derivatives as potent VEGFR-2 inhibitors: Synthesis, anticancer evaluation, and docking study**
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- XI. ***In Vitro* Enzyme Activity and Molecular Docking Studies of Pyrazoline Derivatives as Monoamine Oxidase Inhibitors**
Sakarya M. T., Gul H. I., Yamali C., ÖZKAY Y., Tok T. T.
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- XII. **Synthesis, DFT Calculations, *In Silico* Studies, and Antimicrobial Evaluation of Benzimidazole-Thiadiazole Derivatives**
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- XIII. **New Benzimidazole-Triazole Derivatives as Topoisomerase I Inhibitors: Design, Synthesis, Anticancer Screening, and Molecular Modeling Studies**
Acar Çevik U., Çavuşoğlu B. K., Çelik İ., Rudrapal M., Rakshit G., Karayel A., Levent S., Osmaniye D., Sağlık Özkan B. N., Baysal M., et al.
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- XIV. **Design, Synthesis, and Biological Effect Studies of Novel Benzofuran–Thiazolyldrazone Derivatives as Monoamine Oxidase Inhibitors**
Osmaniye D., Sağlık Özkan B. N., Levent S., Acar Çevik U., İlgin S., Yurttaş L., Özkay Y., Karaburun A. Ç., Kaplanckli Z. A., Gündoğdu-Karaburun N.
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- XV. **Synthesis, characterization, biological evaluation and in silico studies of novel 1,3,4-thiadiazole derivatives as aromatase inhibitors**
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- XVI. **Design, synthesis and biological evaluation of novel ketone derivatives containing benzimidazole and 1,3,4-triazole as CA inhibitors**
ACAR ÇEVİK U., Isik A., Kapavarapu R., Kucukoglu K., NADAROĞLU H., BOSTANCI H. E., ÖZKAY Y., KAPLANCIKLI Z. A.
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- XVII. **Design, synthesis, and molecular docking studies of benzimidazole-1,3,4-triazole hybrids as carbonic anhydrase I and II inhibitors**
ÇELİK İ., Cevik U. A., Kucukoglu K., NADAROĞLU H., BOSTANCI H. E., Isik A., ÖZKAY Y., KAPLANCIKLI Z. A.
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- XVIII. **Design, synthesis, evaluation of biological activities and molecular docking and dynamic studies of**

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- XIX. **Synthesis of Imidazole-Thiazole Derivatives as Acetylcholinesterase and Butyrylcholinesterase Inhibitory Activities**
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- XX. **Design, synthesis, biological activities, and evaluation of molecular docking-dynamics studies of new thiosemicarbazones that may be effective against Alzheimer's disease**
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- XXI. **Design, synthesis, molecular docking and molecular dynamic studies of novel benzimidazole-thiazole derivatives as potent and selective COX-2 inhibitors**
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- XXII. **Development of Some Antiplatelet Salts as Drug Active Ingredients and Investigation Biological Activities**
Uslu H., SATILMIŞ B., UYUMLU A. B., SAĞLIK ÖZKAN B. N., LEVENT S., ÖZKAY Y., GENÇ M. F., BATÇIOĞLU K., Kamisli S., Benkli K.
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- XXIII. **Design, synthesis, and biological activity studies of carbonic anhydrase inhibitors**
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- XXIV. **Synthesis and Biological Evaluation of Benzoxazolone-Thiosemicarbazide, 1,2,4-Triazole, 1,3,4-Thiadiazole Derivatives as Cholinesterase Inhibitors**
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- XXV. **Synthesis of Imidazole-2,3-dihydrothiazole Compounds as VEGFR-2 Inhibitors and Their Support with in Silico Studies**
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- XXVI. **Synthesis of novel thiazol-2(3H)-imine derivatives as ergosterol biosynthesis inhibitors, and elucidation of their structures using a 2D NMR technique**
OSMANİYE D., LEVENT S., SAĞLIK B. N., Gorgulu S., ÖZKAY Y., KAPLANCIKLI Z. A.
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- XXVII. **Synthesis and Anticancer Activities of Pyrazole-Thiadiazole-Based EGFR Inhibitors**
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- XXVIII. **Design, synthesis, and molecular docking studies of novel quinoxaline derivatives as anticancer agents**
Ali S. H., OSMANİYE D., SAĞLIK B. N., LEVENT S., ÖZKAY Y., KAPLANCIKLI Z. A.
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- XXIX. **Synthesis of new compounds bearing methyl sulfonyl pharmacophore as selective COX-2 inhibitor**
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- XXX. **Synthesis, Antifungal Activities, Molecular Docking and Molecular Dynamic Studies of Novel Quinoxaline-Triazole Compounds**
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- XXXI. **New benzimidazole-oxadiazole derivatives: Synthesis, alpha-glucosidase, alpha-amylase activity, and**

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ACAR ÇEVİK U., ÇELİK İ., PASHAYEVA L., FATULLAYEV H., BOSTANCI H. E., ÖZKAY Y., KAPLANCIKLI Z. A.
