

# Prof. YETKİN GÖK

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## Education Information

Doctorate, Inonu University, Fen-Edebiyat Fakültesi, Kimya Bölümü, Turkey 1992 - 1999

Postgraduate, Inonu University, Fen Bilimleri Enstitüsü, Kimya, Turkey 1988 - 1992

Undergraduate, Inonu University, Fen-Edebiyat Fakültesi, Kimya, Turkey 1984 - 1988

## Dissertations

Doctorate, İşlevsel Tetraaminoalkenlerin Sentezi ve Özellikleri, Inonu University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 1990

## Research Areas

Chemistry, Organic Chemistry, Organometallics, Natural Sciences

## Academic Titles / Tasks

Professor, Inonu University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2011 - Continues

Associate Professor, Inonu University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2006 - 2011

## Courses

Organik Kimya I, Undergraduate, 2020-2021

Organik Kimya II, Undergraduate, 2020-2021

## Advising Theses

Gök Y., 4-hidroksifenil grubu içeren karben komplekslerinin sentezi ve özellikleri, Postgraduate, A.BEHÇET(Student), 2020

Gök Y., 4-nitrofenil grubu içeren palladyum komplekslerinin sentezi ve özellikleri, Postgraduate, T.ÇAĞLILAR(Student), 2020

Gök Y., 3-siyanobenzil sübstitüentli nhc-pd-l (L: Morfolin, fosfin, 2-aminopiridin) komplekslerinin sentezi ve özellikleri, Postgraduate, F.TÜRKER(Student), 2020

Gök Y., Hidroksil ve nitril grubu içeren karben komplekslerinin sentezi ve özellikleri, Postgraduate, İ.BEREKET(Student), 2019

Gök Y., [1-(N-metilfitalimit)-3-alkilbenzimidazol-2-iliden] gümüş ve palladyum komplekslerinin sentezi ve özellikleri, Postgraduate, A.KAZANCI(Student), 2019

Gök Y., Diiyodo[1,3-dialkilbenzimidazol-2-iliden]piridinpalladyum(II) komplekslerinin sentezi ve özellikleri, Postgraduate, F.ERDEMİR(Student), 2018

Gök Y., Piridin-Pd-N-heterosiklik karben komplekslerinin sentezi ve özellikleri, Postgraduate, S.DAŞGIN(Student), 2018

Gök Y., In vitro cytotoxic activity studies of synthesized benzimidazolium salts, Doctorate, S.AKKOÇ(Student), 2018

GÖK Y., İşlevsel grup içeren n-heterosiklik karben komplekslerinin sentezi ve özellikleri, Postgraduate, H.ERDOĞAN(Student), 2017

GÖK Y., Pd-n-heterosiklik karben komplekslerinin sentezi, özellikleri, katalitik aktiviteleri ve antikanser uygulamaları, Doctorate, A.AKTAŞ(Student), 2017

GÖK Y., N-heterosiklik tuzların sentezi ve özellikleri, Postgraduate, S.AKKOÇ(Student), 2012

GÖK Y., (1,3-dialkilimidazol-2-iliden)-gümüş ve rutenyum komplekslerinin sentezi ve özellikleri, Postgraduate, A.AKTAŞ(Student), 2012

GÖK Y., (1,3-dialkilbenzimidazol-2-iliden)-gümüş ve palladyum komplekslerinin sentezi ve özellikleri, Postgraduate, Y.SARI(Student), 2012

GÖK Y., İyonik sıvıda amin ve ester oluşumu, Postgraduate, Ö.ÖZEROĞLU(Student), 2009

