

# Prof. İSMAİL ÖZDEMİR

## Personal Information

**Office Phone:** [+90 422 377 3700](tel:+904223773700)

**Email:** [ismail.ozdemir@inonu.edu.tr](mailto:ismail.ozdemir@inonu.edu.tr)

**Web:** <https://avesis.inonu.edu.tr/ismail.ozdemir>

## International Researcher IDs

ScholarID: M94IZpkAAAAJ

ORCID: 0000-0001-6325-0216

Publons / Web Of Science ResearcherID: ABI-5192-2020

ScopusID: 7005334934

Yoksis Researcher ID: 106894

## Education Information

Doctorate, Inonu University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 1989 - 1995

Postgraduate, Inonu University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 1987 - 1989

Undergraduate, Inonu University, Fen-Edebiyat Fakültesi, Kimya Bölümü, Turkey 1983 - 1987

## Foreign Languages

English, B2 Upper Intermediate

## Research Areas

Chemistry, Inorganic Chemistry, Catalysis, Metal Carbene Complexes, Organometallic Chemistry, Natural Sciences

## Academic Titles / Tasks

Professor, Inonu University, Fen-Edebiyat Fakültesi, Kimya, 2007 - Continues

Associate Professor, Inonu University, Fen-Edebiyat Fakültesi, Kimya, 2002 - 2007

Assistant Professor, Inonu University, Fen-Edebiyat Fakültesi, Kimya, 1997 - 2002

Research Assistant, Inonu University, Fen-Edebiyat Fakültesi, Kimya, 1988 - 1997

## Academic and Administrative Experience

Inonu University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2009 - Continues

Vice Rector, Inonu University, Fen-Edebiyat Fakültesi, 2009 - 2016

Inonu University, Fen Bilimleri Enstitüsü, 2008 - 2009

Inonu University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2000 - 2006

Inonu University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 1999 - 2000

## Courses

BİTİRME ÇALIŞMASI, Undergraduate, 2013-2014  
METAL KARBON BAĞI İÇEREN BİLEŞİKLER VE ÖZELLİKLERİ, Undergraduate Minor, 2013-2014  
KARBEN KOMPLEKSLERİ VE ÖZELLİKLERİ, Undergraduate Minor, 2013-2014  
KOORDİNASYON KİMYASI, Undergraduate Double Major, 2013-2014  
ANIORGANİK KİMYA LAB, Undergraduate, 2013-2014  
ANORGANİK KİMYA III, Undergraduate, 2013-2014  
ORGANOMETALİK KİMYA, Undergraduate Double Major, 2013-2014  
ANORGANİK KİMYA II, Undergraduate, 2012-2013  
KOORDİNASYON KİMYASI, Undergraduate Double Major, 2012-2013  
ORGANOMETALİK KİMYA, Undergraduate Double Major, 2012-2013  
BİTİRME ÇALIŞMASI, Undergraduate, 2012-2013  
GENEL KİMYA LAB, Undergraduate, 2012-2013  
ANORGANİK KİMYA III, Undergraduate, 2012-2013  
METAL KARBON BAĞI İÇEREN BİLEŞİKLER VE ÖZELLİKLERİ, Undergraduate Minor, 2012-2013  
ANIORGANİK KİMYA LAB, Undergraduate, 2012-2013  
ANORGANİK KİMYA I, Undergraduate, 2012-2013  
KARBEN KOMPLEKSLERİ VE ÖZELLİKLERİ, Undergraduate Minor, 2012-2013  
KOORDİNASYON KİMYASI, Undergraduate Double Major, 2011-2012  
ANORGANİK KİMYA I, Undergraduate, 2011-2012  
ANORGANİK KİMYA II, Undergraduate, 2011-2012  
KARBEN KOMPLEKSLERİ VE ÖZELLİKLERİ, Undergraduate Minor, 2011-2012  
GENEL KİMYA LAB, Undergraduate, 2011-2012  
METAL KARBON BAĞI İÇEREN BİLEŞİKLER VE ÖZELLİKLERİ, Undergraduate Minor, 2011-2012  
4A GRUBU METALLERİ, Undergraduate Double Major, 2011-2012  
ORGANOMETALİK KİMYA, Undergraduate Double Major, 2011-2012  
ANORGANİK KİMYA III, Undergraduate, 2011-2012  
BİTİRME ÇALIŞMASI, Undergraduate, 2011-2012  
ANIORGANİK KİMYA LAB, Undergraduate, 2011-2012  
KARBEN KOMPLEKSLERİ VE ÖZELLİKLERİ, Undergraduate Minor, 2010-2011  
ANIORGANİK KİMYA LAB, Undergraduate, 2010-2011  
ANORGANİK KİMYA III, Undergraduate, 2010-2011  
METAL KARBON BAĞI İÇEREN BİLEŞİKLER VE ÖZELLİKLERİ, Undergraduate Minor, 2010-2011  
GENEL KİMYA LAB, Undergraduate, 2010-2011  
BİTİRME ÇALIŞMASI, Undergraduate, 2010-2011  
ORGANOMETALİK KİMYA, Undergraduate Double Major, 2010-2011  
ANORGANİK KİMYA II, Undergraduate, 2010-2011  
KOORDİNASYON KİMYASI, Undergraduate Double Major, 2010-2011  
ANORGANİK KİMYA I, Undergraduate, 2010-2011  
4A GRUBU METALLERİ, Undergraduate Double Major, 2010-2011  
ANORGANİK KİMYA II, Undergraduate, 2009-2010  
BİTİRME ÇALIŞMASI, Undergraduate, 2009-2010  
4A GRUBU METALLERİ, Undergraduate Double Major, 2009-2010  
ANORGANİK KİMYA III, Undergraduate, 2009-2010  
METAL KARBON BAĞI İÇEREN BİLEŞİKLER VE ÖZELLİKLERİ, Undergraduate Minor, 2009-2010  
ORGANOMETALİK KİMYA, Undergraduate Double Major, 2009-2010  
KARBEN KOMPLEKSLERİ VE ÖZELLİKLERİ, Undergraduate Minor, 2009-2010  
KOORDİNASYON KİMYASI, Undergraduate Double Major, 2009-2010  
ANIORGANİK KİMYA LAB, Undergraduate, 2009-2010  
ANORGANİK KİMYA I, Undergraduate, 2009-2010  
METAL KARBON BAĞI İÇEREN BİLEŞİKLER VE ÖZELLİKLERİ, Undergraduate Minor, 2008-2009  
4A GRUBU METALLERİ, Undergraduate Double Major, 2008-2009

ORGANOMETALİK KİMYA, Undergraduate Double Major, 2008-2009  
BİTİRME ÇALIŞMASI, Undergraduate, 2008-2009  
ANİORGANİK KİMYA LAB, Undergraduate, 2008-2009  
KOORDİNASYON KİMYASI, Undergraduate Double Major, 2008-2009  
ANORGANİK KİMYA III, Undergraduate, 2008-2009  
GENEL KİMYA LAB, Undergraduate, 2008-2009  
ANORGANİK KİMYA II, Undergraduate, 2008-2009  
ANORGANİK KİMYA I, Undergraduate, 2008-2009  
KARBEN KOMPLEKSLERİ VE ÖZELLİKLERİ, Undergraduate Minor, 2008-2009  
METAL KARBON BAĞI İÇEREN BİLEŞİKLER VE ÖZELLİKLERİ, Undergraduate Minor, 2007-2008  
ORGANOMETALİK KİMYA, Undergraduate Double Major, 2007-2008  
ANİORGANİK KİMYA LAB, Undergraduate, 2007-2008  
ANORGANİK KİMYA I, Undergraduate, 2007-2008  
ANORGANİK KİMYA II, Undergraduate, 2007-2008  
4A GRUBU METALLERİ, Undergraduate Double Major, 2007-2008  
KOORDİNASYON KİMYASI, Undergraduate Double Major, 2007-2008  
ANORGANİK KİMYA III, Undergraduate, 2007-2008  
KARBEN KOMPLEKSLERİ VE ÖZELLİKLERİ, Undergraduate Minor, 2007-2008  
KARBEN KOMPLEKSLERİ VE ÖZELLİKLERİ, Undergraduate Minor, 2006-2007  
ANORGANİK KİMYA II, Undergraduate, 2006-2007  
4A GRUBU METALLERİ, Undergraduate Double Major, 2006-2007  
ANORGANİK KİMYA III, Undergraduate, 2006-2007  
ORGANOMETALİK KİMYA, Undergraduate Double Major, 2006-2007  
METAL KARBON BAĞI İÇEREN BİLEŞİKLER VE ÖZELLİKLERİ, Undergraduate Minor, 2006-2007  
ANORGANİK KİMYA I, Undergraduate, 2006-2007  
ANİORGANİK KİMYA LAB, Undergraduate, 2006-2007  
KOORDİNASYON KİMYASI, Undergraduate Double Major, 2006-2007  
ORGANOMETALİK KİMYA, Undergraduate Double Major, 2005-2006  
ANORGANİK KİMYA III, Undergraduate, 2005-2006  
ANORGANİK KİMYA II, Undergraduate, 2005-2006  
ANORGANİK KİMYA I, Undergraduate, 2005-2006  
ANİORGANİK KİMYA LAB, Undergraduate, 2005-2006  
GENEL KİMYA LAB, Undergraduate, 2005-2006  
KOORDİNASYON KİMYASI, Undergraduate Double Major, 2005-2006  
KARBEN KOMPLEKSLERİ VE ÖZELLİKLERİ, Undergraduate Minor, 2005-2006  
METAL KARBON BAĞI İÇEREN BİLEŞİKLER VE ÖZELLİKLERİ, Undergraduate Minor, 2005-2006  
4A GRUBU METALLERİ, Undergraduate Double Major, 2005-2006  
KOORDİNASYON KİMYASI, Undergraduate Double Major, 2004-2005  
KARBEN KOMPLEKSLERİ VE ÖZELLİKLERİ, Undergraduate Minor, 2004-2005  
METAL KARBON BAĞI İÇEREN BİLEŞİKLER VE ÖZELLİKLERİ, Undergraduate Minor, 2004-2005  
GENEL KİMYA LAB, Undergraduate, 2004-2005  
ANORGANİK KİMYA III, Undergraduate, 2004-2005  
ANORGANİK KİMYA II, Undergraduate, 2004-2005  
ORGANOMETALİK KİMYA, Undergraduate Double Major, 2004-2005  
4A GRUBU METALLERİ, Undergraduate Double Major, 2004-2005  
ANİORGANİK KİMYA LAB, Undergraduate, 2004-2005  
ANORGANİK KİMYA I, Undergraduate, 2004-2005  
GENEL KİMYA LAB, Undergraduate, 2003-2004  
ANORGANİK KİMYA I, Undergraduate, 2003-2004  
ANORGANİK KİMYA III, Undergraduate, 2003-2004  
ANORGANİK KİMYA II, Undergraduate, 2003-2004

4A GRUBU METALLERİ, Undergraduate Double Major, 2003-2004  
METAL KARBON BAĞI İÇEREN BİLEŞİKLER VE ÖZELLİKLERİ, Undergraduate Minor, 2003-2004  
ANIORGANİK KİMYA LAB, Undergraduate, 2003-2004  
KOORDİNASYON KİMYASI, Undergraduate Double Major, 2003-2004  
ORGANOMETALİK KİMYA, Undergraduate Double Major, 2003-2004  
KARBEN KOMPLEKSLERİ VE ÖZELLİKLERİ, Undergraduate Minor, 2003-2004  
METAL KARBON BAĞI İÇEREN BİLEŞİKLER VE ÖZELLİKLERİ, Undergraduate Minor, 2002-2003  
KARBEN KOMPLEKSLERİ VE ÖZELLİKLERİ, Undergraduate Minor, 2002-2003  
ANORGANİK KİMYA III, Undergraduate, 2002-2003  
ANORGANİK KİMYA II, Undergraduate, 2002-2003  
ANIORGANİK KİMYA LAB, Undergraduate, 2002-2003  
ANORGANİK KİMYA I, Undergraduate, 2002-2003  
KOORDİNASYON KİMYASI, Undergraduate Double Major, 2002-2003  
4A GRUBU METALLERİ, Undergraduate Double Major, 2002-2003  
ORGANOMETALİK KİMYA, Undergraduate Double Major, 2002-2003  
ANIORGANİK KİMYA LAB, Undergraduate, 2001-2002  
KARBEN KOMPLEKSLERİ VE ÖZELLİKLERİ, Undergraduate Minor, 2001-2002  
ANORGANİK KİMYA III, Undergraduate, 2001-2002  
ANORGANİK KİMYA I, Undergraduate, 2001-2002  
GENEL KİMYA LAB, Undergraduate, 2001-2002  
4A GRUBU METALLERİ, Undergraduate Double Major, 2001-2002  
ANORGANİK KİMYA II, Undergraduate, 2001-2002  
METAL KARBON BAĞI İÇEREN BİLEŞİKLER VE ÖZELLİKLERİ, Undergraduate Minor, 2001-2002  
ORGANOMETALİK KİMYA, Undergraduate Double Major, 2001-2002  
KOORDİNASYON KİMYASI, Undergraduate Double Major, 2001-2002  
ANORGANİK KİMYA II, Undergraduate, 2000-2001  
ANORGANİK KİMYA I, Undergraduate, 2000-2001  
ANORGANİK KİMYA III, Undergraduate, 2000-2001  
METAL KARBON BAĞI İÇEREN BİLEŞİKLER VE ÖZELLİKLERİ, Undergraduate Minor, 2000-2001  
ORGANOMETALİK KİMYA, Undergraduate Double Major, 2000-2001  
GENEL KİMYA LAB, Undergraduate, 2000-2001  
4A GRUBU METALLERİ, Undergraduate Double Major, 2000-2001  
KOORDİNASYON KİMYASI, Undergraduate Double Major, 2000-2001  
KARBEN KOMPLEKSLERİ VE ÖZELLİKLERİ, Undergraduate Minor, 2000-2001  
ANIORGANİK KİMYA LAB, Undergraduate, 2000-2001

## Advising Theses

ÖZDEMİR İ., Fonksiyonel grup içeren metal-NHC kompleksleri ve özellikleri, Doctorate, M.KALOĞLU(Student), 2017  
ÖZDEMİR İ., İmidazol ve benzimidazol içeren n-heterosiklik karben öncüllerinin sentezi ve özellikleri, Doctorate, M.AKKOÇ(Student), 2015  
ÖZDEMİR İ., Benzimidazol çekirdeği içeren azol komplekslerinin sentezi ve katalitik özellikleri, Doctorate, K.BULDURUN(Student), 2015  
ÖZDEMİR İ., Sülfonat fonksiyonlu karben öncülleri ve özellikleri, Doctorate, N.KALOĞLU(Student), 2015  
ÖZDEMİR İ., Polidentat karben öncüllerinin sentezi ve özellikleri, Doctorate, Ö.DOĞAN(Student), 2014  
ÖZDEMİR İ., N-heterosiklik karben katalizli aminasyon, Postgraduate, M.KALOĞLU(Student), 2011  
ÖZDEMİR İ., Gümüş ve altın N-heterosiklik karben komplekslerinin sentezi ve özellikleri, Postgraduate, N.TEMELLİ(Student), 2010  
ÖZDEMİR İ., N-heterosiklik karben katalizörlüğünde eterifikasyon, Postgraduate, M.AKKOÇ(Student), 2009  
ÖZDEMİR İ., N-heterosiklik karben katalizli c-h aktivasyonu, Postgraduate, Ö.DOĞAN(Student), 2008

ÖZDEMİR İ., Kelat yapıları N-heterosiklik karben öncüllerinin sentezi ve katalitik özellikleri, Doctorate, S.DEMİR(Student), 2007

ÖZDEMİR İ., N-koordine metal komplekslerinin sentezi ve özellikleri, Postgraduate, N.ŞAHİN(Student), 2005

ÖZDEMİR İ., İşlevsel grup içeren diaminokarben kompleksleri ve özellikleri, Postgraduate, S.YAŞAR(Student), 2004

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

- I. **Benzimidazol-2-ylidene ruthenium complexes for C–N bond formation through alcohol dehydrogenation**  
Nawaz Z., Gürbüz N., Naveed M., Özdemir N., Cetinkaya B., Özdemir İ.  
Turkish Journal of Chemistry, vol.47, no.5, pp.1209-1223, 2023 (SCI-Expanded)
- II. **Novel benzimidazolium salts and their silver(I)-N-heterocyclic carbene complexes: synthesis, characterization and their biological properties**  
Belhi Z., Karci H., DüNDAR M., Gürbüz N., Özdemir İ., Koç A., Cherit A., Özdemir İ.  
JOURNAL OF COORDINATION CHEMISTRY, vol.76, no.1, pp.120-133, 2023 (SCI-Expanded)
- III. **Synthesis, characterization, in vitro antibacterial, and anticancer studies of Ag(I)-N-heterocyclic carbene (NHC) complexes**  
DOĞAN ULU Ö., Kurucay A., ATEŞ B., ÖZDEMİR İ.  
CHEMICAL PAPERS, vol.77, no.1, pp.423-435, 2023 (SCI-Expanded)
- IV. **A benzimidazolium salt as effective corrosion inhibitor against the corrosion of mild steel in acidic medium: experimental and theoretical studies**  
ŞAHİN N., KAYA S., Aydın O., Katin K. P., Chaouiki A., GÜRBÜZ N., ÖZDEMİR İ., FARSAK M.  
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.36, no.23-24, pp.2665-2687, 2022 (SCI-Expanded)
- V. **Phthalimide-tethered imidazolium salts: Synthesis, characterization, enzyme inhibitory properties, and in silico studies**  
YİĞİT M., Demir Y., BARUT CELEPCİ D., TAŞKIN TOK T., Arinc A., YİĞİT B., AYGÜN M., ÖZDEMİR İ., GÜLÇİN İ.  
ARCHIV DER PHARMAZIE, vol.355, no.12, 2022 (SCI-Expanded)
- VI. **Vinyl functionalized 5,6-dimethylbenzimidazolium salts: Synthesis and biological activities**  
Karaca E. Ö., Bingöl Z., Gürbüz N., Özdemir İ., Gülçin İ.  
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, no.-, pp.23255-23263, 2022 (SCI-Expanded)
- VII. **Applications of quinoxaline-bridged bis(benzimidazolium) salts as ligand sources for the palladium-catalyzed Suzuki and Heck cross-coupling reactions in an aqueous medium**  
DEMİR DÜŞÜNCELİ S., Sahan M. H., KALOĞLU M., ÜSTÜN E., ÖZDEMİR İ.  
JOURNAL OF THE CHINESE CHEMICAL SOCIETY, vol.69, no.11, pp.1937-1953, 2022 (SCI-Expanded)
- VIII. **Synthesis, crystal structures, DFT calculations, and catalytic application in hydrosilylation of acetophenone derivatives with triethylsilane of novel rhodium-N-heterocyclic carbene (NHCs) complex**  
Hassen S., Zouaghi M. O., Slimani I., Arfaoui Y., ÖZDEMİR N., ÖZDEMİR İ., GÜRBÜZ N., Mansour L., Gatri R., Hamdi N.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1265, 2022 (SCI-Expanded)
- IX. **Preparation of Mixed Bis-N-Heterocyclic Carbene Rhodium(I) Complexes**  
Azpiroz R., Olgun Karatas M. O., Passarelli V., ÖZDEMİR İ., Perez-Torrente J. J., Castarlenas R.  
MOLECULES, vol.27, no.20, 2022 (SCI-Expanded)
- X. **Pd-NHC complex catalyzed C-H bond activation reactions of caffeine and 2-isobutylthiazole**  
Bugday N., Khan S., YAŞAR S., BULUT F., Boulebd H., KARABIYIK H., KARABIYIK H., ÖZ E., Rehman A. U., ÖZDEMİR İ.  
MOLECULAR CATALYSIS, vol.530, 2022 (SCI-Expanded)
- XI. **Synthesis, spectroscopic characterization and antimicrobial properties of silyl-tethered benzimidazolium salts**  
YİĞİT M., ŞİRECİ N., Guenal S., Onderci M., ÖZDEMİR N., Arinc A., YİĞİT B., ÖZDEMİR İ.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1264, 2022 (SCI-Expanded)
- XII. **Molecular docking and in vitro anticancer studies of silver(I)-N-heterocyclic carbene complexes**

Akkoc M., Khan S., YÜCE H., BAŞAK TÜRKMEN N., YAŞAR Ş., YAŞAR S., ÖZDEMİR İ.  
HELIYON, vol.8, no.8, 2022 (SCI-Expanded)

- XIII. **Synthesis and investigation of antiproliferative activity of Ru-NHC complexes against C6 and HeLa cancer cells**  
Paşahan R., Yaşar Ş., Köprülü T. K., Tekin Ş., Yaşar S., Özdemir İ., Akkoç M.  
TURKISH JOURNAL OF CHEMISTRY, vol.46, pp.1097-1109, 2022 (SCI-Expanded)
- XIV. **Synthesis of Quinoxaline-Linked Bis(Benzimidazolium) Salts and Their Catalytic Application in Palladium-Catalyzed Direct Arylation of Heteroarenes**  
KALOĞLU M., Sahan M. H., Dusunceli S., ÖZDEMİR İ.  
CATALYSIS LETTERS, vol.152, no.7, pp.2012-2024, 2022 (SCI-Expanded)
- XV. **Crystal structure, optical properties, spectroscopic characterization and density functional theory studies of a new rhodium (i)-imidazolidin-2-ylidene complexes: Synthesis, characterization and cytotoxic properties**  
KARACA E. Ö., ÇİFTÇİ O., ÖZDEMİR İ., KARABIYIK H., KARABIYIK H., Guerbuez N., ÖZDEMİR İ., Mansour L., Youssef A., Hamdi N.  
INORGANICA CHIMICA ACTA, vol.537, 2022 (SCI-Expanded)
- XVI. **Cyanopropyl functionalized benzimidazolium salts and their silver N-heterocyclic carbene complexes: Synthesis, antimicrobial activity, and theoretical analysis**  
Turker D., ÜSTÜN E., GÜNAL S., Yildiz H., DEMİR DÜŞÜNCELİ S., ÖZDEMİR İ.  
ARCHIV DER PHARMAZIE, vol.355, no.6, 2022 (SCI-Expanded)
- XVII. **Highly Active Fe<sub>3</sub>O<sub>4</sub>@SBA-15@NHC-Pd Catalyst for Suzuki-Miyaura Cross-Coupling Reaction**  
Akkoc M., Bugday N., ALTIN S., ÖZDEMİR İ., YAŞAR S.  
CATALYSIS LETTERS, vol.152, no.6, pp.1621-1638, 2022 (SCI-Expanded)
- XVIII. **Benzimidazole-based N-heterocyclic carbene silver complexes as catalysts for the formation of carbonates from carbon dioxide and epoxides**  
Nawaz Z., Ullah H., Gurbuz N., Zafar M. N., Verpoort F., Tahir M. N., ÖZDEMİR İ., Trovitch R. J.  
MOLECULAR CATALYSIS, vol.526, 2022 (SCI-Expanded)
- XIX. **Ruthenium(II) complexes bearing benzimidazole-based N-heterocyclic carbene (NHC) ligands as potential antimicrobial, antioxidant, enzyme inhibition, and antiproliferative agents**  
Boubakri L., Chakchouk-Mtiba A., Naouali O., Mellouli L., Mansour L., ÖZDEMİR İ., Yaser S., Sauthier M., Hamdi N.  
JOURNAL OF COORDINATION CHEMISTRY, vol.75, no.5-6, pp.645-667, 2022 (SCI-Expanded)
- XX. **Synthesis, molecular docking, and biological evaluation of 5-alkyl(aryl)-2-isobutylthiazole derivatives: As alpha-amylase, alpha-glucosidase, and protein kinase inhibitors**  
Khan S., Bugday N., Rehman A. U., Ul Haq I., YAŞAR S., ÖZDEMİR İ.  
APPLIED ORGANOMETALLIC CHEMISTRY, vol.36, no.5, 2022 (SCI-Expanded)
- XXI. **Substituted N-heterocyclic carbene PEPSI-type palladium complexes with different N-coordinated ligands: Involvement in the direct C-H bond activation of heteroarenes derivatives with aryl bromide and their antimicrobial, anti-inflammatory and antioxidant activities**  
Slimani I., Boubakri L., Ozdemir N., Mansour L., Ozdemir İ., Gurbuz N., Yasar S., Sauthier M., Hamdi N.  
INORGANICA CHIMICA ACTA, vol.532, 2022 (SCI-Expanded)
- XXII. **SYNTHESIS AND ENZYME INHIBITORY PROPERTIES OF QUINOXALINE BRIDGED BIS(IMIDAZOLIUM) SALTS**  
YİĞİT M., Demir Y., Arinc A., YİĞİT B., KOCA M., ÖZDEMİR İ., GÜLÇİN İ.  
HETEROCYCLES, vol.104, no.7, pp.1268-1279, 2022 (SCI-Expanded)
- XXIII. **Selenourea and thiourea derivatives of chiral and achiral enetetramines: Synthesis, characterization and enzyme inhibitory properties**  
YİĞİT M., BARUT CELEPCİ D., Taslimi P., YİĞİT B., Cetinkaya E., ÖZDEMİR İ., AYGÜN M., GÜLÇİN İ.  
BIOORGANIC CHEMISTRY, vol.120, 2022 (SCI-Expanded)
- XXIV. **Synthesis, characterization, crystal structure, Hirshfeld surface analysis, and theoretical study on a N-heterocyclic carbene salt and two NHC-palladium complexes**  
ÖZDEMİR N., KALOĞLU M., Kaloglu N., GÜRBÜZ N., ÖZDEMİR İ.