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- XXXII. **New imidazole derivatives as aromatase inhibitor: Design, synthesis, biological activity, molecular docking, and computational ADME-Tox studies**
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- XXXIII. **Design, Synthesis, and Biological Evaluation Studies of Novel Naphthalene-Chalcone Hybrids As Antimicrobial, Anticandidal, Anticancer, and VEGFR-2 Inhibitors**
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- XXXIV. **Synthesis of Benzimidazole-1,2,4-triazole Derivatives as Potential Antifungal Agents Targeting 14 alpha-Demethylase**
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- XXXV. **Novel thiadiazol derivatives; design, synthesis, biological activity, molecular docking and molecular dynamics**
OSMANIYE D., Evren A. E., Karaca Ş., ÖZKAY Y., KAPLANCIKLI Z. A.
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- XXXVI. **Design, synthesis and molecular docking and ADME studies of novel hydrazone derivatives for AChE inhibitory, BBB permeability and antioxidant effects**
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- XXXVII. **Synthesis and Molecular Docking of New N-Acyl Hydrazones-Benzimidazole as hCA I and II Inhibitors**
Kucukoglu K., ACAR ÇEVİK U., NADAROĞLU H., ÇELİK İ., Isik A., BOSTANCI H. E., ÖZKAY Y., KAPLANCIKLI Z. A.
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- XXXVIII. **Design, synthesis, molecular modeling, DFT, ADME and biological evaluation studies of some new 1,3,4-oxadiazole linked benzimidazoles as anticancer agents and aromatase inhibitors**
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- XXXIX. **Investigation of Novel Quinoline-Thiazole Derivatives as Antimicrobial Agents: In Vitro and In Silico Approaches**
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- XL. **Synthesis, biological evaluation and in silico studies of novel thiadiazole-hydrazone derivatives for carbonic anhydrase inhibitory and anticancer activities**
BOSTANCI H. E., ÇEVİK U., Kapavarapu R., Guldiken Y. C., Inan Z. D. S., Gueler O. O., UYSAL T. K., Uytun A., Cetin F. N., ÖZKAY Y., et al.
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- XLI. **Synthesis, and docking studies of novel tetrazole-S-alkyl derivatives as antimicrobial agents**
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- XLII. **Design, Synthesis, and In Vitro and In Silico Approaches of Novel Indanone Derivatives as Multifunctional Anti-Alzheimer Agents**
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- XLIII. **Synthesis, Molecular Docking, Dynamics, Quantum-Chemical Computation, and Antimicrobial Activity Studies of Some New Benzimidazole-Thiadiazole Hybrids**
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- XLIV. **Benzimidazole-hydrazone derivatives: Synthesis, in vitro anticancer, antimicrobial, antioxidant activities, in silico DFT and ADMET studies**
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- XLV. **Synthesis of novel thiosemicarbazone derivatives and investigation of their dual AChE and MAO-B inhibitor effects**
Uytun A. N., OSMANİYE D., SAĞLIK B. N., LEVENT S., ÖZKAY Y., KAPLANCIKLI Z. A.
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- XLVI. **Synthesis, characterization, molecular docking, dynamics simulations, and in silico absorption, distribution, metabolism, and excretion (ADME) studies of new thiazolyhydrazone derivatives as butyrylcholinesterase inhibitors**
Isik A., Cevik U., ÇELİK İ., Ercetin T., KOÇAK A., ÖZKAY Y., KAPLANCIKLI Z. A.
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- XLVII. **Synthesis of new derivatives containing pyridine, investigation of MAO inhibitory activities and molecular docking studies**
OSMANİYE D., SAĞLIK B. N., LEVENT S., ÖZKAY Y., KAPLANCIKLI Z. A., TURAN G.
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- XLVIII. **Design, synthesis and molecular docking studies of novel benzimidazole-1,3,4-oxadiazole hybrids for their carbonic anhydrase inhibitory and antioxidant effects**
Kucukoglu K., Cevik U., NADAROĞLU H., ÇELİK İ., Isik A., BOSTANCI H. E., ÖZKAY Y., KAPLANCIKLI Z. A.
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- XLIX. **Design, synthesis, biological activity evaluation and in silico studies of new nicotinothiazide derivatives as multi-targeted inhibitors for Alzheimer's disease**
TOK F., SAĞLIK B. N., ÖZKAY Y., KAPLANCIKLI Z. A., KAYMAKÇIOĞLU B.
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- L. **Synthesis of New Pyrimidine-Triazole Derivatives and Investigation of Their Anticancer Activities**
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- LI. **Design, synthesis, and biological activity of novel dithiocarbamate-methylsulfonyl hybrids as carbonic anhydrase inhibitors**
OSMANİYE D., TÜRKEŞ C., Demir Y., ÖZKAY Y., BEYDEMİR Ş., KAPLANCIKLI Z. A.
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- LII. **Synthesis of novel benzothiazole derivatives and investigation of their enzyme inhibitory effects against Alzheimer's disease**
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- LIV. **Synthesis of Some 2-Substituted-5-(Benzothiazol-2-yl)-1H-Benzimidazole Derivatives and Investigation of Their Antiproliferative Effects**
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