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

- 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.  
Journal of biomolecular structure & dynamics, vol.41, no.21, pp.11728-11747, 2023 (SCI-Expanded)
- II. **A study about excellent xanthine oxidase inhibitory effects of new pyridine salts**  
Yılmaz U., Noma S. A. A., Tok T. T., Sen B., GÖK Y., AKTAŞ A., ATEŞ B., AYGÜN M.  
MONATSHEFTE FÜR CHEMIE, vol.152, no.10, pp.1251-1260, 2021 (SCI-Expanded)
- III. **Synthesis, characterization, crystal structure, alpha-glycosidase, and acetylcholinesterase inhibitory properties of 1,3-disubstituted benzimidazolium salts**  
BAL S., Demirci O., ŞEN B., Taslimi P., AKTAŞ A., GÖK Y., AYGÜN M., GÜLÇİN İ.  
ARCHIV DER PHARMAZIE, vol.354, no.5, 2021 (SCI-Expanded)
- IV. **Novel silver(I)N-heterocyclic carbene complexes bearing 2-(4-hydroxyphenyl)ethyl group: Synthesis, characterization, and enzyme inhibition properties**  
Behcet A., AKTAŞ A., GÖK Y., Kaya R., Taslimi P., GÜLÇİN İ.  
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.58, no.2, pp.603-611, 2021 (SCI-Expanded)
- V. **RHODIUM(I) N-HETEROCYCLIC CARBENE COMPLEXES AS CATALYSTS FOR THE ANTI-MARKOVNIKOV HYDROAMINATIONS OF STYRENE**  
GÖK Y., YİĞİT B., Celikal O. O., YİĞİT M.  
HETEROCYCLES, vol.102, no.5, pp.941-953, 2021 (SCI-Expanded)
- VI. **RUTHENIUM(II) COMPLEXES WITH CHELATING N-HETEROCYCLIC CARBENES AND A RUTHENATE(II) COMPLEX AS CATALYSTS FOR THE ANTI-MARKOVNIKOV HYDROAMINATIONS OF STYRENE**  
YİĞİT M., GÖK Y., Celikal O. O., YİĞİT B.  
HETEROCYCLES, vol.102, no.11, pp.2127-2137, 2021 (SCI-Expanded)
- VII. **Synthesis, characterization and bioactivities of dative donor ligand N-heterocyclic carbene (NHC) precursors and their Ag(I)NHC coordination compounds**  
Kazancı A., GÖK Y., Kaya R., AKTAŞ A., Taslimi P., GÜLÇİN İ.  
Polyhedron, vol.193, 2021 (SCI-Expanded)
- VIII. **Synthesis, characterization, crystal structure and bioactivity properties of the benzimidazole-**

**functionalize d PEPPSI type of Pd(II)NHC complexes**

Daşgın S., Gök Y., Celepci D. B., Taslimi P., İzmirli M., Aktaş A., Gülçin İ.

JOURNAL OF MOLECULAR STRUCTURE, pp.1-9, 2020 (SCI-Expanded)