INORGANIC AND NANO-METAL CHEMISTRY, vol.52, no.4, pp.493-504, 2022 (SCI-Expanded)

- XXV. **4,5-Dihydro-imidazol-2-ylidene-linked palladium complexes as catalysts for the direct C-H bond arylation of azoles**  
Kaloğlu M., Özdemir N., Özdemir İ.  
APPLIED ORGANOMETALLIC CHEMISTRY, 2022 (SCI-Expanded)
- XXVI. **New benzimidazolium N-heterocyclic carbene precursors and their related Pd-NHC complex PEPPSI-type: Synthesis, structures, DFT calculations, biological activity, docking study, and catalytic application in the direct arylation**  
Sandeli A. E., Boulebd H., Khiri-Meribout N., Benzerka S., Bensouici C., ÖZDEMİR N., GÜRBÜZ N., ÖZDEMİR İ.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1248, 2022 (SCI-Expanded)
- XXVII. **Highly Efficient Single A(3)-Coupling (Aldehyde-Amine-Alkyne) Reaction Catalyzed by Air Stable Silver-(N-Heterocyclic Carbene) Complexes: Synthesis and Characterization**  
Hamdi N., Mnasri A., S. Al Nasr I., S. Koko W., Khan T. A., ÖZDEMİR İ., GÜRBÜZ N.  
POLYCYCLIC AROMATIC COMPOUNDS, 2022 (SCI-Expanded)
- XXVIII. **Synthesis of N-heterocyclic carbene-based silver complexes and their antimicrobial properties against bacteria and fungi**  
KALOĞLU M., Kaloglu N., GÜNAL S., ÖZDEMİR İ.  
JOURNAL OF COORDINATION CHEMISTRY, vol.74, no.17-20, pp.3031-3047, 2022 (SCI-Expanded)
- XXIX. **Rhodium(I) complexes with N-heterocyclic carbene ligands: synthesis, biological properties and catalytic activity in the hydrosilylation of aromatic ketones**  
Hamdi N., Slimani I., Mansour L., Alresheedi F., ÖZDEMİR İ., GÜRBÜZ N.  
JOURNAL OF COORDINATION CHEMISTRY, vol.74, no.15, pp.2558-2579, 2021 (SCI-Expanded)
- XXX. **Antimicrobial activity, inhibition of biofilm formation, and molecular docking study of novel Ag-NHC complexes**  
ŞAHİN N., Ustun E., TUTAR U., ÇELİK C., GÜRBÜZ N., ÖZDEMİR İ.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.954, 2021 (SCI-Expanded)
- XXXI. **Molybdenum Carbonyl Complexes with Benzimidazole Derivatives Against SARS-CoV-2 by Molecular Docking and DFT/TDDFT Methods**  
ÜSTÜN E., DEMİR DÜŞÜNCELİ S., Coskun F., ÖZDEMİR İ.  
JOURNAL OF COMPUTATIONAL BIOPHYSICS AND CHEMISTRY, vol.20, no.08, pp.815-827, 2021 (SCI-Expanded)
- XXXII. **N-Heterocyclic carbene-palladium-PEPPSI complexes and their catalytic activity in the direct C-H bond activation of heteroarene derivatives with aryl bromides: synthesis, and antimicrobial and antioxidant activities**  
Hamdi N., Slimani I., Mansour L., Alresheedi F., Gurbuz N., Ozdemir İ.  
NEW JOURNAL OF CHEMISTRY, vol.45, no.45, pp.21248-21262, 2021 (SCI-Expanded)
- XXXIII. **Direct arylation (hetero-coupling) of heteroarenes via unsymmetrical palladium-PEPPSI-NHC type complexes**  
Nawaz Z., Gürbüz N., Zafar M. N., Tahir M. N., Ashfaq M., Karci H., Özdemir İ.  
POLYHEDRON, vol.208, 2021 (SCI-Expanded)
- XXXIV. **Synthesis of new Pd(NHC)-PEPPSI type complexes as catalysts toward C-C cross-coupling reactions**  
Nawaz Z., Gürbüz N., Zafar M. N., Özdemir N., Habib U., Jan K., Özdemir İ.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1243, 2021 (SCI-Expanded)
- XXXV. **Palladium-PEPPSI-NHC Complexes Bearing Imidazolidin-2-Ylidene Ligand: Efficient Precatalysts for the Direct C5-Arylation of N-Methylpyrrole-2-Carboxaldehyde**  
KALOĞLU M., Kaloglu N., ÖZDEMİR İ.  
CATALYSIS LETTERS, vol.151, no.11, pp.3197-3212, 2021 (SCI-Expanded)
- XXXVI. **Synthesis, characterization, antimicrobial and antibiofilm activity, and molecular docking analysis of NHC precursors and their Ag-NHC complexes**  
ÜSTÜN E., ŞAHİN N., ÇELİK C., TUTAR U., Ozdemir N., GÜRBÜZ N., ÖZDEMİR İ.  
DALTON TRANSACTIONS, vol.50, no.42, pp.15400-15412, 2021 (SCI-Expanded)
- XXXVII. **The direct C(sp<sup>2</sup>)-H functionalization and coupling of aromatic N-heterocycles with (hetero)aryl**

**bromides by [PdX<sub>2</sub>(imidazolidin-2-ylidene)(Py)] catalysts**

Kaloğlu M., Slimani I., Özdemir N., Gürbüz N., Hamdi N., Özdemir İ.

JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.951, 2021 (SCI-Expanded)

- XXXVIII. **Synthesis, structures, DFT calculations, and catalytic application in the direct arylation of five-membered heteroarenes with aryl bromides of novel palladium-N-heterocyclic carbene PEPPSI-type complexes**  
Sandeli A. E., Khiri-Meribout N., Benzerka S., Boulebd H., Gürbüz N., Özdemir N., Özdemir İ.  
NEW JOURNAL OF CHEMISTRY, vol.45, no.38, pp.17878-17892, 2021 (SCI-Expanded)
- XXXIX. **Water-soluble silver(I) complexes with N-donor benzimidazole ligands containing an imidazolium core: stability and preliminary biological studies**  
KARATAŞ M. O., ÖZDEMİR N., Sariman M., GÜNAL S., ULUKAYA E., ÖZDEMİR İ.  
DALTON TRANSACTIONS, vol.50, no.33, pp.11596-11603, 2021 (SCI-Expanded)
- XL. **Silver-N-heterocyclic carbene complexes-catalyzed multicomponent reactions: Synthesis, spectroscopic characterization, density functional theory calculations, and antibacterial study**  
Mnasri A., Mejri A., Al-Hazmy S. M., Arfaoui Y., Özdemir İ., Gürbüz N., Hamdi N.  
ARCHIV DER PHARMAZIE, vol.354, no.9, 2021 (SCI-Expanded)
- XLI. **Amine-functionalized benzimidazolium salts: Synthesis, structural characterization, hirshfeld surface analysis and theoretical studies**  
CELEPCI D. B., YİÇİT B., YİÇİT M., ÖZDEMİR İ., AYGÜN M.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1239, 2021 (SCI-Expanded)
- XLII. **Silver (I)-N-heterocyclic carbene complexes: Synthesis and characterization, biological evaluation of Anti-Cholinesterase, anti-alpha-amylase, anti-lipase, and antibacterial activities, and molecular docking study**  
Sandeli A. E., Khiri-Meribout N., Benzerka S., GÜRBÜZ N., DÜNDAR M., Karci H., Bensouici C., Mokrani E. H., ÖZDEMİR İ., KOÇ A., et al.  
INORGANICA CHIMICA ACTA, vol.525, 2021 (SCI-Expanded)
- XLIII. **Synthesis, crystal structures and catalytic activities of palladium complexes with coumarin-functionalised N-heterocyclic carbene ligands**  
Akpınar C., ÖZDEMİR N., KARATAŞ M. O., ALICI B., ÖZDEMİR İ.  
INORGANIC CHEMISTRY COMMUNICATIONS, vol.131, 2021 (SCI-Expanded)
- XLIV. **New silver N-heterocyclic carbenes complexes: Synthesis, molecular docking study and biological activities evaluation as cholinesterase inhibitors and antimicrobials**  
Lasmari S., Ikhlef S., Boulcina R., Mokrani E. H., Bensouici C., GÜRBÜZ N., Dunder M., Karci H., ÖZDEMİR İ., KOÇ A., et al.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1238, 2021 (SCI-Expanded)
- XLV. **Iridium(i) complexes bearing hemilabile coumarin-functionalised N-heterocyclic carbene ligands with application as alkyne hydrosilytation catalysts**  
Karata M. O., ALICI B., Passarelli V., ÖZDEMİR İ., Perez-Torrente J. J., Castarlenas R.  
DALTON TRANSACTIONS, vol.50, no.32, pp.11206-11215, 2021 (SCI-Expanded)
- XLVI. **PEPPSI type complexes: Synthesis, x-ray structures, spectral studies, molecular docking and theoretical investigations**  
SERDAROĞLU G., ŞAHİN N., Ustun E., Tahir M. N., Arici C., GÜRBÜZ N., ÖZDEMİR İ.  
POLYHEDRON, vol.204, 2021 (SCI-Expanded)
- XLVII. **The first use of [PdBr<sub>2</sub>(imidazolidin-2-ylidene)(pyridine)] catalysts in the direct C-H bond arylation of C2-substituted furan and thiophene**  
KALOĞLU M., Kaloglu N., ozdemir N., ÖZDEMİR İ.  
RESEARCH ON CHEMICAL INTERMEDIATES, vol.47, no.7, pp.2821-2843, 2021 (SCI-Expanded)
- XLVIII. **Half-sandwich Ru(II) arene complexes bearing benzimidazole ligands for the N-alkylation reaction of aniline with alcohols in a solvent-free medium**  
Cicek M., GÜRBÜZ N., ÖZDEMİR N., ÖZDEMİR İ., İSPİR E.  
NEW JOURNAL OF CHEMISTRY, vol.45, no.25, pp.11075-11085, 2021 (SCI-Expanded)



- XLIX. **N-heterocyclic carbene Pd(II) complex supported on Fe<sub>3</sub>O<sub>4</sub>@SiO<sub>2</sub>: Highly active, reusable and magnetically separable catalyst for Suzuki-Miyaura cross-coupling reactions in aqueous media**  
Akkoc M., Bugday N., ALTIN S., KIRAZ N., YAŞAR S., ÖZDEMİR İ.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.943, 2021 (SCI-Expanded)
- L. **Experimental and quantum mechanical investigation on two N-heterocyclic carbene palladium complexes**  
ÖZDEMİR N., Touj N., YAŞAR S., Hamdi N., ÖZDEMİR İ.  
MOLECULAR CRYSTALS AND LIQUID CRYSTALS, vol.714, no.1, pp.26-36, 2021 (SCI-Expanded)
- LI. **Ru(II)-NHC catalysed N-Alkylation of amines with alcohols under solvent-free conditions**  
KARACA E. Ö., Dehimat Z. I., YAŞAR S., GÜRBÜZ N., Tebbani D., Cetinkaya B., ÖZDEMİR İ.  
INORGANICA CHIMICA ACTA, vol.520, 2021 (SCI-Expanded)
- LII. **Synthesis of [PdBr<sub>2</sub>(benzimidazole-2-ylidene)(pyridine)] complexes and their catalytic activity in the direct C-H bond activation of 2-substituted heterocycles**  
Lasmari S., Gürbüz N., Boulcina R., Özdemir N., Özdemir İ.  
POLYHEDRON, vol.199, 2021 (SCI-Expanded)
- LIII. **Synthesis, in vitro anticancer activities, and quantum chemical investigations on 1,3-bis-(2-methyl-2-propenyl)benzimidazolium chloride and its Ag(I) complex**  
SERDAROĞLU G., ŞAHİN BÖLÜKBAŞI S., Barut-Celepçi D., SEVİNÇEK R., ŞAHİN N., GÜRBÜZ N., ÖZDEMİR İ.  
JOURNAL OF CHEMICAL RESEARCH, vol.45, pp.596-607, 2021 (SCI-Expanded)
- LIV. **C-H Bond activation of 2-isobutylthiazole at C5 position catalysed by Pd-N-heterocyclic carbene complexes**  
Bugday N., Khan S., YAŞAR S., ÖZDEMİR İ.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.937, 2021 (SCI-Expanded)
- LV. **Pd-N-heterocyclic carbene complex catalysed C-H bond activation of 2-isobutylthiazole at the C5 position with aryl bromides**  
Khan S., Bugday N., YAŞAR S., Ullah N., ÖZDEMİR İ.  
NEW JOURNAL OF CHEMISTRY, vol.45, no.14, pp.6281-6292, 2021 (SCI-Expanded)
- LVI. **Pd-PEPSI: X-ray Structure, Spectroscopic Analyses, and Quantum Mechanical Studies**  
Kilic-Cikla I., ŞAHİN N., ÖZDEMİR N., GÜRBÜZ N., ÖZDEMİR İ.  
RUSSIAN JOURNAL OF PHYSICAL CHEMISTRY A, vol.95, 2021 (SCI-Expanded)
- LVII. **Rhodium(i) N-heterocyclic carbene complexes: synthesis and cytotoxic properties**  
Slimani I., Şahin Bölükbaşı S., Ulu M., Evren E., Gürbüz N., Özdemir İ., Hamdi N., Özdemir İ.  
NEW JOURNAL OF CHEMISTRY, vol.45, no.11, pp.5176-5183, 2021 (SCI-Expanded)
- LVIII. **Synthesis, characterization and catalytic activity of PEPSI-type palladium-NHC complexes**  
Slimani I., Mansour L., ÖZDEMİR İ., GÜRBÜZ N., Hamdi N.  
INORGANICA CHIMICA ACTA, vol.515, 2021 (SCI-Expanded)
- LIX. **Direct arylation of heteroaromatic compounds by Pd(OAc)<sub>2</sub>/tetrakis(N-benzimidazoliummethyl)benzene salt system**  
DOĞAN ULU Ö., ÖZDEMİR İ.  
ARKIVOC, pp.286-295, 2021 (SCI-Expanded)
- LX. **Anticancer, antimicrobial and antiparasitical activities of copper(I) complexes based on N-heterocyclic carbene (NHC) ligands bearing aryl substituents**  
Touj N., Al Nasr I. S., Koko W. S., Khan T. A., ÖZDEMİR İ., YAŞAR S., Mansour L., Alresheedi F., Hamdi N.  
JOURNAL OF COORDINATION CHEMISTRY, vol.73, no.20-22, pp.2889-2905, 2020 (SCI-Expanded)
- LXI. **Novel N-Heterocyclic Carbene Silver(I) Complexes: Synthesis, Structural Characterization, Antimicrobial and Cytotoxicity Potential Studies**  
Slimani I., Chakchouk-Mtibaa A., Mellouli L., Mansour L., ÖZDEMİR İ., GÜRBÜZ N., Hamdi N.  
JOURNAL OF THE BRAZILIAN CHEMICAL SOCIETY, vol.31, no.10, pp.2058-2070, 2020 (SCI-Expanded)
- LXII. **Biological Activities of NHC-Pd(II) Complexes Based on Benzimidazolylidene N-heterocyclic Carbene (NHC) Ligands Bearing Aryl Substituents (dagger)**  
Al Nasr I., Touj N., Koko W., Khan T., ÖZDEMİR İ., YAŞAR S., Hamdi N.

CATALYSTS, vol.10, no.10, 2020 (SCI-Expanded)

- LXIII. **Reduction hydrogenation of imines by in situ generated rhodium NHC complexes**  
KARACA E. Ö., Dusunceli S., GÜRBÜZ N., ÖZDEMİR İ.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1216, 2020 (SCI-Expanded)
- LXIV. **Silver(I) N-heterocyclic carbene complexes: Synthesis, characterization and cytotoxic properties**  
GÜRBÜZ N., Kaloglu N., Kızrak Ü., ÖZDEMİR İ., Türkmen N. B., Çiftçi O., Özdemir İ., Mansour L., Naceur H.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.923, 2020 (SCI-Expanded)
- LXV. **Azo-azomethine based palladium(II) complexes as catalysts for the Suzuki-Miyaura cross-coupling reaction**  
Sunbul A. B., Inan A., Kose M., Evren E., GÜRBÜZ N., ÖZDEMİR İ., İkiz M., Dag A. K., Ispir E.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1216, 2020 (SCI-Expanded)
- LXVI. **First used of Alkylbenzimidazole-Cobalt(II) complexes as a catalyst for the N -Alkylation of amines with alcohols under solvent -free medium**  
ŞAHİN N., Yildirim I., ÖZDEMİR N., GÜRBÜZ N., ÖZDEMİR İ.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.918, 2020 (SCI-Expanded)
- LXVII. **Synthesis, antimicrobial properties, and theoretical analysis of benzimidazole-2-ylidene silver(I) complexes**  
DEMİR DÜŞÜNCELİ S., Ayaz D., ÜSTÜN E., GÜNAL S., ÖZDEMİR N., DİNÇER M., ÖZDEMİR İ.  
JOURNAL OF COORDINATION CHEMISTRY, vol.73, no.13, pp.1967-1986, 2020 (SCI-Expanded)
- LXVIII. **The first used butylene linked bis(N-heterocyclic carbene)-palladium-PEPSI complexes in the direct arylation of furan and pyrrole**  
KALOĞLU M., DEMİR DÜŞÜNCELİ S., ÖZDEMİR İ.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.915, 2020 (SCI-Expanded)
- LXIX. **Synthesis, characterization and antitumor properties of novel silver(I) and gold(I) N-heterocyclic carbene complexes**  
ÖZDEMİR İ., ÇİFTÇİ O., Evren E., GÜRBÜZ N., Kaloglu N., BAŞAK TÜRKMEN N., YAŞAR Ş., ÜSTÜN E., Hamdi N., Mansour L., et al.  
INORGANICA CHIMICA ACTA, vol.506, 2020 (SCI-Expanded)
- LXX. **Catechol-bearing imidazolium and benzimidazolium chlorides as promising antimicrobial agents**  
Karatas M. O., GÜNAL S., Mansur A., ALICI B., ÖZDEMİR İ.  
ARCHIV DER PHARMAZIE, vol.353, no.6, 2020 (SCI-Expanded)
- LXXI. **Novel amine-functionalized benzimidazolium salts: Synthesis, characterization, bioactivity, and molecular docking studies**  
YİĞİT M., YİĞİT B., Taslimi P., ÖZDEMİR İ., KARAMAN M., GÜLÇİN İ.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1207, 2020 (SCI-Expanded)
- LXXII. **The direct C4-arylation of 3,5-dimethylisoxazole with aryl bromides catalyzed by imidazolidin-2-ylidene based palladium-PEPSI complexes**  
KALOĞLU M., ÖZDEMİR İ.  
INORGANICA CHIMICA ACTA, vol.504, 2020 (SCI-Expanded)
- LXXIII. **Palladium-carbene catalyzed direct arylation of five-membered heteroaromatics**  
KALOĞLU M., Kaloglu N., Yildirim I., ÖZDEMİR N., ÖZDEMİR İ.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1206, 2020 (SCI-Expanded)
- LXXIV. **Synthesis, characterization, biological determination and catalytic evaluation of ruthenium(ii) complexes bearing benzimidazole-based NHC ligands in transfer hydrogenation catalysis**  
Slimani I., Chakchouk-Mtibaa A., Mansour L., Mellouli L., Ozdemir İ., Gurbuz N., Hamdi N.  
NEW JOURNAL OF CHEMISTRY, vol.44, no.14, pp.5309-5323, 2020 (SCI-Expanded)
- LXXV. **Synthesis, structural characterization of silver(I)-NHC complexes and their antimicrobial, antioxidant and antitumor activities**  
Slimani I., Mansour L., Abutaha N., Harrath A. H., Al-Tamimi J., Gürbüz N., Ozdemir İ., Hamdi N.  
Journal of King Saud University - Science, vol.32, no.2, pp.1544-1554, 2020 (SCI-Expanded)
- LXXVI. **Arylation of heterocyclic compounds by benzimidazole-based N-heterocyclic carbene-palladium(II)**

**complexes**

ŞAHİN N., GÜRBÜZ N., KARABIYIK H., KARABIYIK H., ÖZDEMİR İ.

JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.907, 2020 (SCI-Expanded)

- LXXVII. **Well-defined PEPPSI-themed palladium-NHC complexes: synthesis, and catalytic application in the direct arylation of heteroarenes**  
KALOĞLU M., GÜRBÜZ N., Yıldırım I., ÖZDEMİR N., ÖZDEMİR İ.  
APPLIED ORGANOMETALLIC CHEMISTRY, vol.34, no.2, 2020 (SCI-Expanded)
- LXXVIII. **Synthesis, structures and catalytic activity of Pd(II) saccharinate complexes with monophosphines in direct arylation of five-membered heteroarenes with aryl bromides**  
YILMAZ V. T., İÇSEL C., Turgut O. R., AYGÜN M., Evren E., ÖZDEMİR İ.  
INORGANICA CHIMICA ACTA, vol.500, 2020 (SCI-Expanded)
- LXXIX. **Therapeutic potential of coumarin bearing metal complexes: Where are we headed?**  
Balcioglu S., KARATAŞ M. O., ATEŞ B., ALICI B., ÖZDEMİR İ.  
BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, vol.30, no.2, 2020 (SCI-Expanded)
- LXXX. **N-heterocyclic carbene palladium complexes with different N-coordinated ligands: Comparison of their catalytic activities in Suzuki-Miyaura and Mizoroki-Heck reactions**  
KARATAŞ M. O., ÖZDEMİR N., ALICI B., ÖZDEMİR İ.  
POLYHEDRON, vol.176, 2020 (SCI-Expanded)
- LXXXI. **Active ruthenium(II)-NHC complexes for alkylation of amines with alcohols using solvent-free conditions**  
YİĞİT B., KARACA E. Ö., YİĞİT M., GÜRBÜZ N., ARSLAN H., ÖZDEMİR İ.  
POLYHEDRON, vol.175, 2020 (SCI-Expanded)
- LXXXII. **Metal-NHC heterocycle complexes in catalysis and biological applications: Systematic review**  
Jalal M., Hammouti B., Touzani R., Aouniti A., ÖZDEMİR İ.  
MATERIALS TODAY-PROCEEDINGS, vol.31, 2020 (SCI-Expanded)
- LXXXIII. **Ruthenium(II) complexes bearing N-heterocyclic carbene ligands with wingtip groups and their catalytic activity in the transfer hydrogenation of ketones**  
YİĞİT B., Isik Y., CELEPCİ D. B., Evren E., YİĞİT M., GÜRBÜZ N., ÖZDEMİR İ.  
INORGANICA CHIMICA ACTA, vol.499, 2020 (SCI-Expanded)
- LXXXIV. **The kinetics and mechanism of polymer-based NHC-Pd-pyridine catalyzed heterogeneous Suzuki reaction in aqueous media**  
BOZTEPE C., KÜNKÜL A., GÜRBÜZ N., ÖZDEMİR İ.  
INTERNATIONAL JOURNAL OF CHEMICAL KINETICS, vol.51, no.12, pp.931-942, 2019 (SCI-Expanded)
- LXXXV. **Direct arylation of heteroarenes by PEPPSI-type palladium-NHC complexes and representative quantum chemical calculations for the compound which the structure was determined by X-ray crystallography**  
ŞAHİN N., SERDAROĞLU G., DUSUNCELI S., Tahir M. N., ARICI C., ÖZDEMİR İ.  
JOURNAL OF COORDINATION CHEMISTRY, vol.72, no.19-21, pp.3258-3284, 2019 (SCI-Expanded)
- LXXXVI. **Ru(ii)-N-heterocyclic carbene complexes: synthesis, characterization, transfer hydrogenation reactions and biological determination**  
Boubakri L., Chakchouk-Mtibaa A., Al-Ayed A. S., Mansour L., Abutaha N., Harrath A. H., Mellouli L., ÖZDEMİR İ., YAŞAR S., Hamdi N.  
RSC ADVANCES, vol.9, no.59, pp.34406-34420, 2019 (SCI-Expanded)
- LXXXVII. **5-Nitrobenzimidazole containing Pd(II) catalyzed C-C cross-coupling reactions: The effect of the N-substituent of the benzimidazole structure on catalyst activity**  
BULDURUN K., ÖZDEMİR İ.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1192, pp.172-177, 2019 (SCI-Expanded)
- LXXXVIII. **Synthesis and investigation of catalytic activity of phenylene - And biphenylene bridged bimetallic Palladium-PEPPSI complexes**  
Imik F., YAŞAR S., ÖZDEMİR İ.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.896, pp.162-167, 2019 (SCI-Expanded)

- LXXXIX. **Molecular docking and electronic transition analysis of novel [Re(bbim)(bpy)(CO)(3)]OTf complex as a CO-releasing molecule**  
 ÜSTÜN E., SÖNMEZ ÇELEBİ M., ŞAHİN N., DEMİR DÜŞÜNCELİ S., ÖZDEMİR İ.  
 JOURNAL OF THE INDIAN CHEMICAL SOCIETY, vol.96, no.9, pp.1175-1179, 2019 (SCI-Expanded)
- XC. **Ruthenium(II)-NHC-catalyzed (NHC = perhydrobenzimidazol-2-ylidene) alkylation of amines using the hydrogen borrowing methodology under solvent-free conditions**  
 Yigit M., KARACA E. Ö., Yigit B., GÜRBÜZ N., ÖZDEMİR İ.  
 TRANSITION METAL CHEMISTRY, vol.44, no.6, pp.565-573, 2019 (SCI-Expanded)
- XCI. **Synthesis of bridged palladium-PEPSI complexes and catalytic studies in C-C cross-coupling reactions**  
 Imik F., YAŞAR S., ÖZDEMİR İ.  
 INORGANICA CHIMICA ACTA, vol.495, 2019 (SCI-Expanded)
- XCII. **Bioactive NHC-derived palladium complexes: synthesis, catalytic activity for the Suzuki-Miyaura coupling of aryl chlorides and bromides and their antibacterial activities**  
 Boubakri L., Al-Ayed A. S., Mansour L., Abutaha N., Harrath A. H., Ozdemir İ., Yasar S., Hamdi N.  
 JOURNAL OF COORDINATION CHEMISTRY, vol.72, no.16, pp.2688-2704, 2019 (SCI-Expanded)
- XCIII. **Investigation of hybrid-capacitor properties of ruthenium complexes**  
 ALTIN S., Oz E., Altundag S., BAYRİ A., Roisnel T., Dorcet V., Bruneau C., ÖZDEMİR İ., YAŞAR S.  
 INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.43, no.13, pp.6840-6851, 2019 (SCI-Expanded)
- XCIV. **Platinum (II) N-heterocyclic carbene complexes: Synthesis, characterization and cytotoxic properties**  
 KARACA E. Ö., Ciftci O., ÖZDEMİR İ., Yakali G., Aygun M., GÜRBÜZ N., ÖZDEMİR İ.  
 APPLIED ORGANOMETALLIC CHEMISTRY, vol.33, no.7, 2019 (SCI-Expanded)
- XCV. **Enhanced pi-back-donation resulting in the trans labilization of a pyridine ligand in an N-heterocyclic carbene (NHC) Pd-II precatalyst: a case study**  
 KARABIYIK H., YİĞİT B., YİĞİT M., ÖZDEMİR İ., KARABIYIK H.  
 ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, vol.75, pp.941-958, 2019 (SCI-Expanded)
- XCVI. **Ruthenium(II)-(Arene)-N-Heterocyclic Carbene Complexes: Efficient and Selective Catalysts for the N-Alkylation of Aromatic Amines with Alcohols**  
 Kaloglu N., Achard M., Bruneau C., ÖZDEMİR İ.  
 EUROPEAN JOURNAL OF INORGANIC CHEMISTRY, no.21, pp.2598-2606, 2019 (SCI-Expanded)
- XCVII. **Theoretical analysis of frontier orbitals, electronic transitions, and global reactivity descriptors of M(CO)(4)L-2 type metal carbonyl complexes: a DFT/TDDFT study**  
 ÜSTÜN E., DEMİR DÜŞÜNCELİ S., ÖZDEMİR İ.  
 STRUCTURAL CHEMISTRY, vol.30, no.3, pp.769-775, 2019 (SCI-Expanded)
- XCVIII. **Synthesis of novel Ag(I)-N-heterocyclic carbene complexes soluble in both water and dichloromethane and their antimicrobial studies**  
 Boubakri L., Dridi K., Al-Ayed A. S., Ozdemir İ., Yasar S., Hamdi N.  
 JOURNAL OF COORDINATION CHEMISTRY, vol.72, no.12, pp.2080-2090, 2019 (SCI-Expanded)
- XCIX. **In situ palladium/N-heterocyclic carbene complex catalyzed carbonylative cross-coupling reactions of arylboronic acids with 2-bromopyridine under CO pressure: efficient synthesis of unsymmetrical arylpyridine ketones and their antimicrobial activities**  
 Boubakri L., Al-Ayed A. S., Mansour L., Harrath A. A., Al-Tamimi J., Ozdemir İ., Yasar S., Hamdi N.  
 TRANSITION METAL CHEMISTRY, vol.44, no.4, pp.321-328, 2019 (SCI-Expanded)
- C. **PEPSI-Pd-NHC catalyzed Suzuki-Miyaura cross-coupling reactions in aqueous media**  
 Kaloglu N., ÖZDEMİR İ.  
 TETRAHEDRON, vol.75, no.15, pp.2306-2313, 2019 (SCI-Expanded)
- CI. **Synthesis, spectroscopic properties and biological activity of new Cu(I) N-Heterocyclic carbene complexes**  
 Touj N., Chakchouk-Mtibaa A., Mansour L., Harrath A. H., Al-Tamimi J., Mellouli L., Ozdemir İ., Yasar S., Hamdi N.  
 JOURNAL OF MOLECULAR STRUCTURE, vol.1181, pp.209-219, 2019 (SCI-Expanded)
- CII. **Imidazolium chloride salts bearing wingtip groups: Synthesis, molecular docking and metabolic**

## enzymes inhibition

YIĞIT B., Kaya R., Taslimi P., Isik Y., KARAMAN M., YIĞIT M., ÖZDEMİR İ., GÜLÇİN İ.

