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Eğitim Bilgileri

Doktora, İnönü Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, Türkiye 1992 - 1999

Yüksek Lisans, İnönü Üniversitesi, Fen Bilimleri Enstitüsü, Kimya, Türkiye 1988 - 1992

Lisans, İnönü Üniversitesi, Fen-Edebiyat Fakültesi, Kimya, Türkiye 1984 - 1988

Yaptığı Tezler

Doktora, İşlevsel Tetraaminoalkenlerin Sentezi ve Özellikleri, İnönü Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 1990

Araştırma Alanları

Kimya, Organik Kimya, Organometalik Bileşikler, Temel Bilimler

Akademik Unvanlar / Görevler

Prof. Dr., İnönü Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2011 - Devam Ediyor

Doç. Dr., İnönü Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2006 - 2011

Verdiği Dersler

Organik Kimya I, Lisans, 2020-2021

Organik Kimya II, Lisans, 2020-2021

Yönetilen Tezler

Gök Y., 4-hidroksifenil grubu içeren karben komplekslerinin sentezi ve özellikleri, Yüksek Lisans, A.BEHÇET(Öğrenci), 2020

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SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Design, synthesis, spectroscopic characterizations, single crystal X-ray analysis, in vitro xanthine oxidase and acetylcholinesterase inhibitory evaluation as well as in silico evaluation of selenium-based N-heterocyclic carbene compounds.**
Kaya G., Noma S. A. A., Barut Celepci D., Bayıl İ., Taskin-Tok T., Gök Y., Ateş B., Aktaş A., Aygün M., Tezcan B.
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- IV. **Novel silver(I)N-heterocyclic carbene complexes bearing 2-(4-hydroxyphenyl)ethyl group: Synthesis, characterization, and enzyme inhibition properties**
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- V. **RHODIUM(I) N-HETEROCYCLIC CARBENE COMPLEXES AS CATALYSTS FOR THE ANTI-MARKOVNIKOV HYDROAMINATIONS OF STYRENE**
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- VII. **Synthesis, characterization and bioactivities of dative donor ligand N-heterocyclic carbene (NHC) precursors and their Ag(I)NHC coordination compounds**
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- VIII. **Synthesis, characterization, crystal structure and bioactivity properties of the benzimidazole-**

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- IX. **The (NHC)PdBr₂(2-aminopyridine) complexes: synthesis, characterization, molecular docking study, and inhibitor effects on the human serum carbonic anhydrase and serum bovine xanthine oxidase**
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- X. **New Pd-PEPPSI complexes bearing meta-cyanobenzyl-Substituted NHC: Synthesis, characterization, crystal structure and catalytic activity in direct C-H arylation of (Hetero)arenes with aryl bromides**
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- XI. **Synthesis, crystal structures, spectral investigations, conformational analysis and DFT studies of N-heterocyclic carbene precursors**
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- XII. **A Novel Ag-N-Heterocyclic Carbene Complex Bearing the Hydroxyethyl Ligand: Synthesis, Characterization, Crystal and Spectral Structures and Bioactivity Properties**
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- XIII. **4-Vinylbenzyl and 2-morpholinoethyl substituted ruthenium (II) complexes: Design, synthesis, and biological evaluation**
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- XIV. **New (NHC)Pd(II)(PPh₃) complexes: synthesis, characterization, crystal structure and its application on Sonogashira and Mizoroki-Heck cross-coupling reactions**
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- XV. **Chemistry, structure, and biological roles of Au-NHC complexes as TrxR inhibitors**
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- XVI. **Novel 2-methylimidazolium salts: Synthesis, characterization, molecular docking, and carbonic anhydrase and acetylcholinesterase inhibitory properties**
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- XVII. **New morpholine-liganded palladium(II) N-heterocyclic carbene complexes: Synthesis, characterization, crystal structure, and DNA-binding studies**
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- XVIII. **In vitro antimicrobial studies of naphthalen-1-ylmethyl substituted silver N-heterocyclic carbene complexes**
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- XIX. **Novel 2-aminopyridine liganded Pd(II) N-heterocyclic carbene complexes: Synthesis, characterization, crystal structure and bioactivity properties**
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- XX. **Synthesis, crystal structures, spectral FT-IR, NMR and UV-Vis investigations and Hirshfeld surface analysis of two new 2-hydroxyethyl-substituted N-heterocyclic carbene precursors**
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- XXI. **2-hydroxyethyl-substituted (NHC)PdI₂(pyridine) (Pd-PEPPSI) Complexes: Synthesis,**