- IX. **The (NHC)PdBr<sub>2</sub>(2-aminopyridine) complexes: synthesis, characterization, molecular docking study, and inhibitor effects on the human serum carbonic anhydrase and serum bovine xanthine oxidase**  
Turker F., Noma S. A. A., AKTAŞ A., Al-Khafaji K., Tok T. T., ATEŞ B., GÖK Y.  
MONATSHFTE FÜR CHEMIE, vol.151, no.10, pp.1557-1567, 2020 (SCI-Expanded)
- 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**  
TÜRKER F., BEREKET I., Celepci D. B., AKTAŞ A., GÖK Y.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1205, 2020 (SCI-Expanded)
- XI. **Synthesis, crystal structures, spectral investigations, conformational analysis and DFT studies of N-heterocyclic carbene precursors**  
ERDEMİR F., Celepci D. B., AKTAŞ A., GÖK Y.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1204, 2020 (SCI-Expanded)
- XII. **A Novel Ag-N-Heterocyclic Carbene Complex Bearing the Hydroxyethyl Ligand: Synthesis, Characterization, Crystal and Spectral Structures and Bioactivity Properties**  
AKTAŞ A., Celepci D., GÖK Y., Taslimi P., Akincioglu H., GÜLÇİN İ.  
CRYSTALS, vol.10, no.3, 2020 (SCI-Expanded)
- XIII. **4-Vinylbenzyl and 2-morpholinoethyl substituted ruthenium (II) complexes: Design, synthesis, and biological evaluation**  
SARı Y., GÜRSES C., Celepci D. B., Kelestemur U., AKTAŞ A., YÜKSEL Ş., ATEŞ B., GÖK Y.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1202, 2020 (SCI-Expanded)
- XIV. **New (NHC)Pd(II)(PPh<sub>3</sub>) complexes: synthesis, characterization, crystal structure and its application on Sonogashira and Mizoroki-Heck cross-coupling reactions**  
Erdemir F., AKTAŞ A., CELEPCİ D. B., GÖK Y.  
CHEMICAL PAPERS, vol.74, no.1, pp.99-112, 2020 (SCI-Expanded)
- XV. **Chemistry, structure, and biological roles of Au-NHC complexes as TrxR inhibitors**  
KARAASLAN M. G., AKTAŞ A., GÜRSES C., GÖK Y., ATEŞ B.  
BIOORGANIC CHEMISTRY, vol.95, 2020 (SCI-Expanded)
- XVI. **Novel 2-methylimidazolium salts: Synthesis, characterization, molecular docking, and carbonic anhydrase and acetylcholinesterase inhibitory properties**  
Bal S., Kaya R., GÖK Y., Taslimi P., AKTAŞ A., Karaman M., GÜLÇİN İ.  
BIOORGANIC CHEMISTRY, vol.94, 2020 (SCI-Expanded)
- XVII. **New morpholine-liganded palladium(II) N-heterocyclic carbene complexes: Synthesis, characterization, crystal structure, and DNA-binding studies**  
TÜRKER F., GÜRSES C., Celepci D. B., AKTAŞ A., ATEŞ B., GÖK Y.  
ARCHIV DER PHARMAZIE, vol.352, no.12, 2019 (SCI-Expanded)
- XVIII. **In vitro antimicrobial studies of naphthalen-1-ylmethyl substituted silver N-heterocyclic carbene complexes**  
GÖK Y., Akkoc S., Celikal O. O., ÖZDEMİR İ., GÜNAL S.  
ARABIAN JOURNAL OF CHEMISTRY, vol.12, no.8, pp.2513-2518, 2019 (SCI-Expanded)
- XIX. **Novel 2-aminopyridine liganded Pd(II) N-heterocyclic carbene complexes: Synthesis, characterization, crystal structure and bioactivity properties**  
Erdemir P., Celepci D. B., AKTAŞ A., GÖK Y., Kaya R., Taslimi P., Demir Y., GÜLÇİN İ.  
BIOORGANIC CHEMISTRY, vol.91, 2019 (SCI-Expanded)
- 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**  
AKTAŞ A., CELEPCİ D. B., GÖK Y.  
JOURNAL OF THE CHINESE CHEMICAL SOCIETY, vol.66, no.10, pp.1389-1396, 2019 (SCI-Expanded)
- XXI. **2-hydroxyethyl-substituted (NHC)PdI<sub>2</sub>(pyridine) (Pd-PEPPSI) Complexes: Synthesis,**

**Characterization and the Catalytic Activity in the Sonogashira Cross-coupling Reaction**

Erdemir F., CELEPCİ D. B., AKTAŞ A., GÖK Y.

CHEMISTRYSELECT, vol.4, no.19, pp.5585-5590, 2019 (SCI-Expanded)