JOURNAL OF MOLECULAR STRUCTURE, vol.1179, pp.709-718, 2019 (SCI-Expanded)

- CIII. **Synthesis, characterization and anticancer activity of allyl substituted N-Heterocyclic carbene silver(I) complexes**  
ŞAHİN N., ŞAHİN BÖLÜKBAŞI S., Tahir M. N., Arici C., Cevik E., GÜRBÜZ N., ÖZDEMİR İ., Cummings B. S.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1179, pp.92-99, 2019 (SCI-Expanded)
- CIV. **Amine-functionalized silver and gold N-heterocyclic carbene complexes: Synthesis, characterization and antitumor properties**  
Kızrak U., ÇİFTÇİ O., ÖZDEMİR İ., GÜRBÜZ N., DEMİR DÜŞÜNCELİ S., KALOĞLU M., Mansour L., Zaghrouba F., Hamdi N., ÖZDEMİR İ.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.882, pp.26-32, 2019 (SCI-Expanded)
- CV. **Novel N-heterocyclic carbene silver(I) complexes: Synthesis, structural characterization, and anticancer activity**  
ŞAHİN BÖLÜKBAŞI S., ŞAHİN N., Tahir M. N. F., Arici C., Cevik E., GÜRBÜZ N., ÖZDEMİR İ., Cummings B. S.  
INORGANICA CHIMICA ACTA, vol.486, pp.711-718, 2019 (SCI-Expanded)
- CVI. **Preparation and characterization of PEPPSI-palladium N-heterocyclic carbene complexes using benzimidazolium salts catalyzed Suzuki-Miyaura cross coupling reaction and their antitumor and antimicrobial activities**  
Boubakri L., Dridi K., Al-Ayed A. S., ÖZDEMİR İ., YAŞAR S., Hamdi N.  
JOURNAL OF COORDINATION CHEMISTRY, vol.72, no.3, pp.516-527, 2019 (SCI-Expanded)
- CVII. **Novel N-Alkylbenzimidazole-Ruthenium (II) complexes: Synthesis and catalytic activity of N-alkylating reaction under solvent-free medium**  
ŞAHİN N., ÖZDEMİR N., GÜRBÜZ N., ÖZDEMİR İ.  
APPLIED ORGANOMETALLIC CHEMISTRY, vol.33, no.2, 2019 (SCI-Expanded)
- CVIII. **Preparation and spectroscopic studies of Fe(II), Ru(II), Pd(II) and Zn(II) complexes of Schiff base containing terephthalaldehyde and their transfer hydrogenation and Suzuki-Miyaura coupling reaction**  
TURAN N., BULDURUN K., ÇOLAK N., ÖZDEMİR İ.  
OPEN CHEMISTRY, vol.17, no.1, pp.571-580, 2019 (SCI-Expanded)
- CIX. **Laboratory Applications: Polymers in**  
DOĞAN ULU Ö., ÖZDEMİR İ.  
ENCYCLOPEDIA OF POLYMER APPLICATIONS, VOLS I-III, pp.1611-1628, 2019 (SCI-Expanded)
- CX. **Cationic versus anionic Pt complex: The performance analysis of a hybrid-capacitor, DFT calculation and electrochemical properties**  
AKKOÇ M., DEMİREL S., ÖZ E., ALTIN S., BAYRİ A., DORCET V., ROISNEL T., BRUNEAU C., ÖZDEMİR İ., YAŞAR S.  
POLYHEDRON, vol.157, pp.434-441, 2019 (SCI-Expanded)
- CXI. **Synthesis and catalytic activity of ionic palladium N-heterocyclic carbene complexes**  
YAŞAR S., Akkoc M., ÖZDEMİR N., ÖZDEMİR İ.  
TURKISH JOURNAL OF CHEMISTRY, vol.43, no.6, pp.1622-1641, 2019 (SCI-Expanded)
- CXII. **Direct CH Bond Activation of Benzoxazole and Benzothiazole with Aryl Bromides Catalyzed by Palladium(II)-N-heterocyclic Carbene Complexes**  
KALOĞLU M., KALOĞLU N., ÖZDEMİR İ.  
CHINESE JOURNAL OF CHEMISTRY, vol.36, no.9, pp.837-844, 2018 (SCI-Expanded)
- CXIII. **Synthesis of N-heterocyclic carbene-palladium-PEPPSI complexes and their catalytic activity in the direct C-H bond activation**  
KALOĞLU N., KALOĞLU M., TAHİR M. N., ARICI C., BRUNEAU C., DOUCET H., DIXNEUF P. H., Cetinkaya B., ÖZDEMİR İ.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.867, pp.404-412, 2018 (SCI-Expanded)
- CXIV. **Investigation of potential hybrid capacitor property of chelated N-Heterocyclic carbene Ruthenium(II) complex**  
AKKOÇ M., ÖZ E., DEMİREL S., DORCET V., ROISNEL T., BAYRİ A., BRUNEAU C., ALTIN S., YAŞAR S., ÖZDEMİR İ.

- JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.866, pp.214-222, 2018 (SCI-Expanded)
- CXV. **Palladium(II)-N-Heterocyclic Carbene Complexes: Efficient Catalysts for the Direct C-H Bond Arylation of Furans with Aryl Halides**  
KALOĞLU M., ÖZDEMİR İ.  
APPLIED ORGANOMETALLIC CHEMISTRY, vol.32, no.7, 2018 (SCI-Expanded)
- CXVI. **Palladium(II)-N-heterocyclic carbene-catalyzed direct C2-or C5-arylation of thiazoles with aryl bromides**  
KALOĞLU M., ÖZDEMİR İ.  
TETRAHEDRON, vol.74, no.23, pp.2837-2845, 2018 (SCI-Expanded)
- CXVII. **Palladium PEPPSI complexes: Synthesis and catalytic activity on the Suzuki-Miyaura coupling reactions for aryl bromides at room temperature in aqueous media**  
touj N., GÜRBÜZ N., Hamdi N., YAŞAR S., ÖZDEMİR İ.  
INORGANICA CHIMICA ACTA, vol.478, pp.187-194, 2018 (SCI-Expanded)
- CXVIII. **Direct C-H Bond Arylation of C2-Blocked Pyrrole with Aryl Halides Using Palladium(II)-N-Heterocyclic Carbene Catalysts**  
KALOĞLU M., KALOGLU N., ÖZDEMİR İ.  
CHEMISTRYSELECT, vol.3, no.20, pp.5600-5607, 2018 (SCI-Expanded)
- CXIX. **Sonogashira cross-coupling reaction catalysed by mixed NHC-Pd-PPh<sub>3</sub> complexes under copper free conditions**  
touj N., YAŞAR S., Ozdemir N., Hamdi N., ÖZDEMİR İ.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.860, pp.59-71, 2018 (SCI-Expanded)
- CXX. **Ruthenium(II)-(p-cymene)-N-Heterocyclic Carbene Complexes for the N-Alkylation of Amine Using the Green Hydrogen Borrowing Methodology**  
KALOĞLU M., GÜRBÜZ N., SEMERIL D., ÖZDEMİR İ.  
EUROPEAN JOURNAL OF INORGANIC CHEMISTRY, no.10, pp.1236-1243, 2018 (SCI-Expanded)
- CXXI. **Ruthenium(n6,n1-arene-CH<sub>2</sub>-NHC) Catalysts for Direct Arylation of 2-Phenylpyridine with (Hetero)Aryl Chlorides in Water**  
KALOGLU N., ÖZDEMİR İ., GÜRBÜZ N., Arslan H., DIXNEUF P. H.  
MOLECULES, vol.23, no.3, 2018 (SCI-Expanded)
- CXXII. **Alkylation of cyclic amines with alcohols catalyzed by Ru(II) complexes bearing N-Heterocyclic carbenes**  
DOĞAN ULU Ö., GÜRBÜZ N., ÖZDEMİR İ.  
TETRAHEDRON, vol.74, no.6, pp.645-651, 2018 (SCI-Expanded)
- CXXIII. **Pentacoordinated Rhodium(I) Complexes Supported by Coumarin-Functionalized N-Heterocyclic Carbene Ligands**  
Karatas M. O., DI GIUSEPPE A., PASSARELLI V., ALICI B., PEREZ-TORRENTE J. J., ORO L. A., ÖZDEMİR İ., CASTARLENAS R.  
ORGANOMETALLICS, vol.37, no.2, pp.191-202, 2018 (SCI-Expanded)
- CXXIV. **Efficient in situ N-heterocyclic carbene palladium(ii) generated from Pd(OAc)<sub>2</sub> catalysts for carbonylative Suzuki coupling reactions of arylboronic acids with 2-bromopyridine under inert conditions leading to unsymmetrical arylpyridine ketones: synthesis, characterization and cytotoxic activities**  
Touj N., Al-Ayed A. S., Sauthier M., Mansour L., Harrath A. H., Al-Tamimi J., ÖZDEMİR İ., YAŞAR S., Hamdi N.  
RSC ADVANCES, vol.8, no.70, pp.40000-40015, 2018 (SCI-Expanded)
- CXXV. **Pd-N-Heterocyclic carbene catalysed Suzuki-Miyaura coupling reactions in aqueous medium**  
KARACA E. Ö., Akkoc M., YAŞAR S., ÖZDEMİR İ.  
ARKIVOC, pp.230-239, 2018 (SCI-Expanded)
- CXXVI. **N-Heterocyclic carbene-Pd(II)-PPh<sub>3</sub> complexes as a new highly efficient catalyst system for the Sonogashira cross-coupling reaction: Synthesis, characterization and biological activities**  
BOUBAKRI L., MANSOUR L., HARRATH A. H., ÖZDEMİR İ., YAŞAR S., HAMDI N.  
JOURNAL OF COORDINATION CHEMISTRY, vol.71, no.2, pp.183-199, 2018 (SCI-Expanded)

- CXXVII. **Synthesis, spectral, X-ray diffraction and DFT studies on 1-(2-methyl-2-propenyl)-3-(2,3,4,5,6-pentamethylbenzyl)benzimidazolium chloride hydrate**  
ŞAHİN N., Kilic-Cikla I., Ozdemir N., GÜRBÜZ N., ÖZDEMİR İ.  
MOLECULAR CRYSTALS AND LIQUID CRYSTALS, vol.664, no.1, pp.109-123, 2018 (SCI-Expanded)
- CXXVIII. **Sonogashira cross-coupling reaction catalyzed by N-heterocyclic carbene-Pd(II)-PPh<sub>3</sub> complexes under copper free and aerobic conditions**  
Dehimat Z. I., YAŞAR S., Tebbani D., ÖZDEMİR İ.  
INORGANICA CHIMICA ACTA, vol.469, pp.325-334, 2018 (SCI-Expanded)
- CXXIX. **Copper-catalyzed azide-alkyne cycloaddition (CuAAC) under mild condition in water: Synthesis, catalytic application and biological activities**  
Touj N., CHAKCHOUK-MTIBAA A., MANSOUR L., HARRATH A. H., AL-TAMIMI J. H., ÖZDEMİR İ., MELLOULI L., YAŞAR S., HAMDI N.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.853, pp.49-63, 2017 (SCI-Expanded)
- CXXX. **Synthesis and antimicrobial activity of bulky 3,5-di-tert-butyl substituent-containing silver-N-heterocyclic carbene complexes**  
KALOGLU N., ÖZDEMİR İ., GÜNAL S., ÖZDEMİR İ.  
APPLIED ORGANOMETALLIC CHEMISTRY, vol.31, no.11, 2017 (SCI-Expanded)
- CXXXI. **Synthesis of sterically hindered N-benzyladamantyl substituted benzimidazol-2-ylidene palladium complexes and investigation of their catalytic activity in aqueous medium**  
Dehimat Z. I., PAŞAHAN A., Tebbani D., YAŞAR S., ÖZDEMİR İ.  
TETRAHEDRON, vol.73, no.40, pp.5940-5945, 2017 (SCI-Expanded)
- CXXXII. **Rhodium(I) N-heterocyclic carbene complexes as catalysts for the hydrosilylation of aromatic ketones with triethylsilane**  
Yigit B., Yigit M., ÖZDEMİR İ.  
INORGANICA CHIMICA ACTA, vol.467, pp.75-79, 2017 (SCI-Expanded)
- CXXXIII. **An efficient (NHC) Copper (I)-catalyst for azide-alkyne cycloaddition reactions for the synthesis of 1,2,3-trisubstituted triazoles: Click chemistry**  
Touj N., ÖZDEMİR İ., YAŞAR S., Hamdi N.  
INORGANICA CHIMICA ACTA, vol.467, pp.21-32, 2017 (SCI-Expanded)
- CXXXIV. **A novel ditopic ring-expanded N-heterocyclic carbene ligand-assisted Suzuki-Miyaura coupling reaction in aqueous media**  
KARACA E. Ö., AKKOÇ M., TAHIR M. N., ARICI C., IMIK F., GÜRBÜZ N., YAŞAR S., ÖZDEMİR İ.  
TETRAHEDRON LETTERS, vol.58, no.36, pp.3529-3532, 2017 (SCI-Expanded)
- CXXXV. **Palladium(II) N-heterocyclic carbene complexes as catalysts for the direct arylation of pyrrole derivatives with aryl chlorides**  
Yigit B., GÜRBÜZ N., Yigit M., Dagdeviren Z., ÖZDEMİR İ.  
INORGANICA CHIMICA ACTA, vol.465, pp.44-49, 2017 (SCI-Expanded)
- CXXXVI. **ARYLATION OF ANILINE AND AMINES BY Pd-(N-HETEROCYCLIC CARBENE) COMPLEXES**  
ŞAHİN N., DUSUNCELI S. D., ÖZDEMİR İ.  
HETEROCYCLES, vol.94, no.8, pp.1506-1517, 2017 (SCI-Expanded)
- CXXXVII. **An Efficient Protocol for Palladium N-Heterocyclic Carbene-Catalysed Suzuki-Miyaura Reaction at room temperature**  
AKKOÇ M., IMIK F., YAŞAR S., DORCET V., roisnel T., BRUNEAU C., ÖZDEMİR İ.  
CHEMISTRYSELECT, vol.2, no.20, pp.5729-5734, 2017 (SCI-Expanded)
- CXXXVIII. **Synthesis and catalytic applications of palladium N-heterocyclic carbene complexes as efficient pre-catalysts for Suzuki-Miyaura and Sonogashira coupling reactions**  
BOUBAKRI L., YAŞAR S., DORCET V., ROISNEL T., BRUNEAU C., HAMDI N., ÖZDEMİR İ.  
NEW JOURNAL OF CHEMISTRY, vol.41, no.12, pp.5105-5113, 2017 (SCI-Expanded)
- CXXXIX. **Anticancer activities of manganese-based photoactivatable CO-releasing complexes (PhotoCORMs) with benzimidazole derivative ligands**  
Ustun E., Ozgur A., Coskun K. A., DUSUNCELI S. D., Ozdemir I., Tutar Y.

- TRANSITION METAL CHEMISTRY, vol.42, no.4, pp.331-337, 2017 (SCI-Expanded)
- CXL. **Silver-N-Heterocyclic Carbene Complexes: Synthesis, Characterization, and Antimicrobial Properties**  
KALOĞLU N., KALOĞLU M., ÖZDEMİR İ., GÜNAL S., ÖZDEMİR İ.  
JOURNAL OF THE CHINESE CHEMICAL SOCIETY, vol.64, no.4, pp.420-426, 2017 (SCI-Expanded)
- CXLI. **PEPSSI-Type Palladium-NHC Complexes: Synthesis, Characterization, and Catalytic Activity in the Direct C5-Arylation of 2-Substituted Thiophene Derivatives with Aryl Halides**  
KALOĞLU M., ÖZDEMİR İ., DORCET V., BRUNEAU C., DOUCET H.  
EUROPEAN JOURNAL OF INORGANIC CHEMISTRY, no.10, pp.1382-1391, 2017 (SCI-Expanded)
- CXLII. **A Palladium Catalyst System for the Efficient Cross-Coupling Reaction of Aryl Bromides and Chlorides with Phenylboronic Acid: Synthesis and Biological Activity Evaluation**  
Lamia B., Chakchouk-Mtibaa A., Hallouma B., Mansour L., Mellouli L., ÖZDEMİR İ., YAŞAR S., hamdi N.  
MOLECULES, vol.22, no.3, 2017 (SCI-Expanded)
- CXLIII. **[Mn(CO)(3)(bpy)(N-2-chlorobenzylbenzimidazole)] OTf complex as a new photoactivatable CO-releasing molecule**  
Ustun E., DUSUNCELI S. D., ÖZDEMİR İ.  
BULGARIAN CHEMICAL COMMUNICATIONS, vol.49, pp.50-56, 2017 (SCI-Expanded)
- CXLIV. **Ring-expanded iridium and rhodium N-heterocyclic carbene complexes: a comparative DFT study of heterocycle ring size and metal center diversity**  
KARACA E. Ö., Akkoc M., Oz E., Altin S., Dorcet V., Roisnel T., Gurbuz N., Celik O., Bayri A., Bruneau C., et al.  
JOURNAL OF COORDINATION CHEMISTRY, vol.70, no.7, pp.1270-1284, 2017 (SCI-Expanded)
- CXLV. **Synthesis of palladium complexes derived from imidazolidin-2-ylidene ligands and used for catalytic amination reactions**  
KARACA E. Ö., GÜRBÜZ N., ŞAHİN O., BÜYÜKGÜNGÖR O., ÖZDEMİR İ.  
APPLIED ORGANOMETALLIC CHEMISTRY, vol.30, no.12, pp.1050-1055, 2016 (SCI-Expanded)
- CXLVI. **A theoretical insight for solvent effect on myoglobin assay of W(CO)(4)L-2 type novel complexes with DFT/TDDFT**  
ÜSTÜN E., Demir S., Coskun F., KALOĞLU M., ŞAHİN O., BÜYÜKGÜNGÖR O., ÖZDEMİR İ.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1123, pp.433-440, 2016 (SCI-Expanded)
- CXLVII. **Synthesis of silver(I) and palladium(II) N-heterocyclic carbene complexes and their use as catalysts for the direct C5 arylation of heteroaromatic compounds**  
Yigit B., Yigit M., Dagdeviren Z., ÖZDEMİR İ.  
TRANSITION METAL CHEMISTRY, vol.41, no.7, pp.751-757, 2016 (SCI-Expanded)
- CXLVIII. **Novel benzimidazol-2-ylidene carbene precursors and their silver(I) complexes: Potential antimicrobial agents**  
KALOĞLU M., KALOĞLU N., ÖZDEMİR İ., GÜNAL S., ÖZDEMİR İ.  
BIOORGANIC & MEDICINAL CHEMISTRY, vol.24, no.16, pp.3649-3656, 2016 (SCI-Expanded)
- CXLIX. **Carbon monoxide-releasing properties and DFT/TDDFT analysis of [Mn(CO)(3)(bpy)L]PF6 type novel manganese complexes**  
Ustun E., Koc S., DEMİR S., ÖZDEMİR İ.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, pp.16-22, 2016 (SCI-Expanded)
- CL. **Structure, CO-releasing property, electrochemistry, DFT calculation, and antioxidant activity of benzimidazole derivative substituted [Mn(CO)(3)(bpy)L]PF6 type novel manganese complexes**  
Ustun E., Ayvaz M. C., Celebi M. S., Asci G., DEMİR S., ÖZDEMİR İ.  
INORGANICA CHIMICA ACTA, vol.450, pp.182-189, 2016 (SCI-Expanded)
- CLI. **The Influence of Imidazolylidene Ligands with Bulky Resorcinarenyl Substituents on Catalysts for Suzuki-Miyaura Coupling**  
Kaloglu M., SEMERIL D., BRENNER E., MATT D., ÖZDEMİR İ., TOUPET L.  
EUROPEAN JOURNAL OF INORGANIC CHEMISTRY, no.7, pp.1115-1120, 2016 (SCI-Expanded)
- CLII. **Benzimidazolium sulfonate ligand precursors and application in ruthenium-catalyzed aromatic amine alkylation with alcohols**  
KALOĞLU N., ÖZDEMİR İ., GÜRBÜZ N., ACHARD M., BRUNEAU C.



CATALYSIS COMMUNICATIONS, vol.74, pp.33-38, 2016 (SCI-Expanded)

- CLIII. **CO-releasing properties and anticancer activities of manganese complexes with imidazole/benzimidazole ligands**  
Ustun E., Ozturk A., Coskun K. A., DEMİR S., ÖZDEMİR İ., Tutar Y.  
JOURNAL OF COORDINATION CHEMISTRY, vol.69, no.22, pp.3384-3394, 2016 (SCI-Expanded)
- CLIV. **Synthesis of ruthenium N-heterocyclic carbene complexes and their catalytic activity for beta-alkylation of tertiary cyclic amines**  
ÖZDEMİR İ., Dusunceli S. D., KALOĞLU N., ACHARD M., BRUNEAU C.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, pp.311-315, 2015 (SCI-Expanded)
- CLV. **Copper-Catalysed Allylic Substitution Using 2,8,14,20-Tetrapentylresorcinarenyl-Substituted Imidazolium Salts**  
Kaloglu M., SAHİN N., SEMERİL D., BRENNER E., MATT D., ÖZDEMİR İ., KAYA C., TOUPET L.  
EUROPEAN JOURNAL OF ORGANIC CHEMISTRY, vol.2015, no.33, pp.7310-7316, 2015 (SCI-Expanded)
- CLVI. **Novel ruthenium(II)-N-heterocyclic carbene complexes; synthesis, characterization and catalytic application**  
YAŞAR S., KARACA E. Ö., Sahin C., ÖZDEMİR İ., Sahin O., Buyukgungor O.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, pp.1-7, 2015 (SCI-Expanded)
- CLVII. **Catalytic activity of Ru/tetrahydropyrimidinium salts system for transfer hydrogenation reactions**  
KARACA E. Ö., GÜRBÜZ N., Arslan H., VanDerveer D., ÖZDEMİR İ.  
APPLIED ORGANOMETALLIC CHEMISTRY, vol.29, no.7, pp.475-480, 2015 (SCI-Expanded)
- CLVIII. **N-Alkylation and N,C-Dialkylation of Amines with Alcohols in the Presence of Ruthenium Catalysts with Chelating N-Heterocyclic Carbene Ligands**  
SAHİN Z., GÜRBÜZ N., ÖZDEMİR İ., Sahin O., Buyukgungor O., ACHARD M., BRUNEAU C.  
ORGANOMETALLICS, vol.34, no.11, pp.2296-2304, 2015 (SCI-Expanded)
- CLIX. **Palladium Complexes with Tetrahydropyrimidin-2-ylidene Ligands: Catalytic Activity for the Direct Arylation of Furan, Thiophene, and Thiazole Derivatives**  
KARACA E. Ö., GÜRBÜZ N., ÖZDEMİR İ., DOUCET H., Sahin O., Buyukgungor O., Cetinkaya B.  
ORGANOMETALLICS, vol.34, no.11, pp.2487-2493, 2015 (SCI-Expanded)
- CLX. **Functionalized ionic liquids based on imidazolium cation: Synthesis, characterization and catalytic activity for N-alkylation reaction**  
DEMİR S., DAMARHAN Y., ÖZDEMİR İ.  
JOURNAL OF MOLECULAR LIQUIDS, vol.204, pp.210-215, 2015 (SCI-Expanded)
- CLXI. **Synthesis, characterization and the Suzuki-Miyaura coupling reactions of N-heterocyclic carbene-Pd(II)-pyridine (PEPPSI) complexes**  
YAŞAR S., Sahin C., Arslan M., ÖZDEMİR İ.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.776, pp.107-112, 2015 (SCI-Expanded)
- CLXII. **Preface**  
Cetinkaya B., Poli R., ÖZDEMİR İ.  
TURKISH JOURNAL OF CHEMISTRY, vol.39, no.6, 2015 (SCI-Expanded)
- CLXIII. **Transfer hydrogenation of ketones in the presence of half sandwich ruthenium (II) complexes bearing imidazoline and benzimidazole ligand**  
ŞAHİN N., DEMİR S., ÖZDEMİR İ.  
ARKIVOC, pp.20-33, 2015 (SCI-Expanded)
- CLXIV. **Cross coupling reactions catalyzed by (NHC)Pd(II) complexes**  
GÜRBÜZ N., KARACA E. Ö., ÖZDEMİR İ., Cetinkaya B.  
TURKISH JOURNAL OF CHEMISTRY, vol.39, no.6, pp.1115-1157, 2015 (SCI-Expanded)
- CLXV. **The synthesis of 1,3-dialkyl-4-methylimidazolium salts and their application in palladium catalyzed Heck coupling reactions**  
Yigit M., Bayam G., Yigit B., ÖZDEMİR İ.  
TURKISH JOURNAL OF CHEMISTRY, vol.39, no.2, pp.281-289, 2015 (SCI-Expanded)
- CLXVI. **RHODIUM(I)-N-HETEROCYCLIC CARBENE-CATALYZED ADDITION OF SODIUM TETRAPHENYLBORATE**

## TO KETONES TO FORM TERTIARY ALCOHOLS

Yigit B., Yigit M., ÖZDEMİR İ.