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AKTAŞ A., Erdemir F., CELEPCİ D. B., GÖK Y., AYGÜN M.
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- XXIV. **PALLADIUM/BENZIMIDAZOLIUM SALT CATALYST SYSTEMS AND N-HETEROCYCLIC CARBENE-PALLADIUM(II)-PYRIDINE (PEPPSI) COMPLEXES FOR ANTI-MARKOVNIKOV HYDROAMINATIONS OF STYRENE IN IONIC LIQUID**
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- XXV. **Novel morpholine liganded Pd-based N-heterocyclic carbene complexes: Synthesis, characterization, crystal structure, antidiabetic and anticholinergic properties**
AKTAŞ A., CELEPCİ D. B., Kaya R., Taslimi P., GÖK Y., AYGÜN M., GÜLÇİN İ.
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- XXVI. **2-methyl-1,4-benzodioxan-substituted bis(NHC)PdX₂ complexes: Synthesis, characterization and the catalytic activity in the direct arylation reaction of some 2-alkyl-heterocyclic compounds**
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AKTAŞ A., CELEPCİ D. B., GÖK Y., AYGÜN M.
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- XXVIII. **Synthesis, characterization and crystal structure of 2-(4-hydroxyphenyl)ethyl and 2-(4-nitrophenyl)ethyl Substituted Benzimidazole Bromide Salts: Their inhibitory properties against carbonic anhydrase and acetylcholinesterase**
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- XXIX. **Anti-Markovnikov hydroaminations of styrene catalyzed by palladium(II) N-heterocyclic carbene complexes under conventional and microwave heating**
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- XXX. **2-Hydroxyethyl-Substituted Pd-PEPPSI Complexes: Synthesis, Characterization and the Catalytic Activity in the Suzuki-Miyaura Reaction for Aryl Chlorides in Aqueous Media**
AKTAŞ A., CELEPCİ D. B., GÖK Y., AYGÜN M.
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- XXXI. **Schiff bases and their amines: Synthesis and discovery of carbonic anhydrase and acetylcholinesterase enzymes inhibitors**
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- XXXII. **Four 2-Hydroxyethyl substituted NHC iodide complexes: structural characterization and theoretical comparisons**
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- XXXIII. **Novel Benzylic Substituted Imidazolinium, Tetrahydropyrimidinium and Tetrahydrodiazepinium Salts: Potent Carbonic Anhydrase and Acetylcholinesterase Inhibitors**

- YİĞİT B., YİĞİT M., CELEPCİ D. B., GÖK Y., AKTAŞ A., AYGÜN M., Taslimi P., GÜLÇİN İ.
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- XXXVI. **New 4-vinylbenzyl-substituted bis(NHC)-Pd(II) complexes: Synthesis, characterization and the catalytic activity in the direct arylation reaction**
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- XXXVII. **N-Propylphthalimide-substituted bis-(NHC)PdX₂ complexes: synthesis, characterization and catalytic activity in direct arylation reactions**
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- XXXVIII. **Novel N-propylphthalimide- and 4-vinylbenzyl-substituted benzimidazole salts: Synthesis, characterization, and determination of their metal chelating effects and inhibition profiles against acetylcholinesterase and carbonic anhydrase enzymes**
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- XL. **Synthesis, characterization, crystal structure, and antimicrobial studies of 2-morpholinoethyl-substituted benzimidazolium salts and their silver(I)-N-heterocyclic carbene complexes**
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- XLII. **New compounds based on a benzimidazole nucleus: synthesis, characterization and cytotoxic activity against breast and colon cancer cell lines**
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- XLIII. **Novel NHC Precursors: Synthesis, Characterization, and Carbonic Anhydrase and Acetylcholinesterase Inhibitory Properties**
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- XLIV. **Anticancer effect of some Silver(I)-N-Heterocyclic carbene complexes on different cancer cell lines**
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- XLV. **Carbon-carbon bond formation catalyzed by PEPSI Pd-NHC**
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- XLVI. **Synthesis of novel palladium(II) N-heterocyclic carbene complexes and their catalytic activities in the direct C5 arylation reactions**
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- XLVII. **INTERMOLECULAR HYDROAMINATION OF STYRENE CATALYZED BY PALLADIUM(II) N-HETEROCYCLIC CARBENE COMPLEXES IN IONIC LIQUID**
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- XLVIII. **In vitro cytotoxic activities of new silver and PEPPSI palladium N-heterocyclic carbene complexes derived from benzimidazolium salts**
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- XLIX. **N-Methylphthalimide-substituted benzimidazolium salts and PEPPSI Pd-NHC complexes: synthesis, characterization and catalytic activity in carbon-carbon bond-forming reactions**
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- LII. **EFFECT OF SALICYLIC ACID AND SELENIUM ON ANTIOXIDANT SYSTEM OF AVENA SATIVA L. UNDER FENOXAPROP-P-ETHYL STRESS**
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- LIII. **In vitro antimicrobial studies of new benzimidazolium salts and silver N-heterocyclic carbene complexes**
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- LIV. **Dichlorido(3-chloropyridine-N)[1,3-dialkylbenzimidazol-2-ylidene] palladium(II) complexes: Synthesis, characterization and catalytic activity in the arylation reaction**
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- LV. **Synthesis, antioxidant and anti-microbial properties of two organoselenium compounds**
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- LVI. **N-Propylphthalimide-Substituted Silver(I) N-Heterocyclic Carbene Complexes and Ruthenium(II) N-Heterocyclic Carbene Complexes: Synthesis and Transfer Hydrogenation of Ketones**
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- LVII. **Imidazole, pyrimidine and diazepine containing heteroaryl-substituted heterocyclic salts as efficient ligand precursors for Mizoroki-Heck coupling reaction: synthesis, structural characterization and catalytic activities**
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