- XXII. **New 2-hydroxyethyl substituted N-Heterocyclic carbene precursors: Synthesis, characterization, crystal structure and inhibitory properties against carbonic anhydrase and xanthine oxidase**  
AKTAŞ A., Noma S. A. A., CELEPCİ D. B., Erdemir F., GÖK Y., ATEŞ B.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1184, pp.487-494, 2019 (SCI-Expanded)
- XXIII. **Mixed phosphine/N-heterocyclic carbene-palladium complexes: synthesis, characterization, crystal structure and application in the Sonogashira reaction in aqueous media**  
AKTAŞ A., Erdemir F., CELEPCİ D. B., GÖK Y., AYGÜN M.  
TRANSITION METAL CHEMISTRY, vol.44, no.3, pp.229-236, 2019 (SCI-Expanded)
- XXIV. **PALLADIUM/BENZIMIDAZOLIUM SALT CATALYST SYSTEMS AND N-HETEROCYCLIC CARBENE-PALLADIUM(II)-PYRIDINE (PEPPSI) COMPLEXES FOR ANTI-MARKOVNIKOV HYDROAMINATIONS OF STYRENE IN IONIC LIQUID**  
GÖK Y., YİĞİT B., Celikal O. O., YİĞİT M.  
HETEROCYCLES, vol.98, no.3, pp.403-415, 2019 (SCI-Expanded)
- 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.  
POLYHEDRON, vol.159, pp.345-354, 2019 (SCI-Expanded)
- XXVI. **2-methyl-1,4-benzodioxan-substituted bis(NHC)PdX<sub>2</sub> complexes: Synthesis, characterization and the catalytic activity in the direct arylation reaction of some 2-alkyl-heterocyclic compounds**  
GÖK Y., AKTAŞ A., Sari Y., Erdogan H.  
JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, vol.16, no.2, pp.423-433, 2019 (SCI-Expanded)
- XXVII. **2-Hydroxyethyl-Substituted (NHC)Pd(II)PPh<sub>3</sub> Complexes: Synthesis, Characterization, Crystal Structure and Its Application on Sonogashira Cross-Coupling Reactions in Aqueous Media**  
AKTAŞ A., CELEPCİ D. B., GÖK Y., AYGÜN M.  
CHEMISTRYSELECT, vol.3, no.39, pp.10932-10937, 2018 (SCI-Expanded)
- 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**  
Behcet A., Caglılar T., CELEPCİ D. B., AKTAŞ A., Taslimi P., GÖK Y., AYGÜN M., Kaya R., GÜLÇİN İ.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1170, pp.160-169, 2018 (SCI-Expanded)
- XXIX. **Anti-Markovnikov hydroaminations of styrene catalyzed by palladium(II) N-heterocyclic carbene complexes under conventional and microwave heating**  
GÖK Y., YİĞİT B., Celikal O. O., YİĞİT M.  
TRANSITION METAL CHEMISTRY, vol.43, no.7, pp.591-596, 2018 (SCI-Expanded)
- 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.  
CHEMISTRYSELECT, vol.3, no.35, pp.9974-9980, 2018 (SCI-Expanded)
- XXXI. **Schiff bases and their amines: Synthesis and discovery of carbonic anhydrase and acetylcholinesterase enzymes inhibitors**  
YİĞİT B., YİĞİT M., Taslimi P., GÖK Y., GÜLÇİN İ.  
ARCHIV DER PHARMAZIE, vol.351, no.9, 2018 (SCI-Expanded)
- XXXII. **Four 2-Hydroxyethyl substituted NHC iodide complexes: structural characterization and theoretical comparisons**  
Celepci D. B., AKTAŞ A., GÖK Y., Aygun M.  
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.74, 2018 (SCI-Expanded)
- 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.  
CHEMISTRYSELECT, vol.3, no.27, pp.7976-7982, 2018 (SCI-Expanded)
- XXXIV. **meta-Cyanobenzyl substituted benzimidazolium salts: Synthesis, characterization, crystal structure and carbonic anhydrase, -glycosidase, butyrylcholinesterase, and acetylcholinesterase inhibitory properties**  
TÜRKER F., Celepci D. B., AKTAŞ A., Taslimi P., GÖK Y., Aygun M., GÜLÇİN İ.  
ARCHIV DER PHARMAZIE, vol.351, no.7, 2018 (SCI-Expanded)
- XXXV. **2-Hydroxyethyl substituted NHC precursors: Synthesis, characterization, crystal structure and carbonic anhydrase, alpha-glycosidase, butyrylcholinesterase, and acetylcholinesterase inhibitory properties**  
Erdemir F., CELEPCİ D. B., AKTAŞ A., Taslimi P., GÖK Y., KARABIYIK H., GÜLÇİN İ.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1155, pp.797-806, 2018 (SCI-Expanded)
- XXXVI. **New 4-vinylbenzyl-substituted bis(NHC)-Pd(II) complexes: Synthesis, characterization and the catalytic activity in the direct arylation reaction**  
GÖK Y., AKTAŞ A., Erdogan H., Sari Y.  
INORGANICA CHIMICA ACTA, vol.471, pp.735-740, 2018 (SCI-Expanded)
- XXXVII. **N-Propylphthalimide-substituted bis-(NHC)PdX<sub>2</sub> complexes: synthesis, characterization and catalytic activity in direct arylation reactions**  
Erdogan H., AKTAŞ A., GÖK Y., Sari Y.  
TRANSITION METAL CHEMISTRY, vol.43, no.1, pp.31-37, 2018 (SCI-Expanded)
- 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**  
SARı Y., AKTAŞ A., Taslimi P., GÖK Y., GÜLÇİN İ.  
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, vol.32, no.1, 2018 (SCI-Expanded)
- XXXIX. **2-Morpholinoethyl-substituted N-heterocyclic carbene (NHC) precursors and their silver(I)NHC complexes: synthesis, crystal structure and in vitro anticancer properties**  
AKTAŞ A., KELEŞTEMUR U., GÖK Y., BALCIOGLU S., ATEŞ B., Aygun M.  
JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, vol.15, no.1, pp.131-139, 2018 (SCI-Expanded)
- XL. **Synthesis, characterization, crystal structure, and antimicrobial studies of 2-morpholinoethyl-substituted benzimidazolium salts and their silver(I)-N-heterocyclic carbene complexes**  
Yildirim I., Aktaş A., Celepci D. B., Kirbağ S., Kutlu T., Gök Y., Aygün M.  
RESEARCH ON CHEMICAL INTERMEDIATES, vol.43, no.11, pp.6379-6393, 2017 (SCI-Expanded)
- XLI. **Synthesis, Characterization and Crystal Structure of New 2-Morpholinoethyl-Substituted Bis-(NHC)Pd(II) Complexes and the Catalytic Activity in the Direct Arylation Reaction**  
Sari Y., AKTAŞ A., CELEPCİ D. B., GÖK Y., AYGÜN M.  
CATALYSIS LETTERS, vol.147, no.9, pp.2340-2351, 2017 (SCI-Expanded)
- XLII. **New compounds based on a benzimidazole nucleus: synthesis, characterization and cytotoxic activity against breast and colon cancer cell lines**  
Akkoc S., Kayser V., İLHAN İ. Ö., Hibbs D. E., GÖK Y., Williams P. A., Hawkins B., Lai F.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.839, pp.98-107, 2017 (SCI-Expanded)
- XLIII. **Novel NHC Precursors: Synthesis, Characterization, and Carbonic Anhydrase and Acetylcholinesterase Inhibitory Properties**  
AKTAŞ A., Taslimi P., GÜLÇİN İ., GÖK Y.  
ARCHIV DER PHARMAZIE, vol.350, no.6, 2017 (SCI-Expanded)
- XLIV. **Anticancer effect of some Silver(I)-N-Heterocyclic carbene complexes on different cancer cell lines**  
YILDIRIM I., AKTAŞ A., KUTLU T., GÖK Y.  
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.41, no.4, pp.148, 2017 (SCI-Expanded)
- XLV. **Carbon-carbon bond formation catalyzed by PEPSI Pd-NHC**  
Akkoc S., İLHAN İ. Ö., GÖK Y., Kayser V.  
INORGANICA CHIMICA ACTA, vol.461, pp.52-56, 2017 (SCI-Expanded)