HETEROCYCLES, vol.89, no.11, pp.2562-2571, 2014 (SCI-Expanded)

- CLXVII. **Ionic liquid based Ru(II)-phosphinite compounds and their catalytic use in transfer hydrogenation: X-ray structure of an ionic compound 1-chloro-3-(3-methylimidazolidin-1-yl)propan-2-ol**  
Aydemir M., RAFIKOVA K., KYSTAUBAYEVA N., Pasa S., Meric N., Ocak Y. S., ZAZYBIN A., Temel H., GÜRBÜZ N., ÖZDEMİR İ.  
POLYHEDRON, vol.81, pp.245-255, 2014 (SCI-Expanded)
- CLXVIII. **Palladium(II)-N-heterocyclic carbene complexes: synthesis, characterization and catalytic application**  
Cekirdek S., Yasar S., ÖZDEMİR İ.  
APPLIED ORGANOMETALLIC CHEMISTRY, vol.28, no.6, pp.423-431, 2014 (SCI-Expanded)
- CLXIX. **Imidazolidinium ferrate complexes: Synthesis and catalytic properties**  
DEMİR S., GOKCE Y., ROISNEL T., SORTAIS J., DARCEL C., ÖZDEMİR İ.  
COMPTES RENDUS CHIMIE, vol.17, no.6, pp.541-548, 2014 (SCI-Expanded)
- CLXX. **Transfer hydrogenation of ketones catalyzed by new rhodium and iridium complexes of aminophosphine containing cyclohexyl moiety and photosensing behaviors of rhodium and iridium based devices**  
RAFIKOVA K., KYSTAUBAYEVA N., Aydemir M., Kayan C., Ocak Y. S., Temel H., ZAZYBIN A., GÜRBÜZ N., ÖZDEMİR İ.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.758, pp.1-8, 2014 (SCI-Expanded)
- CLXXI. **New Bisbenzimidazolin-2-ylidene Salts as N-Heterocyclic Dicarbene Precursors: Synthesis, Characterization, and Involvement in Palladium-Catalyzed Suzuki Reactions**  
Yasar S., Cekirdek S., ÖZDEMİR İ.  
HETEROATOM CHEMISTRY, vol.25, no.3, pp.157-162, 2014 (SCI-Expanded)
- CLXXII. **The first used half sandwich ruthenium(II) complexes bearing benzimidazole moiety for N-alkylation of amines with alcohols**  
DEMİR S., Coşkun F., ÖZDEMİR İ.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.755, pp.134-140, 2014 (SCI-Expanded)
- CLXXIII. **Synthesis of new iron-NHC complexes as catalysts for hydrosilylation reactions**  
DEMİR S., GOKCE Y., KALOGLU N., SORTAIS J., DARCEL C., ÖZDEMİR İ.  
APPLIED ORGANOMETALLIC CHEMISTRY, vol.27, no.8, pp.459-464, 2013 (SCI-Expanded)
- CLXXIV. **Subtle Steric Effects in Nickel-Catalysed Kumada-Tamao-Corriu Cross-Coupling Using Resorcinarenyl-Imidazolium Salts**  
SAHIN N., SEMERIL D., BRENNER E., MATT D., ÖZDEMİR İ., KAYA C., TOUPET L.  
EUROPEAN JOURNAL OF ORGANIC CHEMISTRY, vol.2013, no.20, pp.4443-4449, 2013 (SCI-Expanded)
- CLXXV. **Synthesis of rhodium complexes derived from benzimidazolin-2-ylidene ligands and first used for the addition of arylboron to benzonitriles**  
DEMİR S., Yigit M., ÖZDEMİR İ.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.732, pp.21-26, 2013 (SCI-Expanded)
- CLXXVI. **Resorcinarene-Functionalised Imidazolium Salts as Ligand Precursors for Palladium-Catalysed SuzukiMiyaura Cross-Couplings**  
SAHIN N., SEMERIL D., BRENNER E., MATT D., ÖZDEMİR İ., KAYA C., TOUPET L.  
CHEMCATCHEM, vol.5, no.5, pp.1116-1125, 2013 (SCI-Expanded)
- CLXXVII. **SYNTHESIS OF 1,3-DIALKYLPERHYDROBENZIMIDAZOLINIUM SALTS AND THEIR CATALYTIC PROPERTIES IN HECK REACTIONS**  
Yigit M., Bayam G., Yigit B., ÖZDEMİR İ.  
HETEROCYCLES, vol.87, no.4, pp.897-909, 2013 (SCI-Expanded)
- CLXXVIII. **Synthesis and antimicrobial activity of novel gold(I) N-heterocyclic carbene complexes**  
DOGAN O., KALOGLU N., DEMİR S., ÖZDEMİR İ., GÜNAL S., ÖZDEMİR İ.  
MONATSHFTE FÜR CHEMIE, vol.144, no.3, pp.313-319, 2013 (SCI-Expanded)
- CLXXIX. **N-Heterocyclic carbene-palladium catalysts for the direct arylation of pyrrole derivatives with aryl**

**chlorides**

ÖZDEMİR İ., GÜRBÜZ N., KALOĞLU N., DOĞAN O., KALOĞLU M., BRUNEAU C., DOUCET H.  
BEILSTEIN JOURNAL OF ORGANIC CHEMISTRY, vol.9, pp.303-312, 2013 (SCI-Expanded)

- CLXXX. **Synthesis, crystal structures, magnetic properties and Suzuki and Heck coupling catalytic activities of new coordination polymers containing tetracyanopalladate(II) anions**  
Senocak A., Karadag A., Yerli Y., GÜRBÜZ N., ÖZDEMİR İ., ŞAHİN E.  
POLYHEDRON, vol.49, no.1, pp.50-60, 2013 (SCI-Expanded)
- CLXXXI. **Potential N-Heterocyclic Carbene Precursors in the Palladium-Catalyzed Heck Reaction**  
DEMİR S., ZENGİN R., ÖZDEMİR İ.  
HETEROATOM CHEMISTRY, vol.24, no.1, pp.77-83, 2013 (SCI-Expanded)
- CLXXXII. **An efficient ligand-free method for the transfer hydrogenation of ketones and aldehydes catalyzed by different complexes**  
Yasar S., Cekirdek S., Akkus Tas N., Yildirim S., ÖZDEMİR İ.  
TURKISH JOURNAL OF CHEMISTRY, vol.37, no.2, pp.292-298, 2013 (SCI-Expanded)
- CLXXXIII. **Use of benzimidazolium salts for in situ generation of palladium catalysts in Heck reactions in water**  
SLAMANI A., DEMİR S., ÖZDEMİR İ.  
CATALYSIS COMMUNICATIONS, vol.29, pp.141-144, 2012 (SCI-Expanded)
- CLXXXIV. **Ruthenium, rhodium and iridium complexes of the furfuryl-2-(N-diphenylphosphino)methylamine ligand: Molecular structure and catalytic activity**  
Kayan C., Meric N., Aydemir M., Baysal A., Elma D., Ak B., ŞAHİN E., GÜRBÜZ N., ÖZDEMİR İ.  
POLYHEDRON, vol.42, no.1, pp.142-148, 2012 (SCI-Expanded)
- CLXXXV. **Novel benzimidazolium salts and their silver complexes: Synthesis and antibacterial properties**  
GÜNAL S., KALOĞLU N., ÖZDEMİR İ., DEMİR S., ÖZDEMİR İ.  
INORGANIC CHEMISTRY COMMUNICATIONS, vol.21, pp.142-146, 2012 (SCI-Expanded)
- CLXXXVI. **Synthesis of ruthenium(II) N-heterocyclic carbene complexes and their catalytic activities in transfer hydrogenation of ketones**  
Yigit B., Yigit M., ÖZDEMİR İ., Cetinkaya E.  
TRANSITION METAL CHEMISTRY, vol.37, no.3, pp.297-302, 2012 (SCI-Expanded)
- CLXXXVII. **Evaluation of reproductive toxicity in male rats treated with novel synthesized ruthenium(II) and gold(I)-NHC complexes**  
ÇİFTÇİ O., BEYTUR A., VARDI N., ÖZDEMİR İ.  
DRUG DEVELOPMENT AND INDUSTRIAL PHARMACY, vol.38, no.1, pp.40-46, 2012 (SCI-Expanded)
- :LXXXVIII. **Preparation of a series of Ru(II) complexes with N-heterocyclic carbene ligands for the catalytic transfer hydrogenation of aromatic ketones**  
GÜRBÜZ N., Özcan E. Ö., ÖZDEMİR İ., Cetinkaya B., Sahin O., Buyukgungor O.  
DALTON TRANSACTIONS, vol.41, no.8, pp.2330-2339, 2012 (SCI-Expanded)
- CLXXXIX. **Synthesis, characterization, electrochemical behaviors and applications in the Suzuki-Miyaura cross-coupling reactions of N2S2O2 thio Schiff base ligand and its Cu(II), Co(III), Ni(II), Pd(II) complexes and their usage in the fabrication of organic-inorganic hybrid devices**  
Temel H., Pasa S., Ocak Y. S., Yılmaz İ., DEMİR S., ÖZDEMİR İ.  
SYNTHETIC METALS, vol.161, no.23-24, pp.2765-2775, 2012 (SCI-Expanded)
- CXC. **Synthesis and use of trans-dichlorido-tetrakis-(N-R-imidazole)nickel(II) complexes in Kumada-Tamao-Corriu cross-coupling reactions**  
SAHİN N., EL MOLL H., SEMERİL D., MATT D., ÖZDEMİR İ., KAYA C., TOUPET L.  
POLYHEDRON, vol.30, no.12, pp.2051-2054, 2011 (SCI-Expanded)
- CXCI. **Butylene linked palladium N-heterocyclic carbene complexes: Synthesis and catalytic properties**  
DEMİR S., ÖZDEMİR İ., Arslan H., VanDerveer D.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.696, no.13, pp.2589-2593, 2011 (SCI-Expanded)
- CXCII. **Synthesis, characterization and catalytic properties of cis-dibromo{1,1'-di[3,4,5-trimethoxybenzyl]-3,3'-butylenedibenzimidazol-2,2'-diylidene}palladium (II)**  
ÖZDEMİR İ., Arslan H., DEMİR S., VanDerveer D., Cetinkaya B.

- INORGANIC CHEMISTRY COMMUNICATIONS, vol.14, no.5, pp.672-675, 2011 (SCI-Expanded)
- CXCIII. **Palladium(II)-NHC complexes containing benzimidazole ligand as a catalyst for C-N bond formation**  
DOGAN O., DEMİR S., ÖZDEMİR İ., Cetinkaya B.  
APPLIED ORGANOMETALLIC CHEMISTRY, vol.25, no.3, pp.163-167, 2011 (SCI-Expanded)
- CXCIV. **THE SYNTHESIS OF NOVEL PALLADIUM(II) CARBENE COMPLEXES, AZOLIUM SALTS AND THEIR CATALYTIC PROPERTIES**  
Yigit B., Yigit M., ÖZDEMİR İ., Cetinkaya E.  
HETEROCYCLES, vol.83, no.2, pp.299-309, 2011 (SCI-Expanded)
- CXCV. **In situ catalytic activities of 1,3-dialkyltetrahydropyrimidinium salts/[RuCl<sub>2</sub>(p-cymene)](2) system for transfer hydrogenation reactions**  
Ozcan E. Ö., Mercan D., GÜRBÜZ N., Cetinkaya E., Cetinkaya B., ÖZDEMİR İ.  
TURKISH JOURNAL OF CHEMISTRY, vol.35, no.5, pp.699-709, 2011 (SCI-Expanded)
- CXCVI. **Synthesis, characterization, and application to transfer hydrogenation of eta(6)-(3,4,5-trimethoxybenzyl)-eta(1)-N-heterocyclic carbene-ruthenium complex**  
DEMİR S., ÖZDEMİR İ., Cetinkaya B., ŞAHİN E., ARICI C.  
JOURNAL OF COORDINATION CHEMISTRY, vol.64, no.14, pp.2565-2572, 2011 (SCI-Expanded)
- CXCVII. **Synthesis and characterization of bidentate NHC-Pd complexes and their role in amination reactions**  
Demir S., ÖZDEMİR İ., Cetinkaya B., ARSLAN H., VanDerveer D.  
POLYHEDRON, vol.30, no.1, pp.195-200, 2011 (SCI-Expanded)
- CXCVIII. **Synthesis, characterization and antimicrobial activity of new silver complexes with N-heterocyclic carbene ligands**  
ÖZDEMİR İ., DEMİR S., GÜNAL S., ÖZDEMİR İ., Arici C., Ulku D.  
INORGANICA CHIMICA ACTA, vol.363, no.14, pp.3803-3808, 2010 (SCI-Expanded)
- CXCIX. **Synthesis and antimicrobial activity of Ag(I)-N-heterocyclic carbene complexes derived from benzimidazol-2-ylidene**  
ÖZDEMİR İ., GÜRBÜZ N., DOGAN O., GÜNAL S., ÖZDEMİR İ.  
APPLIED ORGANOMETALLIC CHEMISTRY, vol.24, no.11, pp.758-762, 2010 (SCI-Expanded)
- CC. **Transfer Hydrogenation of Ketones by Ruthenium Complexes Bearing Benzimidazol-2-ylidene Ligands**  
GÜRBÜZ N., Yasar S., Ozcan E. Ö., ÖZDEMİR İ., Cetinkaya B.  
EUROPEAN JOURNAL OF INORGANIC CHEMISTRY, no.19, pp.3051-3056, 2010 (SCI-Expanded)
- CCI. **Palladium N-heterocyclic carbene complexes: Synthesis, characterization and catalytic properties in amination**  
ÖZDEMİR İ., DEMİR S., Sahin O., Buyukgungor O., Cetinkaya B.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.695, no.10-11, pp.1555-1560, 2010 (SCI-Expanded)
- CCII. **THE SYNTHESIS OF SOME BENZIMIDAZOLIUM SALTS AND USE AS CARBENE PRECURSORS IN THE HECK AND SUZUKI REACTIONS**  
Yigit B., Yigit M., ÖZDEMİR İ., Cetinkaya E.  
HETEROCYCLES, vol.81, no.4, pp.943-953, 2010 (SCI-Expanded)
- CCIII. **N-Heterocyclic Carbenes: Useful Ligands for the Palladium-Catalysed Direct C5 Arylation of Heteroaromatics with Aryl Bromides or Electron-Deficient Aryl Chlorides**  
ÖZDEMİR İ., GÖK Y., Ozeroglu O., KALOĞLU M., DOUCET H., BRUNEAU C.  
EUROPEAN JOURNAL OF INORGANIC CHEMISTRY, no.12, pp.1798-1805, 2010 (SCI-Expanded)
- CCIV. **Synthesis and characterization of ether-derivatized aminophosphines and their application in C-C coupling reactions**  
Biricik N., Kayan C., Gumgum B., Fei Z., Scopelliti R., Dyson P. J., GÜRBÜZ N., ÖZDEMİR İ.  
INORGANICA CHIMICA ACTA, vol.363, no.5, pp.1039-1047, 2010 (SCI-Expanded)
- CCV. **The orthopalladation dinuclear [Pd(L-1)(mu-OAc)](2), [Pd(L-2)(mu-OAc)](2) and mononuclear [Pd(L-3)](2) complexes with [N, C, O] or [N, O] containing ligands: Synthesis, spectral characterization, electrochemistry and catalytic properties**  
Kilic A., Kilinc D., Tas E., Yilmaz İ., Durgun M., ÖZDEMİR İ., YAŞAR S.

- JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.695, no.5, pp.697-706, 2010 (SCI-Expanded)
- CCVI. **Pd Functionalized MCM-41 Catalysts for Suzuki Reactions**  
GÜRBÜZ N., Vural S., YAŞAR S., ÖZDEMİR İ., SEÇKİN T.  
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.20, no.1, pp.19-25, 2010 (SCI-Expanded)
- CCVII. **New 1,2,4,5-tetrakis-(N-imidazoliummethyl)benzene and 1,2,4,5-tetrakis(N-benzimidazoliummethyl)benzene salts as N-heterocyclic tetracarbene precursors: synthesis and involvement in ruthenium-catalyzed allylation reactions**  
GÜRBÜZ N., Demir S., ÖZDEMİR İ., Cetinkaya B., BRUNEAU C.  
TETRAHEDRON, vol.66, no.6, pp.1346-1351, 2010 (SCI-Expanded)
- CCVIII. **Synthesis and Catalytic Activity of Novel Benzimidazolinylidene-Ruthenium(II) Complexes**  
Demir S., ÖZDEMİR İ., Sahin O., Cetinkaya B., BÜYÜKGÜNGÖR O.  
SYNLETT, no.3, pp.496-500, 2010 (SCI-Expanded)
- CCIX. **Palladium-Catalyzed Heck Coupling Reaction of Aryl Bromides in Aqueous Media Using Tetrahydropyrimidinium Salts as Carbene Ligands**  
Yasar S., Ozcan E. Ö., GÜRBÜZ N., Cetinkaya B., ÖZDEMİR İ.  
MOLECULES, vol.15, no.2, pp.649-659, 2010 (SCI-Expanded)
- CCX. **Picolyl substituted N-heterocyclic carbene/palladium catalyzed Heck reactions**  
Yigit B., Yigit M., ÖZDEMİR İ., Cetinkaya E.  
TURKISH JOURNAL OF CHEMISTRY, vol.34, no.3, pp.327-334, 2010 (SCI-Expanded)
- CCXI. **Synthesis and characterization of new (N-diphenylphosphino)-isopropylanilines and their complexes: crystal structure of (Ph<sub>2</sub>P = S)NH-C<sub>6</sub>H<sub>4</sub>-4-CH(CH<sub>3</sub>)(2) and catalytic activity of palladium(II) complexes in the Heck and Suzuki cross-coupling reactions**  
Aydemir M., Baysal A., GÜRBÜZ N., ÖZDEMİR İ., GUMGUM B., ÖZKAR S., Caylak N., Yildirim L. T.  
APPLIED ORGANOMETALLIC CHEMISTRY, vol.24, no.1, pp.17-24, 2010 (SCI-Expanded)
- CCXII. **HYDROGENATION OF ACETOPHENONE AND ITS DERIVATIVES WITH 2-PROPANOL USING AMINOMETHYLPHOSPHINE-RUTHENIUM CATALYSIS**  
KELEŞ M., Keles T., Serindag O., YAŞAR S., ÖZDEMİR İ.  
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.185, no.1, pp.165-170, 2010 (SCI-Expanded)
- CCXIII. **Ionic liquids as solvent for efficient esterification of carboxylic acids with alkyl halides**  
GÖK Y., Alici B., Cetinkaya E., ÖZDEMİR İ., OZEROGLU O.  
TURKISH JOURNAL OF CHEMISTRY, vol.34, no.2, pp.187-191, 2010 (SCI-Expanded)
- CCXIV. **Synthesis and catalytic properties of novel ruthenium N-heterocyclic-carbene complexes**  
DEMİR S., Oezdemir I., Cetinkaya B.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.694, no.25, pp.4025-4031, 2009 (SCI-Expanded)
- CCXV. **Synthesis and catalytic activity of novel xylyl-linked benzimidazolium salts**  
DEMİR S., ÖZDEMİR İ., Cetinkaya B.  
APPLIED ORGANOMETALLIC CHEMISTRY, vol.23, no.12, pp.520-523, 2009 (SCI-Expanded)
- CCXVI. **Preparation and Catalytic Properties of a Ru(II) Coordinated Polyimide Supported by a Ligand Containing Terpyridine Units**  
SEÇKİN T., ÖZDEMİR İ., Koytepe S., GÜRBÜZ N.  
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.19, no.2, pp.143-151, 2009 (SCI-Expanded)
- CCXVII. **Synthesis, Characterization and Catalytic Activity of New N-Heterocyclic Bis(carbene)ruthenium Complexes**  
ÖZDEMİR İ., Demir S., GÜRBÜZ N., Cetinkaya B., TOUPET L., BRUNEAU C., DIXNEUF P. H.  
EUROPEAN JOURNAL OF INORGANIC CHEMISTRY, no.13, pp.1942-1949, 2009 (SCI-Expanded)
- CCXVIII. **1-(1H-Benzimidazol-1-ylmethyl)-3-[2-(diisopropylamino)ethyl]-1H-benzimidazolium bromide 0.25-hydrate**  
Arslan H., VanDerveer D., DEMİR S., Oezdemir I., Cetinkaya B.

- ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.65, 2009 (SCI-Expanded)
- CCXXIX. **Synthesis and characterization of N-heterocyclic carbene palladium complex and its direct arylation of benzoazoles with aryl bromides application**  
Arslan H., VanDerveer D. G., DEMİR S., ÖZDEMİR İ., Cetinkaya B.  
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, vol.237, 2009 (SCI-Expanded)
- CCXX. **New Functionalized N-Heterocyclic Carbene Ligands for Arylation of Benzaldehydes**  
Dogan O., Guerbuez N., Oezdemir İ., Cetinkaya B.  
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.46, no.2, pp.186-190, 2009 (SCI-Expanded)
- CCXXI. **Dichlorido[1-(2-methylbenzyl)-3-(eta(6)-2,4,6-trimethylbenzyl)-1H-2,3-dihydrobenzimidazol-2-ylidene]ruthenium(II) dichloromethane solvate**  
Arslan H., VanDerveer D., YAŞAR S., ÖZDEMİR İ., Cetinkaya B.  
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.65, 2009 (SCI-Expanded)
- CCXXII. **Mono- and dinuclear Pd(II) complexes of different salicylaldimine ligands as catalysts of transfer hydrogenation of nitrobenzene with cyclohexene and Suzuki-Miyaura coupling reactions**  
Tas E., Kilic A., Durgun M., Yılmaz İ., ÖZDEMİR İ., GÜRBÜZ N.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.694, no.3, pp.446-454, 2009 (SCI-Expanded)
- CCXXIII. **1,3-Bis(2-thienylmethyl)-4,5-dihydroimidazolium trichlorido(eta(6)-p-cymene) ruthenate(II)**  
Arslan H., VanDerveer D., Oezdemir I., Guerbuez N., Goek Y., Cetinkaya B.  
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.65, 2009 (SCI-Expanded)
- CCXXIV. **1,3-Bis(4-tert-butylbenzyl)-4,5-dihydroimidazolium chloride monohydrate**  
Arslan H., VanDerveer D., YAŞAR S., Oezdemir İ., Cetinkaya B.  
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.65, 2009 (SCI-Expanded)
- CCXXV. **Synthesis and characterization of N-heterocyclic carbene palladium complex and its application on direct arylation of benzoxazoles and benzothiazoles with aryl bromides**  
ARSLAN H., ÖZDEMİR İ., Vanderveer D., Demir S., Cetinkaya B.  
JOURNAL OF COORDINATION CHEMISTRY, vol.62, no.16, pp.2591-2599, 2009 (SCI-Expanded)
- CCXXVI. **Synthesis, characterization and catalytic activity of novel N-heterocyclic carbene-palladium complexes**  
DOGAN O., GÜRBÜZ N., ÖZDEMİR İ., Cetinkaya B., Sahin O., Buyukgungor O.  
DALTON TRANSACTIONS, no.35, pp.7087-7093, 2009 (SCI-Expanded)
- CCXXVII. **Bromido[1-(eta(6)-4-tert-butylbenzyl)-3-(2,4,6-trimethylbenzyl)benzimidazol-2-ylidene]chloridoruthenium(II)**  
Arslan H., VanDerveer D., ÖZDEMİR İ., DEMİR S., Cetinkaya B.  
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.65, 2009 (SCI-Expanded)
- CCXXVIII. **1,3-Bis[4-(dimethylamino)benzyl]-4,5,6,7-tetrahydro-1H-1,3-diazepan-2-ium chloride**  
Arslan H., VanDerveer D., GÖK Y., ÖZDEMİR İ., Cetinkaya B.  
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.65, 2009 (SCI-Expanded)
- CCXXIX. **1,3-Bis(thiophen-2-ylmethyl)-3,4,5,6-tetrahydropyrimidinium trichlorido(eta(6)-p-cymene)ruthenate(II)**  
Arslan H., VanDerveer D., ÖZDEMİR İ., GÜRBÜZ N., GÖK Y., Cetinkaya B.  
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.65, 2009 (SCI-Expanded)
- CCXXX. **1-(4-tert-Butylbenzyl)-3-(3,4,5-trimethoxybenzyl)benzimidazolium bromide monohydrate**  
Arslan H., VanDerveer D., DEMİR S., ÖZDEMİR İ., Cetinkaya B.  
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.65, 2009 (SCI-Expanded)
- CCXXXI. **Synthesis, characterization and catalytic properties of an N-heterocyclic carbene palladium-based complex**  
ÖZDEMİR İ., ARSLAN H., Demir S., VanDerveer D., Cetinkaya B.  
INORGANIC CHEMISTRY COMMUNICATIONS, vol.11, no.12, pp.1462-1465, 2008 (SCI-Expanded)
- CCXXXII. **Synthesis of new aminophosphine complexes and their catalytic activities in C-C coupling reactions**  
Biricik N., Durap F., Kayan C., Guemguema B., Guerbuez N., Oezdemir İ., Ang W. H., Fei Z., Scopelliti R.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.693, no.16, pp.2693-2699, 2008 (SCI-Expanded)

- CCXXXIII. **Palladium N-heterocyclic carbene catalysts for synthesis of diaryl ethers**  
AKKOÇ M., GÜRBÜZ N., Cetinkaya E., ÖZDEMİR İ.  
SYNLETT, no.12, pp.1781-1784, 2008 (SCI-Expanded)
- CCXXXIV. **Novel assemblies of Sn(II) coordinated polyimide supported by a ligand containing N-Heterocyclic phenantroline unit**  
KÖYTEPE S., GÜRBÜZ N., ÖZDEMİR İ., SEÇKİN T.  
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.18, no.2, pp.290-295, 2008 (SCI-Expanded)
- CCXXXV. **Ruthenium N-heterocyclic-carbene catalyzed arylation of arene C - H bond**  
YAŞAR S., Dogan O., Oezdemir İ., Cetinkaya B.  
APPLIED ORGANOMETALLIC CHEMISTRY, vol.22, no.6, pp.314-318, 2008 (SCI-Expanded)
- CCXXXVI. **Benzylic imidazolidinium, 3,4,5,6-tetrahydropyrimidinium and benzimidazolium salts: Applications in ruthenium-catalyzed allylic substitution reactions**  
YAŞAR S., Oezdemir I., Cetinkaya B., Renaud J., Bruneau C.  
EUROPEAN JOURNAL OF ORGANIC CHEMISTRY, vol.2008, no.12, pp.2142-2149, 2008 (SCI-Expanded)
- CCXXXVII. **Heck and Suzuki reactions of aryl halides catalyzed by 1,3-dialkylimidazolium/palladium**  
YAŞAR S., Oezdemir I., Cetinkaya B.  
CHINESE JOURNAL OF CATALYSIS, vol.29, no.2, pp.185-190, 2008 (SCI-Expanded)
- CCXXXVIII. **Synthesis and use of mono- or bisxylyl linked bis(benzimidazolium) bromides as carbene precursors for C-C bond formation reactions**  
Tuerkmen H., DENİZALTI S., Oezdemir I., Cetinkaya E., Centinkaya B.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.693, no.3, pp.425-434, 2008 (SCI-Expanded)
- CCXXXIX. **N-functionalized azolin-2-ylidene-palladium-catalyzed Heck reaction**  
Oezdemir I., Guerbuez N., Goek Y., Cetinkaya B.  
HETEROATOM CHEMISTRY, vol.19, no.1, pp.82-86, 2008 (SCI-Expanded)
- CCXL. **Synthesis of novel rhodium-xylyl linked N-heterocyclic carbene complexes as hydrosilylation catalysts**  
Oezdemir I., DEMİR S., Sahin O., Bueyuekguengoer O., Cetinkaya B.  
APPLIED ORGANOMETALLIC CHEMISTRY, vol.22, no.1, pp.59-66, 2008 (SCI-Expanded)
- CCXLI. **Synthesis and characterization of an N-heterocyclic carbene palladium-based complex**  
ARSLAN H., VanDerveer D., Demir S., ÖZDEMİR İ., Cetinkaya B.  
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.64, 2008 (SCI-Expanded)
- CCXLII. **Direct arylation of arene C-H bonds by cooperative action of NHCarbene-Ruthenium(II) catalyst and carbonate via proton abstraction mechanism**  
ÖZDEMİR İ., DEMİR S., CETINKAYA B., Gourlaouen C., MASERAS F., BRUNEAU C., DIXNEUF P. H.  
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, vol.130, no.4, pp.1156-1158, 2008 (SCI-Expanded)
- CCXLIII. **Palladium N-heterocyclic-carbene-catalyzed ortho-arylation of benzaldehyde derivatives**  
DOGAN O., GÜRBÜZ N., ÖZDEMİR İ., Cetinkaya B.  
HETEROATOM CHEMISTRY, vol.19, no.6, pp.569-574, 2008 (SCI-Expanded)
- CCXLIV. **Polyimide-Supported Dichloro-1,3-bis(p-dimethylaminobenzyl)benzimidazolidin-2-ylidene-ruthenium (II) as Effective Catalyst for Hydrosilylation Reactions**  
Koeytepe S., SEÇKİN T., YAŞAR S., Oezdemir İ.  
DESIGNED MONOMERS AND POLYMERS, vol.11, no.5, pp.409-422, 2008 (SCI-Expanded)
- CCXLV. **Application of N,N-bis(diphenylphosphino) aniline palladium(II) complexes as pre-catalysts in Heck coupling reactions**  
GUEMGUEM B., BIRICIK N., DURAP F., Oezdemir I., Guerbuez N., ANG W. H., DYSON P. J.  
APPLIED ORGANOMETALLIC CHEMISTRY, vol.21, no.8, pp.711-715, 2007 (SCI-Expanded)
- CCXLVI. **Ionic liquids as solvents/catalysts for selective alkylation of amines with alkyl halides**  
Gok Y., Ozdemir I., CETINKAYA E.  
CHINESE JOURNAL OF CATALYSIS, vol.28, no.6, pp.489-491, 2007 (SCI-Expanded)
- CCXLVII. **Chelating eta(6)-arene-eta(1)-carbene ligands in ruthenium complexes**