- XLVI. **Synthesis of novel palladium(II) N-heterocyclic carbene complexes and their catalytic activities in the direct C5 arylation reactions**  
YİĞİT M., YİĞİT B., GÖK Y.  
INORGANICA CHIMICA ACTA, vol.453, pp.23-28, 2016 (SCI-Expanded)
- XLVII. **INTERMOLECULAR HYDROAMINATION OF STYRENE CATALYZED BY PALLADIUM(II) N-HETEROCYCLIC CARBENE COMPLEXES IN IONIC LIQUID**  
YİĞİT B., YİĞİT M., GÖK Y., Celikal O. O.  
HETEROCYCLES, vol.92, no.11, pp.1994-2003, 2016 (SCI-Expanded)
- XLVIII. **In vitro cytotoxic activities of new silver and PEPPSI palladium N-heterocyclic carbene complexes derived from benzimidazolium salts**  
Akkoc S., İLHAN İ. Ö., GÖK Y., Upadhyay P. J., Kayser V.  
INORGANICA CHIMICA ACTA, vol.449, pp.75-81, 2016 (SCI-Expanded)
- XLIX. **N-Methylphthalimide-substituted benzimidazolium salts and PEPPSI Pd-NHC complexes: synthesis, characterization and catalytic activity in carbon-carbon bond-forming reactions**  
Akkoc S., GÖK Y., İLHAN İ. Ö., Kayser V.  
BEILSTEIN JOURNAL OF ORGANIC CHEMISTRY, vol.12, pp.81-88, 2016 (SCI-Expanded)
- L. **Benzimidazolium-based novel silver N-heterocyclic carbene complexes: synthesis, characterisation and in vitro antimicrobial activity**  
SARI Y., Akkoc S., GÖK Y., Sifniotis V., ÖZDEMİR İ., GÜNAL S., Kayser V.  
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.31, no.6, pp.1527-1530, 2016 (SCI-Expanded)
- LI. **In situ Generation of Efficient Palladium N-heterocyclic Carbene Catalysts Using Benzimidazolium Salts for the Suzuki-Miyaura Cross-coupling Reaction**  
Akkoc S., GÖK Y., İLHAN İ. Ö., Kayser V.  
CURRENT ORGANIC SYNTHESIS, vol.13, no.5, pp.761-766, 2016 (SCI-Expanded)
- LII. **EFFECT OF SALICYLIC ACID AND SELENIUM ON ANTIOXIDANT SYSTEM OF AVENA SATIVA L. UNDER FENOXAPROP-P-ETHYL STRESS**  
YİĞİT E., AKBULUT G. B., BAYRAM D., Kaya A., GÖK Y.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.25, no.3, pp.874-884, 2016 (SCI-Expanded)
- LIII. **In vitro antimicrobial studies of new benzimidazolium salts and silver N-heterocyclic carbene complexes**  
GÖK Y., Akkoc S., Erdogan H., ALBAYRAK S.  
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.31, no.6, pp.1322-1327, 2016 (SCI-Expanded)
- LIV. **Dichlorido(3-chloropyridine-N)[1,3-dialkylbenzimidazol-2-ylidene] palladium(II) complexes: Synthesis, characterization and catalytic activity in the arylation reaction**  
Akkoc S., GÖK Y.  
INORGANICA CHIMICA ACTA, vol.429, pp.34-38, 2015 (SCI-Expanded)
- LV. **Synthesis, antioxidant and anti-microbial properties of two organoselenium compounds**  
TALAS Z. S., GÖK Y., ÖZDEMİR İ., ATEŞ B., GÜNAL S., YILMAZ İ.  
PAKISTAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.28, no.2, pp.611-616, 2015 (SCI-Expanded)
- LVI. **N-Propylphthalimide-Substituted Silver(I) N-Heterocyclic Carbene Complexes and Ruthenium(II) N-Heterocyclic Carbene Complexes: Synthesis and Transfer Hydrogenation of Ketones**  
AKTAŞ A., GÖK Y.  
CATALYSIS LETTERS, vol.145, no.2, pp.631-639, 2015 (SCI-Expanded)
- 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**  
Gok Y., Akkoc S., AKKURT M., Tahir M. N.  
JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, vol.11, no.6, pp.1767-1774, 2014 (SCI-Expanded)
- LVIII. **Catalytic activities in direct arylation of novel palladium N-heterocyclic carbene complexes**

- Akkoc S., GÖK Y.  
APPLIED ORGANOMETALLIC CHEMISTRY, vol.28, no.12, pp.854-860, 2014 (SCI-Expanded)
- LIX. **4-Vinylbenzyl-substituted silver(I) N-heterocyclic carbene complexes and ruthenium(II) N-heterocyclic carbene complexes: synthesis and transfer hydrogenation of ketones**  
AKTAŞ A., GÖK Y.  
TRANSITION METAL CHEMISTRY, vol.39, no.8, pp.925-931, 2014 (SCI-Expanded)
- LX. **N- Phenyl- substituted carbene precursors and their silver complexes: synthesis, characterization and antimicrobial activities**  
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- IX. **Synthesis, Crystal Structures, Spectral FT-IR, NMR and UV-Vis Investigations and Theoretical Studies of N-phenyl-2-imino-5-methylthiophene and N-(4-chlorophenyl)-2-imino-5-methylthiophene**

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- X. **Four 2-Hydroxyethyl substituted NHC iodide complexes: structural characterization and theoretical comparisons**

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- XI. **Synthesis, Characterization and Antimicrobial Studies of Naphthyl Substituted Imidazolidinium Salts and Their Silver(I)-N-Heterocyclic Carben Complexes**

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KELEŞTEMUR Ü., AKTAŞ A., ATEŞ B., GÖK Y.  
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AKKOÇ S., GÖK Y., AKTAŞ A.  
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