- Ozdemir I., DEMIR S., CETINKAYA B., TOUPET L., CASTARLENAS R., FISCHMEISTER C., DIXNEUF P. H.  
EUROPEAN JOURNAL OF INORGANIC CHEMISTRY, no.18, pp.2862-2869, 2007 (SCI-Expanded)
- CCXLVIII. **Novel rhodium N-heterocyclic carbene catalysed arylation of aldehydes with phenylboronic acid**  
YIGIT M., Ozdemir I., CETINKAYA E., CETINKAYA B.  
TRANSITION METAL CHEMISTRY, vol.32, no.4, pp.536-540, 2007 (SCI-Expanded)
- CCXLIX. **Palladium-catalyzed Heck reaction of aryl bromides in aqueous media using tris(N-heterocyclic carbene) ligands**  
Ozdemir I., DEMIR S., CETINKAYA B.  
SYNLETT, no.6, pp.889-892, 2007 (SCI-Expanded)
- CCL. **Dichlorido[1-(3,5-dimethylbenzyl)-3-(2,4,6-trimethylbenzyl)imidazolidin-2-ylidene]ruthenium(II)**  
Arslan H., VanDerveer D., Yasar S., Ozdemir I., Cetinkaya B.  
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.63, 2007 (SCI-Expanded)
- CCLI. **Dichlorido[1-(2-methylbenzyl)-3-(2,4,6-trimethylbenzyl)imidazolidin-2-ylidene]ruthenium(II)**  
ARSLAN H., VANDERVEER D., Yasar S., Ozdemir I., CETINKAYA B.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.63, 2007 (SCI-Expanded)
- CCLII. **{1,3-bis(3,4,5-trimethoxybenzyl)-3,4,5,6-tetrahydropyrimidin-2-ylidene} chloro(eta(4)-cycloocta-1,5-diene)rhodium(I)**  
ARSLAN H., VANDERVEER D., Ozdemir I., DEMIR S., CETINKAYA B.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.63, 2007 (SCI-Expanded)
- CCLIII. **Transfer hydrogenation of ketones catalyzed by 1-alkylbenzimidazole ruthenium(II) complexes**  
Ozdemir I., SAHIN N., CETINKAYA B.  
MONATSHFTE FUR CHEMIE, vol.138, no.3, pp.205-209, 2007 (SCI-Expanded)
- CCLIV. **Benzimidazolylidene carbene ligated palladium catalysis of the heck reaction in aqueous media**  
Ozdemir I., Goek Y., Guerbuez N., CETINKAYA B.  
TURKISH JOURNAL OF CHEMISTRY, vol.31, no.4, pp.397-402, 2007 (SCI-Expanded)
- CCLV. **Synthesis and catalytic properties of N-functionalised carbene complexes of rhodium(I)**  
Ozdemir I., Yigit M., Yigit B., Cetinkaya B., Cetinkaya E.  
JOURNAL OF COORDINATION CHEMISTRY, vol.60, no.21, pp.2377-2384, 2007 (SCI-Expanded)
- CCLVI. **In situ preparation of rhodium/N-heterocyclic carbene complexes and use for addition of arylboronic acids to aldehydes**  
KILINCARSLAN R., YIGIT M., Ozdemir I., CETINKAYA E., CETINKAYA B.  
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.44, no.1, pp.69-73, 2007 (SCI-Expanded)
- CCLVII. **Novel tetrahydropyrimidinium/palladium system as a convenient catalyst: Suzuki coupling reactions of aryl chlorides**  
ÖZDEMİR İ., DEMİR S., Cetinkaya B.  
ARKIVOC, pp.71-78, 2007 (SCI-Expanded)
- CCLVIII. **Novel azolinium/rhodium system catalyzed addition of arylboronic acids to aldehydes**  
Ozdemir I., YIGIT M., CETINKAYA E., CETINKAYA B.  
HETEROCYCLES, vol.68, no.7, pp.1371-1379, 2006 (SCI-Expanded)
- CCLIX. **Active ruthenium-(N-heterocyclic carbene) complexes for hydrogenation of ketones**  
YIGIT M., YIGIT B., Ozdemir I., CETINKAYA E., CETINKAYA B.  
APPLIED ORGANOMETALLIC CHEMISTRY, vol.20, no.5, pp.322-327, 2006 (SCI-Expanded)
- CCLX. **Synthesis, structure and spectroscopic characterization of 1,2-bis-(2,4,6-trimethylbenzylideneamino) ethanedichloropalladium(II)**  
ARICI C., ULKU D., Ozdemir I., DEMIR S., CETINKAYA B.  
JOURNAL OF COORDINATION CHEMISTRY, vol.59, no.7, pp.797-802, 2006 (SCI-Expanded)
- CCLXI. **Use of bis(benzimidazolium) - palladium system as a convenient catalyst for Heck and Suzuki coupling reactions of aryl bromides and chlorides**  
DEMIR S., Ozdemir I., CETINKAYA B.  
APPLIED ORGANOMETALLIC CHEMISTRY, vol.20, no.4, pp.254-259, 2006 (SCI-Expanded)
- CCLXII. **Synthesis of novel palladium N-heterocyclic-carbene complexes as catalysts for Heck and Suzuki**



### **cross-coupling reactions**

Ozdemir I., YIGIT M., CETINKAYA E., CETINKAYA B.

APPLIED ORGANOMETALLIC CHEMISTRY, vol.20, no.3, pp.187-192, 2006 (SCI-Expanded)

- CCLXIII. **Regioselective allylic alkylation and etherification catalyzed by in situ generated N-heterocyclic carbene ruthenium complexes**  
Gurbuz N., Ozdemir I., CETINKAYA B., RENAUD J., DEMERSEMAN B., BRUNEAU C.  
TETRAHEDRON LETTERS, vol.47, no.4, pp.535-538, 2006 (SCI-Expanded)
- CCLXIV. **Synthesis of a ruthenium complex bound to a polyimide matrix: Investigating the catalytic properties in a hydrosilylation reaction**  
SECKIN T., KOYTEPE S., Ozdemir I., CETINKAYA B.  
TURKISH JOURNAL OF CHEMISTRY, vol.30, no.1, pp.93-101, 2006 (SCI-Expanded)
- CCLXV. **Dichloride [1-(2,4,6-trimethylbenzyl)-3-(biphenyl-2-ylmethyl)-imidazolidin-2-ylidene (eta(6)-hexamethylbenzene)]ruthenium**  
ARSLAN H., VAN DERVEER D., Ozdemir I., Yasar S., CETINKAYA B.  
TURKISH JOURNAL OF CHEMISTRY, vol.30, no.5, pp.535-541, 2006 (SCI-Expanded)
- CCLXVI. **Novel rhodium-1,3-dialkyl-3,4,5,6-tetrahydropyrimidin-2-ylidene complexes as catalysts for arylation of aromatic aldehydes**  
Ozdemir I., DEMIR S., CETINKAYA B., CETINKAYA E.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.690, no.24-25, pp.5849-5855, 2005 (SCI-Expanded)
- CCLXVII. **Novel N-heterocyclic-carbene-rhodium complexes as hydrosilylation catalysts**  
YIGIT M., Ozdemir I., CETINKAYA B., CETINKAYA E.  
JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL, vol.241, pp.88-92, 2005 (SCI-Expanded)
- CCLXVIII. **Use of tetrahydropyridinium salts for highly efficient palladium-catalyzed cross-coupling reactions of aryl bromides and chlorides**  
Ozdemir I., DEMIR S., CETINKAYA B.  
TETRAHEDRON, vol.61, no.41, pp.9791-9798, 2005 (SCI-Expanded)
- CCLXIX. **Ruthenium(II) N-heterocyclic carbene complexes in the transfer hydrogenation of ketones**  
Ozdemir I., YASAR S., CETINKAYA B.  
TRANSITION METAL CHEMISTRY, vol.30, no.7, pp.831-835, 2005 (SCI-Expanded)
- CCLXX. **Palladium-catalyzed Suzuki-Miyaura reaction of aryl chlorides in aqueous media using tetrahydrodiazepinium salts as carbene ligands**  
Ozdemir I., Gurbuz N., GOK Y., CETINKAYA E., CETINKAYA B.  
SYNLETT, no.15, pp.2394-2396, 2005 (SCI-Expanded)
- CCLXXI. **Dichloro[3-(1-naphthylmethyl)-1-(2,4,6-trimethylbenzyl)imidazolidin-2-ylidene]ruthenium**  
ARSLAN H., VANDERVEER D., Ozdemir I., YASAR S., CETINKAYA B.  
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.61, 2005 (SCI-Expanded)
- CCLXXII. **Benzimidazolin-2-ylidene-palladium-catalysed coupling reactions of aryl halides**  
Gok Y., Gurbuz N., Ozdemir I., CETINKAYA B., CETINKAYA E.  
APPLIED ORGANOMETALLIC CHEMISTRY, vol.19, no.7, pp.870-874, 2005 (SCI-Expanded)
- CCLXXIII. **1,4,5,6-tetrahydropyrimidinium halides ligands for Suzuki-Miyaura cross-coupling of unactivated aryl chlorides**  
Alici B., Ozdemir I., Gurbuz N., CETINKAYA E., CETINKAYA B.  
HETEROCYCLES, vol.65, no.6, pp.1439-1446, 2005 (SCI-Expanded)
- CCLXXIV. **In situ generated 1-alkylbenzimidazole-palladium catalyst for the Suzuki coupling of aryl chlorides**  
Ozdemir I., SAHIN N., GOK Y., DEMIR S., CETINKAYA B.  
JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL, vol.234, no.1-2, pp.181-185, 2005 (SCI-Expanded)
- CCLXXV. **Crystal structure of [RuCl<sub>2</sub>[N-(2,4,6-trimethyl-benzyl)N-(n-butyl)]-imidazolidin-2-ylidene] and [RuCl<sub>2</sub>[N-(2,4,6-trimethyl-benzyl)-N-(2-methoxyethyl)]imidazolidin-2-ylidene]**  
ARSLAN H., VANDERVEER D., Ozdemir I., CETINKAYA B., DEMIR S.  
JOURNAL OF CHEMICAL CRYSTALLOGRAPHY, vol.35, no.6, pp.491-495, 2005 (SCI-Expanded)
- CCLXXVI. **Synthesis of silica-supported rhodium carbene complex as efficient catalyst for the addition of**

**phenylboronic acid to aldehydes**

Ozdemir I., Gurbuz N., Seckin T., CETINKAYA B.

APPLIED ORGANOMETALLIC CHEMISTRY, vol.19, no.5, pp.633-638, 2005 (SCI-Expanded)

CCLXXVII. **Synthesis and catalytic properties of 1-alkylperimidineruthenium (II) complexes**

Alici B., Ozdemir I., KARAASLAN K., CETINKAYA E., CETINKAYA B.

JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL, vol.231, pp.261-264, 2005 (SCI-Expanded)

CLXXVIII. **Rhodium-benzimidazolidin-2-ylidene catalyzed addition of arylboronic acids to aldehydes**

Ozdemir I., Gurbuz N., Gok Y., CETINKAYA B., CETINKAYA E.

TRANSITION METAL CHEMISTRY, vol.30, no.3, pp.367-371, 2005 (SCI-Expanded)

CCLXXIX. **Selective palladium-catalyzed arylation(s) of benzaldehyde derivatives by N-heterocarbene ligands**

Gurbuz N., Ozdemir I., CETINKAYA B.

TETRAHEDRON LETTERS, vol.46, no.13, pp.2273-2277, 2005 (SCI-Expanded)

CCLXXX. **In situ preparation of palladium N-heterocyclic carbene complexes and use for Suzuki reaction**

Ozdemir I., Gok Y., Gurbuz N., CETINKAYA E., CETINKAYA B.

JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.42, no.2, pp.303-306, 2005 (SCI-Expanded)

CCLXXXI. **Synthesis of Ru(II) complex with 3-(4,5-dihydroimidazol-1-yl)propyltriethoxysilane containing viologen group**

Gurbuz N., Seckin T., Ozdemir I., CETINKAYA B.

RUSSIAN JOURNAL OF COORDINATION CHEMISTRY, vol.31, no.3, pp.170-173, 2005 (SCI-Expanded)

CCLXXXII. **Synthesis of Pd(II) 1-alkylperimidine complexes as efficient catalysts for Suzuki reactions involving arylchlorides**

Ozdemir I., Alici B., Gurbuz N., CETINKAYA B., CETINKAYA E.

RUSSIAN JOURNAL OF COORDINATION CHEMISTRY, vol.31, no.2, pp.142-145, 2005 (SCI-Expanded)

CLXXXIII. **Palladium-catalysed Suzuki reaction of aryl chlorides in aqueous media using 1,3-dialkylimidazolidin-2-ylidene ligands**

Ozdemir I., DEMIR S., YASAR S., CETINKAYA B.

APPLIED ORGANOMETALLIC CHEMISTRY, vol.19, no.1, pp.55-58, 2005 (SCI-Expanded)

CLXXXIV. **In situ generated rhodium-based catalyst for addition of phenylboronic acid to aldehydes**

YIGIT M., Ozdemir I., CETINKAYA E., CETINKAYA B.

HETEROATOM CHEMISTRY, vol.16, no.6, pp.461-465, 2005 (SCI-Expanded)

CCLXXXV. **In-situ generated 1-alkylimidazoline-palladium catalyst for the Suzuki cross-coupling reaction of aryl chlorides**

Ozdemir I., SAHIN N., Gurbuz N., Demir S., Gok Y., CETINKAYA B., CETINKAYA E.

SYNTHESIS AND REACTIVITY IN INORGANIC METAL-ORGANIC AND NANO-METAL CHEMISTRY, vol.35, no.7, pp.541-544, 2005 (SCI-Expanded)

CLXXXVI. **Suzuki reaction of aryl chlorides using saturated N-heterocarbene ligands**

Ozdemir I., YASAR S., DEMIR S., CETINKAYA B.

HETEROATOM CHEMISTRY, vol.16, no.7, pp.557-561, 2005 (SCI-Expanded)

CLXXXVII. **Synthesis of novel palladium-carbene complexes as efficient catalysts for amination of aryl chlorides in ionic liquid**

Ozdemir I., DEMIR S., GOK Y., CETINKAYA E., CETINKAYA B.

JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL, vol.222, pp.97-102, 2004 (SCI-Expanded)

LXXXVIII. **In-situ generated functionalized benzimidazol-2-ylidene-palladium catalyst for Suzuki reaction**

Ozdemir I., Gok Y., Gurbuz N., Yasar S., CETINKAYA E., CETINKAYA B.

POLISH JOURNAL OF CHEMISTRY, vol.78, pp.2141-2147, 2004 (SCI-Expanded)

CLXXXIX. **Polyimides from a novel monomer 3,6-bis(dimethylamino) acridine(p-cymene)dichlororuthenium(II) for a catalytic application**

Seckin T., Koytepe S., Ozdemir I., Gurbuz N., CETINKAYA B.

JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.14, no.3, pp.177-190, 2004 (SCI-Expanded)

CCXC. **In situ generated palladium catalysts bearing 1,3-dialkylperimidin-2-ylidene ligands for Suzuki**

## reactions of aryl chlorides

Ozdemir I., Alici B., Gurbuz N., CETINKAYA E., CETINKAYA B.

JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL, vol.217, pp.37-40, 2004 (SCI-Expanded)

- CCXCI. **Palladium-catalyzed Suzuki-Miyaura reaction using saturated N-heterocarbene ligands**  
Ozdemir I., CETINKAYA B., Demir S., Gurbuz N.  
CATALYSIS LETTERS, vol.97, pp.37-40, 2004 (SCI-Expanded)
- CCXCII. **Synthesis of arylacetic acid derivatives from diethyl malonate using in situ formed palladium(1,3-dialkylimidazolidin-2-ylidene) catalysts**  
Ozdemir I., YIGIT M., CETINKAYA E., CETINKAYA B.  
TETRAHEDRON LETTERS, vol.45, no.30, pp.5823-5825, 2004 (SCI-Expanded)
- CCXCIII. **Surface modification of inorganic oxide particles with a carbene complex of palladium: A recyclable catalyst for the Suzuki reaction**  
Gurbuz N., Ozdemir I., Seckin T., CETINKAYA B.  
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.14, no.2, pp.149-159, 2004 (SCI-Expanded)
- CCXCIV. **Synthetic and antimicrobial studies on new gold(I) complexes of imidazolidin-2-ylidenes**  
Ozdemir I., DENIZCI A., OZTURK H., CETINKAYA B.  
APPLIED ORGANOMETALLIC CHEMISTRY, vol.18, no.7, pp.318-322, 2004 (SCI-Expanded)
- CCXCV. **Synthesis of novel rhodium-carbene complexes as efficient catalysts for addition of phenylboronic acid to aldehydes**  
Ozdemir I., DEMIR S., CETINKAYA B.  
JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL, vol.215, no.1-2, pp.45-48, 2004 (SCI-Expanded)
- CCXCVI. **Improved palladium-catalyzed coupling reactions of aryl halides using saturated N-heterocarbene ligands**  
Gurbuz N., Ozdemir I., Demir S., CETINKAYA B.  
JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL, vol.209, pp.23-28, 2004 (SCI-Expanded)
- CCXCVII. **Synthesis of novel 1-alkylimidazoline and 1-alkylbenzimidazole palladium(II) complexes as efficient catalysts for Heck and Suzuki reactions involving arylchlorides**  
Ozdemir I., CETINKAYA B., DEMIR S.  
JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL, vol.208, no.1-2, pp.109-114, 2004 (SCI-Expanded)
- CCXCVIII. **Access to 3-methyl-4-methylene-N-tosylpyrrolidine and 3,4-dimethyl-N-tosylpyrroline by ruthenium-catalyzed cascade cycloisomerization/isomerization reactions**  
Ozdemir I., CETINKAYA E., CETINKAYA B., CICEK M., SEMERIL D., BRUNEAU C., DIXNEUF P.  
EUROPEAN JOURNAL OF INORGANIC CHEMISTRY, no.2, pp.418-422, 2004 (SCI-Expanded)
- CCXCIX. **Synthesis and characterisation of N-functionalized enetetramines, and their properties**  
GOK Y., CETINKAYA E., Ozdemir I., CETINKAYA B., LAPPERT M.  
ACTA CHIMICA SLOVENICA, vol.51, no.3, pp.437-446, 2004 (SCI-Expanded)
- CCC. **Crystal structure of dichloro-N-(3,4,5-trimethoxy-benzyl)-N-(n-butyl)imidazolidin-2-ylideneruthenium(II), RuCl<sub>2</sub>(C<sub>17</sub>H<sub>26</sub>N<sub>2</sub>O<sub>3</sub>)**  
ARSLAN H., VANDERVEER D., Ozdemir I., CETINKAYA B., DEMIR S.  
ZEITSCHRIFT FUR KRISTALLOGRAPHIE-NEW CRYSTAL STRUCTURES, vol.219, no.4, pp.377-378, 2004 (SCI-Expanded)
- CCCI. **Palladium-catalyzed Suzuki reaction using 1,3-dialkylbenzimidazol-2-ylidene ligands in aqueous media**  
Ozdemir I., Gok Y., Gurbuz N., CETINKAYA E., CETINKAYA B.  
HETEROATOM CHEMISTRY, vol.15, no.6, pp.419-423, 2004 (SCI-Expanded)
- CCCII. **Crystal structure of dichlorido(N-(biphenyl-2-ylmethyl)-N-(2-ethoxy-ethyl)imidazolidin-2-ylidene(eta(6)-hexamethylbenzene)ruthenium, Ru(C<sub>12</sub>H<sub>18</sub>)(C<sub>20</sub>H<sub>24</sub>N<sub>2</sub>O)Cl<sub>2</sub>**  
ARSLAN H., VANDERVEER D., Ozdemir I., CETINKAYA B., YASAR S.  
ZEITSCHRIFT FUR KRISTALLOGRAPHIE-NEW CRYSTAL STRUCTURES, vol.219, no.1, pp.44-46, 2004 (SCI-Expanded)

- CCCIII. **Suzuki-Miyaura reaction of unactivated aryl chlorides using benzimidazol-2-ylidene ligands**  
Ozdemir I., Gok Y., Gurbuz N., CETINKAYA E., CETINKAYA B.  
SYNTHETIC COMMUNICATIONS, vol.34, no.22, pp.4135-4144, 2004 (SCI-Expanded)
- CCCIV. **Synthesis and catalytic properties of 1-alkyl-2-imidazolineruthenium(II) complexes**  
Ozdemir I., CETINKAYA B., Demir S., CETINKAYA E., Gurbuz N., CICEK M.  
APPLIED ORGANOMETALLIC CHEMISTRY, vol.18, no.1, pp.15-18, 2004 (SCI-Expanded)
- CCCV. **Novel type of metal-containing polyimides for the heck and Suzuki-Miyaura cross-coupling reactions as highly active catalysts**  
SECKIN T., KOYTEPE S., DEMIR S., Ozdemir I., CENTINKAYA B.  
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.13, no.4, pp.223-235, 2003 (SCI-Expanded)
- CCCVI. **Silica-supported 3-4,5-dihydroimidazol-1-yl-propyltriethoxysilanedichloropalladium(II) complex: Heck and Suzuki cross-coupling reactions**  
Gurbuz N., Ozdemir I., CETINKAYA B., Seckin T.  
APPLIED ORGANOMETALLIC CHEMISTRY, vol.17, no.10, pp.776-780, 2003 (SCI-Expanded)
- CCCVII. **eta(6)-mesityl,eta(1)-imidazolinylidene-carbene-ruthenium(II) complexes: Catalytic activity of their allenylidene derivatives in alkene metathesis and cycloisomerisation reactions**  
CETINKAYA B., DEMIR S., Ozdemir I., TOUPET L., SEMERIL D., BRUNEAU C., DIXNEUF P.  
CHEMISTRY-A EUROPEAN JOURNAL, vol.9, no.10, pp.2323-2330, 2003 (SCI-Expanded)
- CCCVIII. **Syntheses and properties of metal containing polyimides based on the gold carbene complex**  
SECKIN T., KOYTEPE S., Ozdemir I., CETINKAYA B.  
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.13, no.1, pp.9-20, 2003 (SCI-Expanded)
- CCCIX. **Synthesis and properties of novel polyimides from dichloro (1,3-p-dimethylaminobenzylimidazolidine-2-ylidene) p-cymene ruthenium (II)**  
SECKIN T., KOYTEPE S., CETINKAYA B., Ozdemir I., YIGIT B.  
DESIGNED MONOMERS AND POLYMERS, vol.6, no.2, pp.175-185, 2003 (SCI-Expanded)
- CCCX. **Synthesis and immobilization of N-heterocyclic carbene complexes of Ru(II): catalytic activity and recyclability for the furan formation**  
CETINKAYA B., GURBUZ N., SECKIN T., Ozdemir I.  
JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL, vol.184, pp.31-38, 2002 (SCI-Expanded)
- CCCXI. **Syntheses and catalytic properties of alternating copolymers of poly[4-maleimidopyridyl(p-cymene)dichloro Ru(II)] with gamma-methacryloxypropyl trimethoxysilane**  
Ozdemir I., CETINKAYA B., SECKIN T., KOYTEPE S.  
JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL, vol.179, pp.263-270, 2002 (SCI-Expanded)
- CCCXII. **Synthesis of a water-soluble carbene complex and its use as catalyst for the synthesis of 2,3-dimethylfuran**  
Ozdemir I., YIGIT B., CETINKAYA B., ULKU D., TAHIR M., ARICI C.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.633, pp.27-32, 2001 (SCI-Expanded)
- CCCXIII. **Hydrolysis, polycondensation, and catalytic properties of Ru(II) complex of 3-4,5-dihydroimidazol-1-ylpropyltriethoxysilane**  
SECKIN T., Ozdemir I., CETINKAYA B.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.80, no.8, pp.1329-1334, 2001 (SCI-Expanded)
- CCCXIV. **First ruthenium complexes with a chelating arene carbene ligand as catalytic precursors for alkene metathesis and cycloisomerisation**  
CETINKAYA B., DEMIR S., Ozdemir I., TOUPET L., SEMERIL D., BRUNEAU C., DIXNEUF P.  
NEW JOURNAL OF CHEMISTRY, vol.25, no.4, pp.519-521, 2001 (SCI-Expanded)
- CCCXV. **Catalytic double addition of diazo compounds to alkynes: Synthesis of functional conjugated dienes**  
LE PAIH J., DERIEN S., Ozdemir I., DIXNEUF P.  
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, vol.122, no.30, pp.7400-7401, 2000 (SCI-Expanded)
- CCCXVI. **Sol-gel synthesis of Ru(II) complex of 3-4,5-dihydroimidazol-1-yl-propyltriethoxysilane aerogels and**

## xerogels

SECKIN T., CETINKAYA B., Ozdemir I.

POLYMER BULLETIN, vol.44, no.1, pp.47-53, 2000 (SCI-Expanded)

CCCXVII. **Benzimidazole, benzothiazole and benzoxazole ruthenium(II) complexes; Catalytic synthesis of 2,3-dimethylfuran**

CETINKAYA B., Ozdemir I., BRUNEAU C., DIXNEUF P.

EUROPEAN JOURNAL OF INORGANIC CHEMISTRY, no.1, pp.29-32, 2000 (SCI-Expanded)

CCCXVIII. **Antibacterial and antifungal activities of complexes of ruthenium (II)**

CETINKAYA B., Ozdemir I., BINBASIOGLU B., DURMAZ R., GUNAL S.

ARZNEIMITTEL-FORSCHUNG-DRUG RESEARCH, vol.49, no.6, pp.538-540, 1999 (SCI-Expanded)

CCCXIX. **2-imidazoline and 1,4,5,6-tetrahydropyrimidine-ruthenium(II) complexes and catalytic synthesis of furan**

CETINKAYA B., Alici B., Ozdemir I., BRUNEAU C., DIXNEUF P.

JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.575, no.2, pp.187-192, 1999 (SCI-Expanded)

CCCXX. **Synthesis and catalytic properties of arene complexes of ruthenium(II) prepared from Si, Zr, Ti and Al alkoxides by the sol-gel process**

CETINKAYA B., Seckin T., Ozdemir I., Alici B.

JOURNAL OF MATERIALS CHEMISTRY, vol.8, no.8, pp.1835-1838, 1998 (SCI-Expanded)

CCCXXI. **Synthesis of cis- and trans-dichloro(dimethylphenylphosphine) x-(1-methyl-1,4,5,6-tetrahydropyrimidine)platinum(II) and their spectral and structural characterization**

CETINKAYA B., Ozdemir I., TAHIR M., ULKU D.

JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.561, pp.7-11, 1998 (SCI-Expanded)

CCCXXII. **Synthesis and characterization of N-substituted 1,4,5,6-tetrahydropyrimidine containing functional polymers as SO<sub>2</sub> and CO<sub>2</sub> sorbents**

Seckin T., Alici B., CETINKAYA E., Ozdemir I.

JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.35, no.12, pp.2411-2420, 1997 (SCI-Expanded)

CCCXXIII. **Synthesis and catalytic properties of N-functionalized carbene complexes of rhodium(I) and ruthenium(II)**

CETINKAYA B., Ozdemir I., DIXNEUF P.

JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.534, pp.153-158, 1997 (SCI-Expanded)

CCCXXIV. **Synthesis and characterisation of 1-alkyl-2-imidazoline complexes of noble metals; Crystal structure of trans[PtCl<sub>2</sub>{N=C(H)N(Et)CH<sub>2</sub>CH<sub>2</sub>}(PEt<sub>3</sub>)]**

CETINKAYA B., CETINKAYA E., HITCHCOCK P., LAPPERT M., Ozdemir I.

JOURNAL OF THE CHEMICAL SOCIETY-DALTON TRANSACTIONS, no.8, pp.1359-1362, 1997 (SCI-Expanded)

CCCXXV. **Ruthenium-carbene catalysts for the synthesis of 2,3-dimethylfuran**

CETINKAYA B., Ozdemir I., BRUNEAU C., DIXNEUF P.

JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL, vol.118, no.1, 1997 (SCI-Expanded)

CCCXXVI. **cis-1,1'-Dimethyl-3,3'-diphenyl-2,2'-biimidazolidinylidene**

ULKU D., TAHIR M., CETINKAYA B., Ozdemir I.

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, vol.53, pp.240-241, 1997 (SCI-Expanded)

CCCXXVII. **Synthesis and radical polymerization of novel vinyl monomers having the imidazoline and pyrimidine moiety**

SECKIN T., Alici R., CETINKAYA E., Ozdemir I.

POLYMER BULLETIN, vol.37, no.4, pp.443-450, 1996 (SCI-Expanded)

## Articles Published in Other Journals

### I. From Synthesis to Biological Impact of Ru (II) Complexes: Preparation, Characterization,

### **Antimicrobial, Antioxidant scavenging and Enzymatic inhibitory activities**

Amri N., Mukhrish Y. E., Gatri R., GÜRBÜZ N., ÖZDEMİR İ., Khaireddine D., Naceur H.  
EGYPTIAN JOURNAL OF CHEMISTRY, vol.66, no.5, pp.0-214, 2023 (ESCI)

### **II. Experimental and Quantum Mechanical Investigation of N-heterocyclic Carbene Palladium Complex: Synthesis and Antibacterial Activity**

Slimani I., Zouaghi M. O., Jebli N., Youssef A., ÖZDEMİR N., ÖZDEMİR İ., GÜRBÜZ N., Mansour L., Dridi K., Naceur H.  
BIOINTERFACE RESEARCH IN APPLIED CHEMISTRY, vol.12, no.6, pp.7804-7816, 2022 (ESCI)

### **III. Schiff Base and Its Fe(II), Zn(II), Ru(II), Pd(II) Complexes Containing ONS Donor Atoms: Synthesis, characterization and Catalytic Studies**

BULDURUN K., TURAN ÖZEK N., ÇOLAK N., ÖZDEMİR İ.

DEU Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.21, no.61, pp.73-82, 2019 (Peer-Reviewed Journal)

### **IV. Ruthenium(II) half-sandwich complexes containing N-substituted 5-nitrobenzimidazole: Synthesis, structures and catalytic transfer hydrogenation of ketones**

BULDURUN K., ÖZDEMİR İ.

DÜZCE ÜNİVERSİTESİ BİLİM VE TEKNOLOJİ DERGİSİ, vol.7, no.2, pp.63-72, 2019 (Peer-Reviewed Journal)

### **V. Yeni Molibden Karben Komplekslerinin Sentezi**

GÜRBÜZ N., ÖZDEMİR İ., Çetinkaya B.

Fırat Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.13, no.3, pp.399-404, 2010 (Peer-Reviewed Journal)

## **Books & Book Chapters**

### **I. Laboratory Applications: Polymers in**

DOĞAN ULU Ö., ÖZDEMİR İ.

in: Encyclopedia of Polymer Applications, 3 Volume Set, Munmaya Mishra, Editor, CRC Press, pp.1611-1628, 2018

## **Refereed Congress / Symposium Publications in Proceedings**

### **I. SYNTHESIS AND CHARACTERIZATION OF 1,3-DISUBSTITUED BENZIMIDAZOLIUM SALT AND ITS Ag AND Pd COMPLEXES**

DOĞAN ULU Ö., ÖZDEMİR İ.

3. International Anatolian Scientific Research Congress, Kayseri, Turkey, 27 December 2022

### **II. Gümüş Karben Komplekslerinin Antimikrobiyal Özellikleri**

Karci H., Dündar M., Özdemir İ., Gürbüz N., Koç A., Özdemir İ.

34. Ulusal Kimya Kongresi, Şanlıurfa, Turkey, 1 - 06 September 2022, pp.389

### **III. Ag-NHC COMPLEX WITH ANTIMICROBIAL POTENTIAL**

Karci H., Dündar M., Özdemir İ., Gürbüz N., Koç A., Özdemir İ.

INTERNATIONAL GOBEKLITEPE APPLIED SCIENCES CONGRESS-IV, Şanlıurfa, Turkey, 9 - 11 September 2022, pp.24-25

### **IV. N-Alkilbenzimidazol-Gümüş Komplekslerinin Biyolojik Özellikleri**

Arı E., Karci H., Dündar M., Özdemir İ., Şahin N., Koç A., Özdemir İ.

34. Ulusal Kimya Kongresi, Yalova, Turkey, 1 - 06 September 2022, pp.321

### **V. Yeni Ag-NHC Kompleksleri ve Özellikleri**

Evren E., Karci H., Dündar M., Özdemir İ., Gürbüz N., Koç A., Özdemir İ.

34. Ulusal Kimya Kongresi, Yalova, Turkey, 1 - 06 September 2022, pp.320

### **VI. ANTIMICROBIAL PROPERTIES OF BENZIMIDAZOLIUM SALTS**

Karci H., Dündar M., Özdemir İ., Gürbüz N., Koç A., Özdemir İ.

INTERNATIONAL GOBEKLITEPE APPLIED SCIENCES CONGRESS-IV, Şanlıurfa, Turkey, 9 - 11 September 2022, pp.26-27

### **VII. Fonksiyonel Benzimidazolyum Tuzları ve Biyolojik Özellikleri**

Karci H., Dündar M., Özdemir İ., Gürbüz N., Koç A., Özdemir İ.

34. Ulusal Kimya Kongresi, Yalova, Turkey, 1 - 06 September 2022, pp.388

VIII. **SYNTHESIS AND CHARACTERIZATION OF NOVEL BENZIMIDAZOLIUM SALTS**

DOĞAN ULU Ö., ÖZDEMİR İ.

INTERNATIONAL SYMPOSIUM ON CURRENT DEVELOPMENTS IN SCIENCE, TECHNOLOGY AND SOCIAL SCIENCES, Malatya, Turkey, 03 December 2021

IX. **EFFECT OF SILVER CARBEN COMPLEX ON VARIOUS miRNA EXPRESSION PROFILES ON A549 LUNG CANCER CELL LINE**

ŞAHİN Y., CANKARA F. N., ÇİFTÇİ O., DOĞAN M. F., SEÇME M., Evren E., GÜRBÜZ N., ÖZDEMİR İ.

26th National and 1st International Pharmacology Congress, Turkey, 4 - 06 November 2021, pp.295-296

X. **FONKSİYONEL BENZİMİDAZOLYUM TUZLARI VE BİYOLOJİK ÖZELLİKLERİ**

Karci H., Dündar M., Özdemir İ., Gürbüz N., Koç A., Özdemir İ.

VIII. Ulusal Anorganik Kimya Kongresi, Tekirdağ, Turkey, 2 - 05 September 2021, pp.104

XI. **ETİLASETAL FONKSİYONLU GÜMÜŞ KARBEN KOMPLEKSLERİN ANTİMİKROBİYAL ÖZELLİKLERİ KARAKTERİZASYONU**

Karci H., Dündar M., Özdemir İ., Gürbüz N., Koç A., Özdemir İ.

VIII. Ulusal Anorganik Kimya Kongresi, Tekirdağ, Turkey, 2 - 05 September 2021, pp.101

XII. **Iridium(I) complexes bearing hemilabile coumarin-functionalised N-heterocyclic carbene ligands with application as alkyne hydrosilylation catalysts**

KARATAŞ M. O., ALICI B., Passarelli V., ÖZDEMİR İ., Perez-Torrente J. J., Castarlenas R.

5th International Organic Chemistry Congress, Malatya, Turkey, 14 October 2021, pp.46

XIII. **Direct arylation of Heteroarenes via Palladium-PEPPSI-NHC type Complexes**

Karaca E. Ö., Evren E., Gürbüz N., Özdemir İ.

NCC-8 National Catalysis Congress, Ankara, Turkey, 9 - 12 September 2021, pp.94

XIV. **Antikanser Ajanlar Olarak Rh-N-Heterosiklik Karben Kompleksleri**

ÖZDEMİR İ., Sıman I., GÜRBÜZ N., YAŞAR S., ŞAHİN BÖLÜKBAŞI S., Naceur H.

VII. Ulusal Anorganik Kimya Kongresi Uluslararası Katılımlı, Çorum, Turkey, 19 - 22 June 2019

XV. **Antitümör Aktiviteye Sahip Ag-N-Heterosiklik Karben Kompleksleri**

YAŞAR S., Dehimat Z. I., KARACA E. Ö., GÜRBÜZ N., ŞAHİN BÖLÜKBAŞI S., Tebbani D., ÖZDEMİR İ.

VII. Ulusal Anorganik Kimya Kongresi Uluslararası Katılımlı, Çorum, Turkey, 19 - 22 June 2019

XVI. **Ag-N-Heterosiklik Karben Kompleksleri.**

GÜRBÜZ N., Sıman I., YAŞAR S., ŞAHİN BÖLÜKBAŞI S., ÖZDEMİR İ., Naceur H.

VII. Ulusal Anorganik Kimya Kongresi Uluslararası Katılımlı, Çorum, Turkey, 19 - 22 June 2019

XVII. **İmidazolidin-Ir Komplekslerinin Sentezi ve Özellikleri**

GÜRBÜZ N., Sıman I., KARACA E. Ö., YAŞAR S., ÖZDEMİR İ.

VII. Ulusal Anorganik Kimya Kongresi (Uluslararası Katılımlı), Çorum, Turkey, 19 - 21 June 2019

XVIII. **Tetrahidropirimidin-Rh Komplekslerinin Sentezi ve Özellikleri**

ÖZDEMİR İ., nawaz z., KARACA E. Ö., YAŞAR S., GÜRBÜZ N.

VII. Ulusal Anorganik Kimya Kongresi (Uluslararası Katılımlı), Çorum, Turkey, 19 - 21 June 2019

XIX. **İridyum N-Heterosiklik Karben Komplekslerinin Sentezi ve C-H Bağ Aktivasyon Reaksiyonlarındaki Aktivitesinin İncelenmesi**

YAŞAR S., KARACA E. Ö., GÜRBÜZ N., ÖZDEMİR İ.

VII. Ulusal Anorganik Kimya Kongresi (Uluslararası Katılımlı), Çorum, Turkey, 19 - 21 June 2019

XX. **Yeni Paladyum(II)-NHC Komplekslerinin Arilasyon Tepkimelerindeki Katalitik Aktivitesi**

ŞAHİN N., GÜRBÜZ N., KARABIYIK H., KARABIYIK H., ÖZDEMİR İ.

VII. Uluslararası Anorganik Kimya Kongresi, Çorum, Turkey, 19 - 22 June 2019, pp.60

XXI. **Antitümör Aktiviteye Sahip Rh-N-Heterosiklik Karben Kompleksleri.**

GÜRBÜZ N., ÖZDEMİR İ., Sıman I., ŞAHİN BÖLÜKBAŞI S., Naceur H.

7th Drug Chemistry Conference: Design, Synthesis, Production and Standardization of Drug Active Substances, Antalya, Turkey, 14 - 17 March 2019

XXII. **Ag-N-Heterosiklik Karben Kompleksleri ve Antikanser Aktiviteleri.**

ÖZDEMİR İ., Sımanlı I., GÜRBÜZ N., ŞAHİN BÖLÜKBAŞI S., Naceur H.

7th Drug Chemistry Conference: Design, Synthesis, Production and Standardization of Drug Active Substances, Antalya, Turkey, 14 - 17 March 2019

- XXIII. **Cell Cycle Arrest Properties and DAPI Staining of Benzimidazole/p-cymene Ruthenium Complexes to PC-3 Prostate Cancer Cells**  
ŞAHİN BÖLÜKBAŞI S., ŞAHİN N., ÖZDEMİR İ., Cummings B. S.  
6th International BAU Drug Design Congress, İstanbul, Turkey, 13 - 15 December 2018
- XXIV. **[Mn(CO)<sub>3</sub>(2,2-bipyridyl)(4-methoxybenzylbenzimidazole)]PF<sub>6</sub> Complex As A New CO-Releasing Molecules**  
TECİR T., ÜSTÜN E., DEMİR DÜŞÜNCELİ S., ÖZDEMİR İ.  
1. INTERNATIONAL TECHNOLOGICAL SCIENCES AND DESIGN SYMPOSIUM, 27 - 29 June 2018
- XXV. **N-Heterocyclic Carbene Complexes in Organic Synthesis**  
ÖZDEMİR İ.  
4. Organic Chemistry Congress, Antalya, Turkey, 4 - 07 October 2018
- XXVI. **Synthesis and characterization of new Rh-NHC complexes**  
GÜRBÜZ N., KARACA E. Ö., YAŞAR S., ÖZDEMİR İ.  
4. Organic Chemistry Congress, Antalya, Turkey, 4 - 07 October 2018
- XXVII. **N-Alkylation of Amines with Alcohols Using the Borrowing Hydrogen Process**  
YİĞİT B., YİĞİT M., KARACA E. Ö., GÜRBÜZ N., ÖZDEMİR İ.  
1st International Balkan Chemistry Congress, Edirne, Turkey, 17 - 20 September 2018
- XXVIII. **Synthesis of Silver(I) Complexes Bearing Imidazolidin-2-ylidene Ligands with Secondary Wing Tip Groups**  
YILMAZ I., YİĞİT B., YİĞİT M., ÖZDEMİR İ.  
1st International Balkan Chemistry Congress, Edirne, Turkey, 17 - 20 September 2018
- XXIX. **Synthesis and Biological Properties of Imidazolium Salts Bearing Secondary N-Alkyl Substituents**  
YILMAZ I., YİĞİT B., YİĞİT M., PARHAM T., ÖZDEMİR İ., GÜLÇİN İ.  
1st International Balkan Chemistry Congress, Edirne, Turkey, 17 - 20 September 2018
- XXX. **Aminlerin Alkilasyonu için Aktif p-Cymene-Rutenyum(II)-NHC Kompleksleri**  
KARACA E. Ö., YİĞİT B., YİĞİT M., GÜRBÜZ N., ÖZDEMİR İ.  
7. Ulusal Kataliz Kongresi, Denizli, Turkey, 9 - 12 September 2018
- XXXI. **ANTICANCER ACTIVITIES OF BENZIMIDAZOLE DERIVED RU/P-CYMENE COMPLEXES TO PC-3 PROSTATE CANCER CELLS**  
ŞAHİN BÖLÜKBAŞI S., ŞAHİN N., ÖZDEMİR İ., Cummings B. S.  
2th International Congress on New Trends in Science, Engineering and Technology, Roma, Italy, 4 - 06 September 2018
- XXXII. **SYNTHESIS AND ANTIPROLIFERATIVE ACTIVITIES OF NOVEL SILVER-(I) NHC COMPLEXES**  
ŞAHİN BÖLÜKBAŞI S., ŞAHİN N., GÜRBÜZ N., ÖZDEMİR İ., Çevik E., Cummings B. S.  
2th International Congress on New Trends in Science, Engineering and Technology, Roma, Italy, 4 - 06 September 2018
- XXXIII. **Anticancer Activities of Benzimidazole Derived Ru/p-Cymene Complexes To PC-3 Prostate Cancer Cells**  
ŞAHİN BÖLÜKBAŞI S., ŞAHİN N., ÖZDEMİR İ., Cummings B. S.  
II. International Congress on New Trends in Science, Engineering and Technology, Roma, Italy, 4 - 06 September 2018
- XXXIV. **Synthesis of Ruthenium(II) Complexes Bearing N-Heterocyclic Carbene Ligands with Secondary Alkyl Groups**  
YİĞİT B., YİĞİT M., YILMAZ I., ÖZDEMİR İ.  
1st International Balkan Chemistry Congress, Edirne, Turkey, 17 - 20 September 2018
- XXXV. **ANTICANCER ACTIVITIES OF NEW SILVER COMPLEXES ON DU-145 HUMAN PROSTATE CANCER CELLS**  
ŞAHİN BÖLÜKBAŞI S., ŞAHİN N., GÜRBÜZ N., ÖZDEMİR İ., Çevik E., Cummings B. S.  
12th International Symposium of Pharmaceutical Sciences, Ankara, Turkey, 26 - 29 June 2018



- XXXVI. **[Mn(CO)<sub>3</sub>](2,2-bipyridyl)(4-methoxybenzylbenzimidazole)]PF<sub>6</sub> complex as a new CO-releasing molecules**  
Tecir T., ÜSTÜN E., DEMİR DÜŞÜNCELİ S., ÖZDEMİR İ.  
1. International technological sciences and design symposium, ITESDES 2018, 27 - 29 June 2018
- XXXVII. **CYTOTOXIC ACTIVITIES OF NEW NHC COMPOUNDS ON MCF-7 AND MDAMB-231 HUMAN BREAST CANCER CELLS**  
ŞAHİN BÖLÜKBAŞI S., ŞAHİN N., GÜRBÜZ N., ÖZDEMİR İ., Çevik E., Cummings B. S.  
12th International Symposium of Pharmaceutical Sciences, Ankara, Turkey, 26 - 29 June 2018
- XXXVIII. **The Synthesis of Novel Benzimidazol-2-Ylidene Palladium Complexes and Investigation of Their Catalytic Activity in Aqueous Medium**  
DOĞAN ULU Ö., ÖZDEMİR İ.  
International Conference on Physical Chemistry and Functional Materials, Elazığ, Turkey, 19 - 21 June 2018
- XXXIX. **Yeni Gümüş Komplekslerinin Prostat Kanseri Üzerine Sitotoksik Aktiviteleri**  
ŞAHİN N., ŞAHİN BÖLÜKBAŞI S., GÜRBÜZ N., ÖZDEMİR İ., Çevik E., Cummings B. S.  
2. International Scientific Research Congress (UBAK), Mardin, Turkey, 9 - 13 May 2018
- XL. **Yeni NHC Komplekslerinin Meme Kanseri Üzerine Antikanser Aktiviteleri**  
ŞAHİN N., ŞAHİN BÖLÜKBAŞI S., GÜRBÜZ N., ÖZDEMİR İ., Çevik E., Cummings B. S.  
2. International Scientific Research Congress (UBAK), Mardin, Turkey, 9 - 13 May 2018
- XLI. **Cell Cycle Arrest Properties of Benzimidazole Derived Ru/HMB Complexes to PC-3 Prostate Cancer Cells**  
ŞAHİN N., ŞAHİN BÖLÜKBAŞI S., ÖZDEMİR İ., Cummings B. S.  
International Eurasian Conference on Biological and Chemical Sciences(EurasianBioChem 2018), Ankara, Turkey, 26 - 27 April 2018
- XLII. **Cytotoxicity of Benzimidazole Derived Ru/p-cymene Complexes to DU-145 Prostate Cancer Cells**  
ŞAHİN BÖLÜKBAŞI S., ŞAHİN N., ÖZDEMİR İ., Cummings B. S.  
Uluslararası Katılımlı 6. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, Antalya, Turkey, 22 - 25 March 2018
- XLIII. **Synthesis and Catalytic Properties of Schiff Base Containing Methyl 2-amino-5,5,7,7-tetramethyl-4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxylate and its Pd(II) and Ru(II) Complexes**  
TURAN N., BULDURUN K., ÇOLAK N., ÖZDEMİR İ.  
The International Conference on Applications in Chemistry and Chemical Engineering (ICACCHE), Saraybosna, Bosnia And Herzegovina, 11 - 15 October 2017, pp.59
- XLIV. **Cytotoxic activities of Ru-Benzimidazole Complexes to PC-3 Prostate Cancer Cells**  
ŞAHİN BÖLÜKBAŞI S., ŞAHİN N., ÖZDEMİR İ., CUMMINGS B. S.  
5th International BAU Drug Design Congress, 19 - 21 October 2017
- XLV. **Yeni Pd-NHC PEPPSI Komplekslerinin Sentezi, Karakterizasyonu ve C-C Eşleşme Reaksiyonlarındaki Aktiviteleri**  
DOĞAN Ö., ÖZDEMİR İ.  
29. ULUSAL KİMYA KONGRESİ, Ankara, Turkey, 10 - 14 September 2017
- XLVI. **Ruthenium catalysed C-H bond Activation**  
YAŞAR S., akkoç m., ÖZDEMİR İ.  
4th Anatolian School of Catalysis, 11 - 14 September 2017
- XLVII. **Ring -Expanded NHC-copper catalysed azide-alkyn cycloaddition reaction**  
YAŞAR S., akkoç m., imik f., ÖZDEMİR İ.  
4th Anatolian School of Catalysis, 11 - 14 September 2017
- XLVIII. **Pd-NHC catalysed Suzuki-Miyaura Cross-Coupling Reactions**  
YAŞAR S., fatma i., akkoç m., ÖZDEMİR İ.  
4th Anatolian School of Catalysis, 11 - 14 September 2017
- XLIX. **N-Heterocyclic Carbene Based Ruthenium-Catalyzed Direct Amination of Alcohol**  
ÖZDEMİR İ., Kaloğlu M., GÜRBÜZ N.  
8nd Symposium on AES Metal Mediated Efficient Organic Synthesis, İzmir, Turkey, 07 September 2017 - 10

September 2014, pp.79

- L. **N-Heterocyclic Carbene Based Ruthenium-Catalyzed Direct Amination of Alcohol**  
ÖZDEMİR İ., KALOĞLU M., GÜRBÜZ N.  
8nd Symposium on AES Metal Mediated Efficient Organic Synthesis, İzmir, Turkey, 07 September 2017 - 10 September 2014, pp.79
- LI. **Coupling reactions of arylhalides and phenylboronic acid catalyzed by PEPSI complexes**  
Boubakri L., YAŞAR S., ÖZDEMİR İ., Hamdi N.  
JCO 2017, 7 - 10 September 2017
- LII. **An efficient one-pot synthesis of triazoles by copper(I) catalyzed azide-alkyne cycloaddition (CuAAC) reaction under mild conditions in water:synthesis, characterization and biological activities**  
Touj N., ChakchoukMtibaa A., Mellouli L., ÖZDEMİR İ., YAŞAR S., Hamdi N.  
JCO 2017, 7 - 20 September 2017
- LIII. **Preparation and Catalytic Properties of Pd(II) and Ru(II) Complexes of Schiff Base Containing Thiophene Carboxylate**  
TURAN N., BULDURUN K., ÇOLAK N., ÖZDEMİR İ.  
IV. International Multidisciplinary Congress of Eurasia (IMCOFE), 23 - 28 August 2017, pp.423
- LIV. **YENİ Ag(I)-N-HETEROSİKLİK KARBEN KOMPLEKSLERİNİN SENTEZİ ve KARAKTERİZASYONU**  
DOĞAN Ö., GÜRBÜZ N., ÖZDEMİR İ.  
Uluslararası Katılımlı VI. Ulusal Anorganik Kimya Kongresi, Burdur, Turkey, 18 - 21 May 2017
- LV. **BENZİMİDAZOL ÇEKİRDEĞİ İÇEREN Pd-PEPSI KOMPLEKSLERİNİN SENTEZİ ve KARAKTERİZASYONU**  
DOĞAN Ö., GÜRBÜZ N., ÖZDEMİR İ.  
Uluslararası Katılımlı VI. Ulusal Anorganik Kimya Kongresi, Burdur, Turkey, 18 - 21 May 2017
- LVI. **Yeni Pd-PEPSI Komplekslerinin Sentezi ve Katalitik Uygulamaları**  
ŞAHİN N., ÖZDEMİR İ.  
VI. ULUSAL ANORGANİK KİMYA KONGRESİ, Burdur, Turkey, 18 - 21 May 2017
- LVII. **Ru-Nhc Katalizörlüğünde Aminlerin Alkilasyonu**  
CETINKAYA B., dehimat z. i., KARACA E. Ö., GÜRBÜZ N., ÖZDEMİR İ.  
VI. ULUSAL ANORGANİK KİMYA KONGRESİ, Burdur, Turkey, 18 - 21 May 2017, pp.152
- LVIII. **Synthesis, Characterization and Antimicrobial Activities of Ag(I)-N-Heterocyclic Carbene Complexes**  
Doğan Ulu Ö., ÖZDEMİR İ., GÜNAL S., GÜRBÜZ N., ÖZDEMİR İ.  
SANCO University Innovation in Medicine Summit-3, Gaziantep, Turkey, 11 - 13 May 2017, pp.54
- LIX. **Antitumor Properties of water-soluble Au-N-heterocyclic carbene complexes**  
Kızrak Ü., ÖZDEMİR İ., GÜRBÜZ N., KALOĞLU N., Başak Türkmen N., ÇİFTÇİ O., ÖZDEMİR İ.  
3 rd International Conventes of Pharmaceuticals and Pharmacies, İstanbul, Turkey, 26 - 29 April 2017, pp.890-891
- LX. **Synthesis and Antimicrobial Activity of Pt-N-Heterocyclic Carbene Complexes**  
KARACA E. Ö., ÖZDEMİR İ., GÜNAL S., GÜRBÜZ N., ÖZDEMİR İ.  
3. Uluslararası İlaç ve Eczacılık Kongresi, İstanbul, Turkey, 26 - 29 April 2017, pp.569
- LXI. **Synthesis and Antimicrobial Activity of Pt-N-Heterocyclic Carbene Complexes**  
KARACA E. Ö., ÖZDEMİR İ., GÜNAL S., GÜRBÜZ N., ÖZDEMİR İ.  
3 rd International Conventes of Pharmaceuticals and Pharmacies, İstanbul, Turkey, 26 - 29 April 2017
- LXII. **Synthesis of Palladium(II) N-Heterocyclic Carbene Complexes and Their Use as Catalysts for the Direct Arylation of Pyrrole Derivatives**  
YİĞİT B., YİĞİT M., GÜRBÜZ N., DAĞDEVİREN Z., ÖZDEMİR İ.  
2nd International Conference on Advances in Natural and Applied Sciences, 18 - 21 April 2017
- LXIII. **Synthesis of Silver(I) Complexes Bearing Perhydrobenzimidazol-2-ylidene Ligands**  
YİĞİT B., YİĞİT M., GÜRBÜZ N., DAĞDEVİREN Z., ÖZDEMİR İ.  
2nd International Conference on Advances in Natural and Applied Sciences, 18 - 21 April 2017
- LXIV. **New Benzyladamanthyl Substituted N-Heterocyclic Carbene-Pd(II)-PPh<sub>3</sub> Complex Catalyzed Sonogashira Coupling Reaction**  
Dehimat Z. I., Yaşar S., GÜRBÜZ N., Tebbani D., ÖZDEMİR İ.  
Third International Green Catalysis Symposium & Advanced Spring School on Green Chemiatry, Rennes, France, 23

March - 24 April 2017, pp.70

- LXV. **Metal-N-Heterocyclic Carbene Catalyzed C-C bond Formation**  
ÖZDEMİR İ.  
Third International Green Catalysis Symposium Advanced Spring School on Green Chemistry, Rennes, France, 23 - 24 March 2017
- LXVI. **Sonogashira Reaction of Aryl Halides with Terminal Alkynes Catalysed By New Palladium Triphenylphosphine Complexes**  
Touj N., Yaşar S., GÜRBÜZ N., Hamdi N., ÖZDEMİR İ.  
Third International Green Catalysis Symposium & Advanced Spring School on Green Chemistry, Rennes, France, 23 March - 24 April 2017, pp.73
- LXVII. **Suzuki-Miyaura Cross-Coupling Reactions Catalyzed by Sterically Bulky NHCPd(PEPPSI) Complexes in Water**  
Dehimat Z. I., Yaşar S., GÜRBÜZ N., Tebbani D., ÖZDEMİR İ.  
Third International Green Catalysis Symposium & Advanced Spring School on Green Chemistry, Rennes, France, 23 March - 24 April 2017, pp.74
- LXVIII. **Palladium N-Heterocyclic Carbene Complexes Catalysed Suzuki-Miyaura Cross-Coupling at Room Temperature in Green Solvents**  
Touj N., Yaşar S., GÜRBÜZ N., Hamdi N., ÖZDEMİR İ.  
Third International Green Catalysis Symposium & Advanced Spring School on Green Chemistry, Rennes, France, 23 March - 24 April 2017, pp.71
- LXIX. **New Benzyladamantyl Substituted N-Heterocyclic Carbene-Pd(II)-PPh<sub>3</sub> Complex Catalyzed Sonogashira Coupling Reaction**  
Dehimat Z. I., Yaşar S., GÜRBÜZ N., Tebbani D., ÖZDEMİR İ.  
Third International Green Catalysis Symposium & Advanced Spring School on Green Chemistry, Rennes, France, 23 March - 24 April 2017, pp.70
- LXX. **Sonogashira reactions of aryl halides with terminal alkynes catalysed by new palladium triphenylphosphine complexes**  
Touj N., YAŞAR S., GÜRBÜZ N., Hamdi N., ÖZDEMİR İ.  
International Green Catalysis Symposium 2017, 23 - 24 March 2017
- LXXI. **Synthesis of Palladium(II) N-Heterocyclic Carbene Complexes and Their Use as Catalysts for the Direct Arylation of Pyrrole Derivatives**  
Yiğit B., Yiğit M., GÜRBÜZ N., Dağdeviren Z., ÖZDEMİR İ.  
2nd International Conference On Advances in Natural And Applied Sciences, ICANAS 2017, Antalya, Turkey, 18 - 21 March 2017, pp.461
- LXXII. **Copper N heterocyclic carbene complex catalyzed click reaction for synthesis of triazoles**  
Touj N., YAŞAR S., ÖZDEMİR İ., Naceur H.  
TCC 2016, Tunisia, 19 - 22 December 2016
- LXXIII. **N Heterocyclic carbenes palladium complexes catalyzed Suzuki Miyaura and Sonogashira Cross Coupling Reactions catalyzed cross coupling reactions**  
Boubakri L., YAŞAR S., ÖZDEMİR İ., Naceur H.  
TCC 2016, 19 - 22 December 2016
- LXXIV. **Antitumor properties of water soluble Ag N heterocyclic carbene complexes**  
ÖZDEMİR İ., GÜRBÜZ N., KALOĞLU N., Kızrak Ü., ÇİFTÇİ O., ÖZDEMİR İ.  
4th International BAU Drug Design Congress, İstanbul, Turkey, 13 - 15 October 2016
- LXXV. **Antitumor Properties of water-soluble Ag-N-heterocyclic carbene complexes**  
ÖZDEMİR İ., GÜRBÜZ N., KALOĞLU N., Kızrak Ü., ÇİFTÇİ O., ÖZDEMİR İ.  
4th International BAU Drug Design Congress, İstanbul, Turkey, 13 - 15 October 2016, pp.67
- LXXVI. **Synthesis and antitumor activity of silver(I) complexes involving N-sodium sulfonate N-heterocyclic carbene ligands**  
GÜRBÜZ N., ÖZDEMİR İ., KALOĞLU N., ÇİFTÇİ O., ÖZDEMİR İ.  
4th International BAU Drug Design Congress, İstanbul, Turkey, 13 - 15 October 2016, pp.90

- LXXVII. **Antitumor properties of water soluble Ag N heterocyclic carbene complexes**  
 ÖZDEMİR İ., GÜRBÜZ N., KALOĞLU N., Kızrak ü., ÇİFTÇİ O., ÖZDEMİR İ.  
 4th International BAU Drug Design Congress, İstanbul, Turkey, 13 - 15 October 2016
- LXXVIII. **Antimicrobial Activity of Gold (I) N-Heterocyclic Carbene Complexes**  
 ÖZDEMİR İ., KARACA E. Ö., GÜRBÜZ N., ÖZDEMİR İ., GÜNAL S.  
 4th International BAU Drug Design Congress, İstanbul, Turkey, 13 - 15 October 2016, pp.71
- LXXIX. **Antimicrobial Activity of Gold (I) N-Heterocyclic Carbene Complexes**  
 ÖZDEMİR İ., KARACA E. Ö., GÜRBÜZ N., ÖZDEMİR İ., GÜNAL S.  
 4th International BAU Drug Design Congress, İstanbul, Turkey, 13 - 15 October 2016, pp.71
- LXXX. **Synthesis and antitumor activity of silver I complexes involving N sodium sulfonate N heterocyclic carbene ligands**  
 GÜRBÜZ N., ÖZDEMİR İ., KALOĞLU N., ÇİFTÇİ O., ÖZDEMİR İ.  
 4th International BAU Drug Design Congress, İstanbul, Turkey, 13 - 15 October 2016
- LXXXI. **Synthesis and antitumor activity of silver(I) complexes involving N-sodium sulfonate N-heterocyclic carbene ligands**  
 GÜRBÜZ N., ÖZDEMİR İ., KALOĞLU N., ÇİFTÇİ O., ÖZDEMİR İ.  
 4th International BAU Drug Design Congress, İstanbul, Turkey, 13 - 15 October 2016, pp.90
- LXXXII. **Antimicrobial Activity of Gold I N Heterocyclic Carbene Complexes**  
 ÖZDEMİR İ., KARACA E. Ö., GÜRBÜZ N., ÖZDEMİR İ., GÜNAL S.  
 4th International BAU Drug Design Congress, İstanbul, Turkey, 13 - 15 October 2016
- LXXXIII. **Synthesis of Rhodium I Complexes Bearing Coumarin Substituted N Heterocyclic carbene Ligands**  
 KARATAŞ M. O., Ricardo C., ALICI B., Ve P., Perez Torrente J., ÖZDEMİR İ., LA O.  
 XXXIV GEQO Congress Organometallic Chemistry Group, Girona, Spain, 7 - 09 September 2016
- LXXXIV. **SYNTHESIS OF POLYDENTATE CARBENE PRECURSORS AND PROPERTIES**  
 DOĞAN Ö., ÖZDEMİR İ.  
 28. ulusal kimya kongresi, Mersin, Turkey, 15 - 21 August 2016
- LXXXV. **Heterogenization of Homogenous NHC-Pd(II)-Pyridine Catalytic Systems via Radical polymerization: Catalytic Activities for Suzuki-Miyaura Coupling Reactions**  
 Boztepe C., ÖZDEMİR İ., Künkül A., GÜRBÜZ N.  
 46th IUPAC World Polymer Congress (MACRO 2016), İstanbul, Turkey, 17 - 21 July 2016
- LXXXVI. **Synthesis of Hydrogel Supported NHC Pd II Catalytic Systems and Suzuki Miyaura Coupling Reactions Kinetics**  
 BOZTEPE C., YAŞAR S., KÜNKÜL A., ÖZDEMİR İ.  
 46th IUPAC World Polymer Congress (MACRO 2016), 17 - 21 July 2016
- LXXXVII. **Alkylation Reaction Catalyzed by Ruthenium-N-Heterocyclic Carbene Complexes**  
 YAŞAR S., ÖZDEMİR İ., KARACA E. Ö.  
 42nd International Conference on Coordination Chemistry, Brest, France, 3 - 08 July 2016, pp.506
- LXXXVIII. **Synthesis and Catalytic Properties of Palladium-NHCPh<sub>3</sub>Complexes**  
 KARACA E. Ö., YAŞAR S., GÜRBÜZ N., ÖZDEMİR İ.  
 42nd International Conference on Coordination Chemistry, Brest, France, 3 - 08 July 2016, pp.502
- LXXXIX. **Synthesis and Catalytic Properties of Palladium-NHCPh<sub>3</sub>Complexes**  
 KARACA E. Ö., YAŞAR S., GÜRBÜZ N., ÖZDEMİR İ.  
 42nd International Conference on Coordination Chemistry, Brest, France, 3 - 08 July 2016, pp.502
- XC. **The New Ag-N-Heterocyclic Carbene Complexes Having Antitumor Potential**  
 GÜRBÜZ N., ÖZDEMİR İ., KALOĞLU N., ÇİFTÇİ O., ÖZDEMİR İ.  
 42nd International Conference on Coordination Chemistry, Brest, France, 3 - 08 July 2016, pp.442
- XCI. **Synthesis and Catalytic Properties of Palladium NHC PPh<sub>3</sub> Complexes International Conference on Coordination Chemistry**  
 KARACA E. Ö., YAŞAR S., GÜRBÜZ N., ÖZDEMİR İ.  
 International Conference on Coordination Chemistry, Brest, Belarus, 3 - 08 June 2016
- XCII. **The Coupling Reaction With ArylGrignard Reagents in the Presence of Iron NHC Catalyst**

- ÖZDEMİR İ., DEMİR DÜŞÜNCELİ S., GÜRBÜZ N.  
NCC6-The 6th Catalysis Conference, Bursa, Turkey, 27 - 30 April 2016
- XCIII. Catalytic applications and synthesis of Pd PEPPSIN Heterocyclic Carbene Complexes**  
KALOĞLU N., ÖZDEMİR İ., Doucet H., Bruneau C.  
NCC6 - The 6th Catalysis Conference, 27 - 30 April 2016
- XCIV. N alkylation reaction with functionalized ionic liquids**  
GÜRBÜZ N., KARACA E. Ö., YAŞAR S., ÖZDEMİR İ.  
NCC6-the 6th Catalysis Conference, Bursa, Turkey, 27 - 30 April 2016
- XCIV. Presence of Iron NHC Catalyst**  
ÖZDEMİR İ., DEMİR DÜŞÜNCELİ S., GÜRBÜZ N.  
NCC6 - The 6th Catalysis Conference, Bursa, Turkey, 27 April - 30 June 2016
- XCVI. Direct Arylation with Palladium-NHC Complexes**  
KARACA E. Ö., GÜRBÜZ N., YAŞAR S., ÖZDEMİR İ.  
NCC6-The 6th CATALYSIS CONFERENCE, Bursa, Turkey, 27 - 30 April 2016, pp.179
- XCVII. Palladium NHC Complex Catalyzed Cross Coupling Reactions**  
DEMİR DÜŞÜNCELİ S., Yaman R. Z., ÖZDEMİR İ.  
NCC6-The 6th Catalysis Conference, Bursa, Turkey, 27 - 30 April 2016
- XCVIII. Pd-PEPSI-Type N-Heterocyclic Carbene Complexes: Synthesis, Characterization and Catalytic Activity in The Direct Arylation Reactions**  
KALOĞLU M., ÖZDEMİR İ., DOUCET H., BRUNEAU C.  
6. Ulusal Kataliz Kongresi, Bursa, Turkey, 27 - 30 April 2016, pp.1
- XCIX. Synthesis and insitu catalytic application of 7-BER-NHC ligans on Suzuki reaction**  
YAŞAR S., KARACA E. Ö., GÜRBÜZ N., ÖZDEMİR İ.  
NCC6-The 6th CATALYSIS CONFERENCE, Bursa, Turkey, 27 - 30 April 2016, pp.152
- C. N-Alkylation Reaction with Functionalized Ionic Liquids**  
GÜRBÜZ N., KARACA E. Ö., YAŞAR S., ÖZDEMİR İ.  
NCC6-The 6th CATALYSIS CONFERENCE, Bursa, Turkey, 27 - 30 April 2016, pp.189
- CI. synthesis and insitu catalytic aplicacation of 7 BER NHC ligands on Suzuki reaction**  
YAŞAR S., KARACA E. Ö., GÜRBÜZ N., ÖZDEMİR İ.  
NCC6-the 6th Catalysis Conference, 27 - 30 April 2016
- CII. Synthesis and insitu catalytic application of 7-BER-NHC ligans on Suzuki reaction**  
YAŞAR S., KARACA E. Ö., GÜRBÜZ N., ÖZDEMİR İ.  
NCC6-The 6th CATALYSIS CONFERENCE, Bursa, Turkey, 27 - 30 April 2016, pp.152
- CIII. Özdemir direct arylation with palladium NHC complexes**  
KARACA E. Ö., GÜRBÜZ N., YAŞAR S., ÖZDEMİR İ.  
NCC6-the 6th Catalysis Conference, Bursa, Turkey, 27 - 30 April 2016
- CIV. Direct Arylation with Palladium-NHC Complexes**  
KARACA E. Ö., GÜRBÜZ N., YAŞAR S., ÖZDEMİR İ.  
NCC6-The 6th CATALYSIS CONFERENCE, Bursa, Turkey, 27 - 30 April 2016, pp.179
- CV. Synthesis Characterization and Catalytic Activityin The DirectArylation Reactions**  
KALOĞLU M., ÖZDEMİR İ., Doucet H., Bruneau C.  
NCC6 - The 6th Catalysis Conference, Bursa, Turkey, 27 - 30 April 2016
- CVI. N Substitutedbenzimidazole Ruthenium II Complexes andTheir Catalytic Activity**  
BULDURUN K., GÜRBÜZ N., ÖZDEMİR İ.  
NCC6 - The 6th Catalysis Conference, Bursa, Turkey, 27 - 30 April 2016
- CVII. Copper N heterocyclic carbene complex catalyzed click reaction for synthesis organic compounds**  
Touj N., YAŞAR S., Hamdi N., ÖZDEMİR İ.  
ACSOCII, Aydın, Turkey, 21 - 24 March 2016
- CVIII. Efficient synthesis of diaryl derivatives by palladium catalyzed cross coupling reactions**  
Boubakri L., YAŞAR S., Hamdi N., ÖZDEMİR İ.  
ACSOCII, 21 - 24 March 2016

- CIX. **Catalytic Application of N heterocyclic carben complexes**  
ÖZDEMİR İ.  
Multidisciplinary Conference, Al Ain, United Arab Emirates, 31 January - 04 February 2016
- CX. **HYDROGEL SUPPORTED NHC PD CATALYSTS SYSTEMS FOR THE SUZUKI REACTION**  
BOZTEPE C., KÜNKÜL A., ÖZDEMİR İ., GÜRBÜZ N.  
3RD INTERNATIONAL CHEMICAL ENGINEERING AND CHEMICAL TECHNOLOGIES CONFERENCE PROCEEDINGS,  
İstanbul, Turkey, 30 November - 01 December 2015, pp.170
- CXI. **THE CATALYTIC ACTIVITIES OF SOME NOVEL POLYMERIC NHC PD HYDROGEL SYSTEMS**  
BOZTEPE C., KÜNKÜL A., ÖZDEMİR İ., GÜRBÜZ N.  
3RD INTERNATIONAL CHEMICAL ENGINEERING AND CHEMICAL TECHNOLOGIES CONFERENCE PROCEEDINGS,  
İstanbul, Turkey, 30 November - 01 December 2015, pp.171
- CXII. **Yeni N-heterosiklik Tetrakiskarbon Öncüllerinin Sentezi ve Suzuki Eşleşme Tepkimesindeki Katalitik Aktiviteleri**  
DOĞAN ULU Ö., ÖZDEMİR İ., GÜRBÜZ N.  
5. Ulusal Anorganik Kimya Kongresi, Mersin, Turkey, 22 - 25 April 2015
- CXIII. **Ir NHC Katalizörlüğünde Ketonların Hidrojen Transfer Reaksiyonu**  
YAŞAR S., KARACA E. Ö., ÖZDEMİR İ.  
V. Ulusal Anorganik Kimya Kongresi, Turkey, 22 - 25 April 2015
- CXIV. **Genişlemiş Halkalı İridyum N Heterosiklik Karben Komplekslerin Sentezi ve Karakterizasyonu**  
YAŞAR S., KARACA E. Ö., GÜRBÜZ N., ÖZDEMİR İ.  
V. Ulusal Anorganik Kimya Kongresi, Turkey, 22 - 25 April 2015
- CXV. **Ru-NHC Catalyzed N and C-Aklylation of Pyrrolidine**  
Şahin Z., GÜRBÜZ N., ÖZDEMİR İ.  
8nd Symposium on AES Metal Mediated Efficient Organic Synthesis, İzmir, Turkey, 7 - 10 September 2014, pp.84
- CXVI. **N-Heterocyclic Carbene Based Ruthenium-Catalyzed Direct Amination of Alcohol**  
ÖZDEMİR İ., KALOĞLU M., GÜRBÜZ N.  
8th Asian-European Symposium on Metal-Mediated Efficient Organic Synthesis, İzmir, Turkey, 7 - 10 September 2014, pp.79
- CXVII. **New photoactivatable CO-releasing molecules of manganese with imidazoline/benzimidazole ligands**  
Ustun E., DEMİR S., ÖZDEMİR İ., SCHATZSCHNEIDER U.  
12th European Biological Inorganic Chemistry Conference (EuroBIC), Zürich, Switzerland, 24 - 28 August 2014, vol.19
- CXVIII. **Ruthenium Catalyzed Arylation of 2-Phenylpyridine**  
GÜRBÜZ N., KARACA E. Ö., ÖZDEMİR İ., BRUNEAU C., DIXNEUF P. H.  
2nd International Symposium on C-H Activation, Rennes, France, 30 June - 03 July 2014, pp.128
- CXIX. **N-Heterocyclic Carbene-Palladium Catalyzed Biaryl Coupling by Direct C-H Activation**  
Kaloğlu M., ÖZDEMİR İ., GÜRBÜZ N., Doucet H., Bruneau C., DIXNEUF P. H.  
2nd International Symposium on C-H Activation, Rennes, France, 30 June - 03 July 2014, pp.121
- CXX. **N and C-Aklylation of Pyrrolidine with Benzyl Alcohol by Ruthenium Carbene Complexes**  
Akkoç M., GÜRBÜZ N., ÖZDEMİR İ., Achard M., Bruneau C.  
2nd International Symposium on C-H Activation, Rennes, France, 30 June - 03 July 2014, pp.127
- CXXI. **Pd-Catalyzed C-H Arylation of Aromatic Compounds**  
KARACA E. Ö., GÜRBÜZ N., ÖZDEMİR İ., Doucet H., Bruneau C., Dixneuf P. H.  
2nd International Symposium on C-H Activation, Rennes, France, 30 June - 03 July 2014, pp.126
- CXXII. **N-Heterocyclic carbene-palladium Catalyzed Biaryl Coupling by Direct C-H Activation**  
KALOĞLU M., ÖZDEMİR İ., GÜRBÜZ N., DOUCET H., BRUNEAU C., DIXNEUF P. H.  
2nd International Symposium on C-H Activation, Rennes, France, 30 June - 03 July 2014, pp.1
- CXXIII. **Ruthenium Catalyzed Arylation of 2-Phenylpyridine**  
GÜRBÜZ N., KARACA E. Ö., ÖZDEMİR İ., BRUNEAU C., Dixneuf P. H.  
2nd International Symposium on C-H Activation, Rennes, France, 30 June - 03 July 2014, pp.128
- CXXIV. **Pd-Catalyzed C-H Arylation of Aromatic Compounds**

- KARACA E. Ö., GÜRBÜZ N., ÖZDEMİR İ., Doucet H., Bruneau C., Dixneuf P. H.  
2nd International Symposium on C-H Activation, Rennes, France, 30 June - 03 July 2014, pp.126
- CXXXV. **Pd/Azolyum Katalizli Suzuki ve Heck Eşleşme Tepkimesi**  
DOĞAN ULU Ö., ÖZDEMİR İ.  
5. Ulusal Kataliz Kongresi, Adana, Turkey, 23 - 26 April 2014
- CXXXVI. **Ru NHC Katalizörlüğünde Ketonların İndirgenmesi**  
KARACA E. Ö., GÜRBÜZ N., ÖZDEMİR İ.  
5. Ulusal Kataliz Kongresi, Adana, Turkey, 23 - 26 April 2014
- CXXXVII. **Heteroatom İçeren Aromatik Bileşiklerin Pd-NHC Katalizli Arilasyonu**  
KALOĞLU M., ÖZDEMİR İ., GÜRBÜZ N.  
5th National Catalysis Conference, Adana, Turkey, 23 - 26 April 2014, pp.92
- CXXXVIII. **Ru-NHC Catalyzed Alkylation of Pyrrolidine**  
DOĞAN ULU Ö., GÜRBÜZ N., DEMİR S., ÖZDEMİR İ., Achard M., Bruneau C., DIXNEUF P. H.  
Second International Green Catalysis Symposium, Rennes, France, 2 - 04 April 2014, pp.52
- CXXXIX. **N-Aklylation of Aniline with Benzyl Alcohol by Ruthenium Carbene Complexes**  
Şahin Z., GÜRBÜZ N., ÖZDEMİR İ.  
Second International Green Catalysis Symposium, Rennes, France, 2 - 04 April 2014, pp.51
- CXXX. **Palladium-catalyzed Suzuki reaction of aryl chlorides in aqueous media using carbene ligands**  
KALOĞLU N., KALOĞLU M., ÖZDEMİR İ.  
Second International Green Catalysis Symposium & Advanced School on Green Chemistry, Rennes, France, 2 - 04 April 2014, pp.53
- CXXXI. **yeni sentez gümüş rutenyum ve platin karben komplekslerinin beyin kanseri hücre hatlarında antikarsinojenik etki potansiyeli**  
BAŞAK TÜRKMEN N., Şahin Z., ÖZTANIR M. N., GÜRBÜZ N., ÇİFTÇİ O., ÖZDEMİR İ.  
IV.Ulusal veteriner farmakoloji ve toksikoloji Kongresi,Elazığ, 11-14 Eylül 2013, Turkey, 11 September 2013
- CXXXII. **Synthesis and Antimicrobial Activity of Novel Ag-N- Heterocyclic carbene Complexes**  
Şahin Z., GÜRBÜZ N., ÖZDEMİR İ., GÜNAL S., ÖZDEMİR İ.  
IUPAC 44th World Chemistry Congress, İstanbul, Turkey, 11 - 16 August 2013, pp.149
- CXXXIII. **Pd-NHC Complexes As a Catalyst For C-N Bond Formation**  
KALOĞLU M., ÖZDEMİR İ.  
44th World Chemistry Congress, İstanbul, Turkey, 11 - 16 August 2013
- CXXXIV. **Synthesis and Antimicrobial Activity of Novel Ag-N- Heterocyclic carbene Complexes**  
Şahin Z., GÜRBÜZ N., ÖZDEMİR İ., GÜNAL S., ÖZDEMİR İ.  
IUPAC 44th World Chemistry Congress, İstanbul, Turkey, 11 - 16 August 2013, pp.149
- CXXXV. **Transfer hydrogenation of ketones catalyzed by in situ generated iron NHC complexes**  
GÜRBÜZ N., KALOĞLU N., DEMİR S., ÖZDEMİR İ.  
Modern Trends in Organometallic Chemistry and Catalysis, Moscqw, Russia, 3 - 07 June 2013, pp.28
- CXXXVI. **Pd-NHC Katalizörlüğünde Suzuki Miyaura Tepkimesi**  
DOĞAN ULU Ö., ÖZDEMİR İ., Çetinkaya B.  
4. Ulusal Anorganik Kimya Kongresi, Tokat, Turkey, 30 May - 02 June 2013
- CXXXVII. **Palladyum Azolyum Katalizli Suzuki ve Heck Eşleşmesi**  
KARACA E. Ö., GÜRBÜZ N., ÖZDEMİR İ.  
IV. Ulusal Anorganik Kimya Kongresi, Tokat, Turkey, 30 May - 01 June 2013
- CXXXVIII. **Sübstitüye Benzimidazol Grubu İçeren Pd-NHC Komplekslerinin Sentezi**  
KALOĞLU M., ÖZDEMİR İ.  
IV. Ulusal Anorganik Kimya Kongresi, Tokat, Turkey, 30 May - 02 June 2013, pp.97
- CXXXIX. **Yeni Ru-NHC Komplekslerinin Sentezi**  
KALOĞLU M., ÖZDEMİR İ., GÜRBÜZ N.  
IV. Ulusal Anorganik Kimya Kongresi, Tokat, Turkey, 30 May - 02 June 2013, pp.96
- CXL. **Potential of palladium(II) and Silver(I) complexes as anti-cancer drugs on prostat cancer cell line**  
Çiftçi O., Başak N., KALOĞLU M., Şahin F., ÖZDEMİR İ.

5th International congress on nutrition and cancer, Elazığ, Turkey, 9 - 11 September 2012, pp.35

- CXLI. **Potential of novel palladium (II) and silver (I) complexes as anti-cancer drugs on prostate cancer cell line**  
ÇİFTÇİ O., BAŞAK TÜRKMEN N., KALOĞLU M., ŞAHİN F., ÖZDEMİR İ.  
5th International Congress on Nutrition and Cancer, 09 September 2012
- CXLII. **Palladium NHC Catalyzed Direct Arylation of Heteroaromatic Compounds**  
GÜRBÜZ N., KARACA E. Ö., ÖZDEMİR İ., ÇETINKAYA B., ŞAHİN O., BÜYÜKGÜNGÖR O.  
4th National Catalysis Conference, Turkey, 9 - 11 April 2012
- CXLIII. **Transfer Hydrogenation of Ketones by Ruthenium Complexes**  
KARACA E. Ö., GÜRBÜZ N., ÖZDEMİR İ., ÇETINKAYA B., ARSLAN H.  
International Green Catalysis Symposium, Rennes, France, 7 - 09 March 2012, pp.37
- CXLIV. **Rh-NHC Catalyzed Arylation of Aldehydes with Arylboronic Acids**  
DOĞAN ULU Ö., GÜRBÜZ N., ÖZDEMİR İ., Çetinkaya B.  
International Green Catalysis Symposium, Rennes, France, 7 - 09 March 2012, pp.38
- CXLV. **Rh-NHC Catalyzed Arylation of Aldehydes with Arylboronic Acids**  
DOĞAN ULU Ö., GÜRBÜZ N., ÖZDEMİR İ., Çetinkaya B.  
International Green Catalysis Symposium, Rennes, France, 7 - 09 March 2012, pp.38
- CXLVI. **Arylation of Heterocyclic Compounds by Palladium Carbene Complexes Rennes Fransa 2012**  
GÜRBÜZ N., DOĞAN ULU Ö., ÖZDEMİR İ., Çetinkaya B., Doucet H., Dixneuf P. H., Bruneau C.  
International Green Catalysis Symposium, 7 - 09 March 2012, pp.35
- CXLVII. **Ruthenium Carbene Catalyzed Direct C H Bond Arylation Rennes Fransa 2012**  
ÖZDEMİR İ., Akkoç M., GÜRBÜZ N., Çetinkaya B., Dixneuf P. H., Bruneau C.  
International Green Catalysis Symposium, 7 - 09 March 2012, pp.15
- CXLVIII. **Arylation of Heterocyclic Compounds by Palladium Carbene Complexes**  
GÜRBÜZ N., Doğan Ö., ÖZDEMİR İ., Çetinkaya B., Doucet H., DIXNEUF P. H., Bruneau C.  
International Green Catalysis Symposium, Rennes, France, 7 - 09 March 2012, pp.35
- CXLIX. **Ruthenium Carbene Catalyzed Direct C-H Bond Arylation**  
GÜRBÜZ N., ÖZDEMİR İ., Akoç M., Çetinkaya B., Dixneuf P. H., Bruneau C.  
International Green Catalysis Symposium, Rennes, France, 7 - 09 March 2012, pp.15
- CL. **Rh NHC Catalyzed Arylation of Aldehydes with Arylboronic Acids Rennes Fransa 2012**  
GÜRBÜZ N., DOĞAN ULU Ö., ÖZDEMİR İ., Çetinkaya B.  
International Green Catalysis Symposium, 7 - 09 March 2012, pp.38
- CLI. **Transfer Hydrogenation of Ketones by Ruthenium Complexes Rennes Fransa 2012**  
KARACA E. Ö., GÜRBÜZ N., ÖZDEMİR İ., Çetinkaya B.  
International Green Catalysis Symposium, 7 - 09 March 2012, pp.37
- CLII. **YENİ BENZİMİDAZOLYUM TUZLARININ SENTEZİ VE KATALİTİK UYGULAMALARI**  
KALOĞLU M., GÜRBÜZ N., ÖZDEMİR İ., Çetinkaya B.  
Uluslararası Katılımlı 25. Ulusal Kimya Kongresi, Erzurum, Turkey, 27 June - 02 July 2011
- CLIII. **Benzimidazolyum-Gümüş Karben Komplekslerinin Antimikrobiyal Özellikleri**  
DAYAN S., ÖZDEMİR İ., GÜNAL S., GÜRBÜZ N., ÖZDEMİR İ.  
25.Uluslararası katılımlı Ulusal Kimya Kongresi, 1 - 02 July 2011
- CLIV. **Yeni Benzimidazolyum Tuzlarının Sentezi ve Katalitik Uygulamaları**  
KALOĞLU M., GÜRBÜZ N., ÖZDEMİR İ., ÇETINKAYA B.  
25. Uluslar Arası Katılımlı Ulusal Kimya Kongresi, Erzurum, Turkey, 27 June - 02 July 2011
- CLV. **Pd-NHC Katalizli C-N Bağ Oluşumu**  
GÜRBÜZ N., KARACA E. Ö., ÖZDEMİR İ., ÇETINKAYA B., SAHİN O., BUYUKGUNGOR O.  
25. Uluslararası Katılımlı Ulusal Kimya Kongresi, Erzurum, Turkey, 27 June - 02 July 2011, pp.135
- CLVI. **Ru-NHC Komplekslerinin Sentezi ve Katalitik Özellikleri**  
DOĞAN ULU Ö., ÖZDEMİR İ., Çetinkaya B.  
3. Ulusal Anorganik Kimya Kongresi, Çanakkale, Turkey, 19 - 22 May 2011
- CLVII. **Ru NHC katalizörlüğünde ketonların indirgenmesi**



- KARACA E. Ö., GÜRBÜZ N., ÖZDEMİR İ., Çetinkaya B.  
III. Ulusal Anorganik Kimya Kongresi, Çanakkale, Turkey, 19 - 22 May 2011
- CLVIII. **Benzimidazolyum-Palladyum Karben Komplekslerinin Sentezi ve Karakterizasyonu**  
DAYAN S., GÜRBÜZ N., ÖZDEMİR İ., ÇETİNKAYA B.  
III. Ulusal Anorganik Kimya Kongresi, 19 - 22 May 2011
- CLIX. **Ru-NHCKomplekslerinin Sentezi ve Karakterizasyonu**  
DOĞAN ULU Ö., ÖZDEMİR İ., Çetinkaya B.  
Organometalik Kimya ve Kataliz Çalıştayı, Malatya, Turkey, 16 - 17 May 2010
- CLX. **1,3-Dioksan Sübstitüye Benzimidazol Ag(I)-NHC Komplekslerinin Sentezi ve Karakterizasyonu**  
DOĞAN ULU Ö., ÖZDEMİR İ., Çetinkaya B.  
Organometalik Kimya ve Kataliz Çalıştayı, Malatya, Turkey, 16 - 17 May 2010
- CLXI. **Benzimidazolyum Halojenür/Pd(OAc)<sub>2</sub> Katalizörlüğünde Heck Eşleşmesi**  
DAYAN S., GÜRBÜZ N., ÖZDEMİR İ., ÇETİNKAYA B.  
Organometalik Kimya ve Kataliz Çalıştayı, 16 May 2010
- CLXII. **İmidazolidin-Palladyum Karben Komplekslerinin Sentezi ve Karakterizasyonu**  
GÜRBÜZ N., KARACA E. Ö., ÖZDEMİR İ., CETINKAYA B.  
ORGANOMETALİK KİMYA VE KATALİZ ÇALIŞTAYI, Malatya, Turkey, 16 - 17 May 2010, pp.46
- CLXIII. **İmidazolidin-Palladyum Karben Komplekslerinin Sentezi ve Karakterizasyonu**  
GÜRBÜZ N., KARACA E. Ö., ÖZDEMİR İ., CETINKAYA B.  
ORGANOMETALİK KİMYA VE KATALİZ ÇALIŞTAYI, Malatya, Turkey, 16 - 17 May 2010, pp.46
- CLXIV. **Palladyum/Azolyum Katalizli Suzuki ve Heck Eşleşme Tepkimesi**  
KARACA E. Ö., YAŞAR S., GÜRBÜZ N., ÖZDEMİR İ., CETINKAYA B.  
ORGANOMETALİK KİMYA VE KATALİZ ÇALIŞTAYI, Malatya, Turkey, 16 - 17 May 2010, pp.24
- CLXV. **Palladyum/Azolyum Katalizli Suzuki ve Heck Eşleşme Tepkimesi**  
KARACA E. Ö., YAŞAR S., GÜRBÜZ N., ÖZDEMİR İ., CETINKAYA B.  
ORGANOMETALİK KİMYA VE KATALİZ ÇALIŞTAYI, Malatya, Turkey, 16 - 17 May 2010, pp.24
- CLXVI. **Aminofosfin / [RuCl<sub>2</sub>(p-simen)]<sub>2</sub> Katalizörlüğünde Transfer Hidrojenasyonu**  
Serin S., Begeç S., Kılıç A., Karaca E. Ö., Gürbüz N., Özdemir İ.  
ORGANOMETALİK KİMYA VE KATALİZ ÇALIŞTAYI, Malatya, Turkey, 16 - 17 May 2010, pp.72
- CLXVII. **Ru-NHC Katalizörlüğünde Ketonların Hidrojen Transfer Reaksiyonu**  
KARACA E. Ö., ÇETİNKAYA E., GÜRBÜZ N., ÖZDEMİR İ.  
ORGANOMETALİK KİMYA VE KATALİZ ÇALIŞTAYI, Malatya, Turkey, 16 - 17 May 2010, pp.23
- CLXVIII. **İmidazolidin-Palladyum Karben Komplekslerinin Sentezi ve Karakterizasyonu**  
GÜRBÜZ N., KARACA E. Ö., ÖZDEMİR İ., CETINKAYA B.  
ORGANOMETALİK KİMYA VE KATALİZ ÇALIŞTAYI, Malatya, Turkey, 16 - 17 May 2010, pp.46
- CLXIX. **Süstitüe Benzimidazolyum Tuzlarının Sentezi ve C-C Bağ Oluşumundaki Katalitik Aktivitelerinin İncelenmesi**  
KALOĞLU M., ÖZDEMİR İ., CETINKAYA B.  
Organometalik Kimya ve Kataliz Çalıştayı, Malatya, Turkey, 16 - 17 May 2010, pp.34
- CLXX. **Ru-NHC Katalizörlüğünde Ketonların Hidrojen Transfer Reaksiyonu**  
KARACA E. Ö., ÇETİNKAYA E., GÜRBÜZ N., ÖZDEMİR İ.  
ORGANOMETALİK KİMYA VE KATALİZ ÇALIŞTAYI, Malatya, Turkey, 16 - 17 May 2010, pp.23
- CLXXI. **Ru-NHC Katalizörlüğünde Ketonların Hidrojen Transfer Reaksiyonu**  
KARACA E. Ö., ÇETİNKAYA E., GÜRBÜZ N., ÖZDEMİR İ.  
ORGANOMETALİK KİMYA VE KATALİZ ÇALIŞTAYI, Malatya, Turkey, 16 - 17 May 2010, pp.23
- CLXXII. **Aminofosfin / [RuCl<sub>2</sub>(p-simen)]<sub>2</sub> Katalizörlüğünde Transfer Hidrojenasyonu**  
SERİN S., BEGEÇ S., KILIÇ A., KARACA E. Ö., GÜRBÜZ N., ÖZDEMİR İ.  
ORGANOMETALİK KİMYA VE KATALİZ ÇALIŞTAYI, Malatya, Turkey, 16 - 17 May 2010, pp.72
- CLXXIII. **Tetrasiyano Palladathı Komplekslerin Kataliz Özelliklerinin İncelenmesi**  
KARADAĞ A., ASLAN KORKMAZ Ş., ÖZDEMİR İ., GÜRBÜZ N., KORKMAZ N.  
23. Ulusal Kimya Kongresi, Sivas, Turkey, 16 - 20 June 2009

- CLXXIV. **Ag-NHC Komplekslerinin Senetzi ve Karakterizasyonu**  
DOĞAN ULU Ö., ÖZDEMİR İ., Çetinkaya B.  
23. Ulusal Kimya Kongresi, Sivas, Turkey, 16 - 20 June 2009
- CLXXV. **AZOLYUM/RU KATALİZÖRLÜĞÜNDE KETONLARIN İNDİRGENMESİ**  
GÜRBÜZ N., KARACA E. Ö., ÖZDEMİR İ., CETINKAYA B.  
23. ULUSAL KİMYA KONGRESİ, Sivas, Turkey, 16 - 20 June 2009, pp.475
- CLXXVI. **Pd-NHC Katalizli Suzuki Tepkimesi**  
DOĞAN ULU Ö., ÖZDEMİR İ., Çetinkaya B.  
2. Ulusal Anorganik Kimya Kongresi, Elazığ, Turkey, 16 - 19 May 2009
- CLXXVII. **Ru-NHC KATALİZÖRLÜĞÜNDE KETONLARIN HİDROJEN TRANSFER REAKSİYONU**  
KARACA E. Ö., GÜRBÜZ N., ÖZDEMİR İ., CETINKAYA B.  
II. ULUSAL ANORGANİK KİMYA KONGRESİ, Elazığ, Turkey, 16 - 19 May 2009, pp.98
- CLXXVIII. **TETRAHİDROPİRİMİDİN-PALLADYUM KARBEN KOMPLEKSLERİNİN SENTEZİ VE KARAKTERİZASYONU**  
GÜRBÜZ N., KARACA E. Ö., ÖZDEMİR İ., CETINKAYA B.  
II. ULUSAL ANORGANİK KİMYA KONGRESİ, Elazığ, Turkey, 16 - 19 May 2009, pp.213
- CLXXIX. **TETRAHİDROPİRİMİDİN-PALLADYUM KARBEN KOMPLEKSLERİNİN SENTEZİ VE KARAKTERİZASYONU**  
GÜRBÜZ N., KARACA E. Ö., ÖZDEMİR İ., CETINKAYA B.  
II. ULUSAL ANORGANİK KİMYA KONGRESİ, Elazığ, Turkey, 16 - 19 May 2009, pp.213
- CLXXX. **Sübstitüe Benzil Grubu İçeren NHC-Palladyum Kompleksleri**  
KALOĞLU M., ÖZDEMİR İ., CETINKAYA B.  
II. Ulusal Anorganik Kimya Kongresi, Elazığ, Turkey, 16 - 19 May 2009, pp.161
- CLXXXI. **POLİSİKLİK AROMATİK DİAMİNLERDEN TÜRETİLEN STERİK ENGELLİ TETRANTAT SALİSİLALDİMİNLERİN PALLADYUM(II) KOMPLEKSLERİNİN SENTEZİ, KARAKTERİZASYONU VE KATALİTİK ÖZELLİKLERİ**  
TAŞ E., DURGUN M., KILIÇ A., KILINÇ D., ÖZDEMİR İ., GÜRBÜZ N.  
XXII. Ulusal Kimya Kongresi KIBRIS, Gazimagusa, Cyprus (Kkct), 6 - 10 October 2008
- CLXXXII. **C-H Aktivasyonu ile Benotiyazolün Arilasyonu**  
DOĞAN ULU Ö., ÖZDEMİR İ., Çetinkaya B.  
22. Ulusal Kimya Kongresi, Mağusa, Cyprus (Kkct), 6 - 10 October 2008
- CLXXXIII. **Polisiklik Aromatik Diaminlerden Türetilen Sterik Engelli Tetradentat Salisilaldiminlerin Palladyum II Komplekslerinin Sentezi Karakterizasyonu ve Katalitik Özellikleri**  
TAŞ E., DURGUN M., KILIÇ A., KILINÇ D., ÖZDEMİR İ., GÜRBÜZ N.  
XXII. Ulusal Kimya Kongresi, MAGUSA, Cyprus (Kkct), 6 - 10 October 2008
- CLXXXIV. **Karben Katalizli Hidrojen Transferi ile Ketonların İndirgenmesi**  
YAŞAR S., KARACA E. Ö., GÜRBÜZ N., ÖZDEMİR İ., Çetinkaya B.  
XXII. Ulusal Kimya Kongresi, GAZI MAĞOSA, Cyprus (Kkct), 6 - 09 October 2008
- CLXXXV. **Palladyum Azolyum Katalizli Suzuki Eşleşmesi**  
KARACA E. Ö., GÜRBÜZ N., ÖZDEMİR İ., Çetinkaya B.  
XXII. Ulusal Kimya Kongresi, GAZI MAĞOSA, Cyprus (Kkct), 6 - 09 October 2008
- CLXXXVI. **KARBEN KATALİZLİ HİDROJEN TRANSFERİ İLE KETONLARIN İNDİRGENMESİ**  
YAŞAR S., KARACA E. Ö., GÜRBÜZ N., ÖZDEMİR İ., CETINKAYA B.  
XXII. ULUSAL KİMYA KONGRESİ, Mağosa, Cyprus (Kkct), 6 - 10 October 2008, pp.104
- CLXXXVII. **PALLADYUM/AZOLYUM KATALİZLİ SUZUKİ EŞLEŞMESİ**  
KARACA E. Ö., GÜRBÜZ N., ÖZDEMİR İ., CETINKAYA B.  
XXII. ULUSAL KİMYA KONGRESİ, Magosa, Cyprus (Kkct), 6 - 10 October 2008, pp.44
- CLXXXVIII. **Palladium Carbene Catalysts for Synthesis of Diaryl Ethers Rennes France 2008**  
Akkoç M., GÜRBÜZ N., Çetinkaya E., ÖZDEMİR İ.  
23rd International Conference on Organometallic Chemistry (ICOMC2008), 13 - 18 July 2008, pp.94
- CLXXXIX. **Palladium Carbene Catalysts for Synthesis of Diaryl Ethers**  
Akkoç M., GÜRBÜZ N., Çetinkaya E., ÖZDEMİR İ.  
23rd International Conference on Organometallic Chemistry (ICOMC2008), Rennes, France, 13 - 18 July 2008,

- CXC. **Smektit Destekli Rutenyum Poliimit Katalizörleri ve Hidrosilasyon Reaksiyonlarının Katalizlenmesi Isparta**  
KÖYTEPE S., SEÇKİN T., ÖZDEMİR İ., GÜRBÜZ N.  
XIII. Ulusal Kil Sempozyumu, Turkey, 12 - 14 September 2007, pp.449-459
- CXCI. **Palladyum Katalizli Eter Oluşumu**  
AKKOÇ M., GÜRBÜZ N., ÖZDEMİR İ., ÇETİNKAYA B.  
XXI. Ulusal Kimya Kongresi, Malatya, Turkey, 23 - 28 August 2007
- CXCII. **Palladyum Katalizli C-H Aktivasyonu**  
DOĞAN ULU Ö., ÖZDEMİR İ., Çetinkaya B.  
1. Ulusal Anorganik Kimya Günleri, Adana, Turkey, 20 - 23 April 2007
- CXCIII. **Palladium-catalyzed Suzuki reaction of aryl chlorides in aqueous media using tetrahydrodiazepinium salts as carbene ligands**  
ÖZDEMİR İ., GÜRBÜZ N., Gök Y., Çetinkaya E., Çetinkaya B.  
Recent Advances in Catalysis, Rennes, France, 11 - 15 September 2005, pp.119
- CXCIV. **Palladium catalyzed Suzuki reaction of aryl chlorides in aqueous media using tetrahydrodiazepinium salts as carbene ligands Rennes France RAC 2005**  
ÖZDEMİR İ., GÖK Y., GÜRBÜZ N., Çetinkaya E., Çetinkaya B.  
Recent Advances in Catalysis, 5 - 09 September 2005, pp.119
- CXCV. **New Ruthenium II and Rhodium Carbene Complexes Derived From Electron Rich Olefins İstanbul 1995**  
Çetinkaya B., Çetinkaya E., KÜÇÜKBAY H., ÖZDEMİR İ., GÜRBÜZ N.  
35 th IUPAC Congress, 14 - 19 August 1995, pp.1380
- CXCVI. **Synthesis of New Materials Bound Ru(II) Complex Bearing Viologen Segment**  
GÜRBÜZ N., Seçkin T., Çetinkaya B., ÖZDEMİR İ.  
Chemical Physics V, İstanbul, Turkey, 31 October - 01 November 2002
- CXCVII. **Synthesis of New Materials Bound Ru II Complex Bearing Viologen Segment İstanbul 2002**  
GÜRBÜZ N., SEÇKİN T., Çetinkaya B., ÖZDEMİR İ.  
Chemical Physics V, 31 October - 01 November 2002, pp.73
- CXCVIII. **Synthesis of 3,4,5-dihydroimidazole-1-yl-propyltriethoxysilane Bound Ru(II) Complex**  
SECKIN T., CETINKAYA B., ÖZDEMİR İ., GÜRBÜZ N.  
9th International Symposium on Macromoleculer-Metal Complexes MMC-9, Brooklyn, United States Of America, 19 - 23 August 2001, pp.45
- CXCIX. **Synthesis of 3 4 5 dihydroimidazole 1 yl propyltriethoxysilane Bound Ru II Complex New York 2001**  
SEÇKİN T., Çetinkaya B., ÖZDEMİR İ., GÜRBÜZ N.  
9th International Symposium on Macromoleculer-Metal Complexes MMC-9, 19 - 23 August 2001, pp.45
- CC. **New Ruthenium(II) and Rhodium Carbene Complexes, Derived From Electron-Rich Olefins**  
CETINKAYA B., CETINKAYA E., Küçükbay H., ÖZDEMİR İ., GÜRBÜZ N.  
35 th IUPAC Congress, İstanbul, Turkey, 14 August - 19 May 1995, vol.2, pp.1380

## Supported Projects

KALOĞLU M., ÖZDEMİR İ., Project Supported by Higher Education Institutions, N-Heterosiklik Karben Ligandı İçeren Palladyum Komplekslerinin Sentezi ve C-N Bağ Oluşum Tepkimelerindeki Katalitik Özelliklerinin İncelenmesi, 2022 - 2023

Özdemir İ., Buldurun K., Project Supported by Higher Education Institutions, Sübstitüe Gruplar İçeren Schiff Bazı Ligandları ve Metal Komplekslerinin Sentezi, Karakterizasyonu ve Katalitik Aktiviteleri, 2021 - 2023

Özdemir İ., Üstün E., Şahin N., Serdaroğlu G., TUBITAK Project, [Mn(Co)<sub>3</sub>(N-N)L]<sub>X</sub> Tipi Komplekslerin Co-Salınım Özelliklerinin Deneysel Ve In-Silico Analizi, 2021 - 2022

Özdemir İ., Koç A., TUBITAK Project, Ag-NHC Kompleksleri: Sentez, Karakterizasyon ve Antimikrobiyal Aktivite, 2021 - 2022

GÜRBÜZ N., ÖZDEMİR İ., BOZTEPE C., KARACA E. Ö., Project Supported by Higher Education Institutions, Pd-N-heterosiklik Karben Katalizli C-C Bağ oluşum Tepkimeleri, 2019 - 2022

YAŞAR S., ÖZDEMİR İ., GÜRBÜZ N., Project Supported by Higher Education Institutions, Organik Sentezde Palladyum Nheterosiklik Karben Kompleks Katalizli CH Bağ Aktivasyon Arilasyon Reaksiyonlarının İncelenmesi, 2019 - 2021

GÜRBÜZ N., YAŞAR S., ÖZDEMİR İ., Project Supported by Higher Education Institutions, Pd-N-Heterosiklik Karben Katalizli Arilasyon Tepkimeleri, 2019 - 2021

ÖZDEMİR İ., YAŞAR S., ÖZDEMİR İ., KARACA E. Ö., ŞAHİN BÖLÜKBAŞI S., ŞAHİN N., GÜRBÜZ N., Project Supported by Higher Education Institutions, Rh ve Ag N-heterosiklik Karben Kompleksleri Sentezi ve Antikanser Özelliklerinin İncelenmesi, 2018 - 2020

Karaca E. Ö., Özdemir İ., Yaşar S., Gürbüz N., TÜBİTAK Project, Yeni 9. Grup Metal N-Heterosiklik Karben Kompleksleriyle Katalitik C-H Bağ Arilasyonu, 2018 - 2020

Gürbüz N., Özdemir İ., Özdemir İ., TÜBİTAK International Bilateral Joint Cooperation Program Project, Suda Çözünebilen Antitümör Potansiyeye Sahip Yeni N Heterosiklik Karben Kompleksleri, 2015 - 2017

Özdemir İ., Buldurun K., Project Supported by Higher Education Institutions, Schiff Bazının Metal Kompleksleri: Hazırlama, Karakterizasyon ve Katalitik Aktiviteleri (MŞÜ15-FEF-G01), 2015 - 2016

Gürbüz N., Özdemir İ., KARACA E. Ö., TÜBİTAK Project, İnönü Üniversitesi nin Proje Kapasitesinin Artırılması, 2014 - 2016

Gürbüz N., Özdemir İ., Alıcı B., TÜBİTAK International Bilateral Joint Cooperation Program Project, Yeni Rutenyum ve Demir Karben Kompleksleri Sentez ve Katalitik Uygulamalar, 2014 - 2016

Gürbüz N., Özdemir İ., TÜBİTAK Project, Rutenyum Karben Katalizörlüğünde Aminlerin C ve N Alkilasyonu, 2013 - 2015

Gürbüz N., Özdemir İ., Demir Düşünceli S., TÜBİTAK International Bilateral Joint Cooperation Program Project, Yeni N Heterosiklik Karben Ligantları Taşıyan Demir Komplekslerinin Sentezi ve Katalitik Özellikleri, 2011 - 2013

Gürbüz N., Özdemir İ., Alıcı B., TÜBİTAK International Bilateral Joint Cooperation Program Project, N Heterocyclic Carbene Precursors NHC Metal Complexes And Their Applications in Catalysis, 2010 - 2012

Özdemir İ., TÜBİTAK Project, Yeni Gümüş Altın ve Platin N Heterosiklik Karben Komplekslerinin Sentezi ve Antimikrobiyal Aktivitelerinin Araştırılması, 2008 - 2010

Gürbüz N., Özdemir İ., Project Supported by Higher Education Institutions, Yeni Gümüş Altın ve Platin N Heterosiklik Karben Kompleksleri, 2008 - 2009

Gürbüz N., Özdemir İ., Project Supported by Higher Education Institutions, Mikrodalga Varlığında Metal Karben Katalizli C N ve C C Bağ Oluşumları, 2008 - 2009

Gürbüz N., Özdemir İ., TÜBİTAK International Bilateral Joint Cooperation Program Project, Formation of C C and C N Bond Catalyzed by N Heterocyclic Carbene Metal Complexes, 2007 - 2009

Gürbüz N., Özdemir İ., TÜBİTAK Project, N Heterosiklik Metal Karben Katalizli C N ve C C Bağ Oluşum Tepkimeleri, 2006 - 2008

Gürbüz N., Özdemir İ., TÜBİTAK Project, N Heterosiklik Karben Katalizli C H O H Bağ Aktivasyonu ile Biaril ve Aromatik Eter Sentezi, 2006 - 2008

Gürbüz N., Özdemir İ., Project Supported by Higher Education Institutions, Karben Katalizli C C veya C Heteroatom Bağ Oluşum Tepkimeleri, 2005 - 2007

Özdemir İ., Gürbüz N., Alıcı B., TÜBİTAK Project, Formation of C C and C N Bond Catalyzed by N Heterocyclic Carbene Metal Complexes, 2005 - 2007

Gürbüz N., Seçkin T., Özdemir İ., TÜBİTAK Project, Hibrit Poliimit Seramik Materyallerin Piridin Temelli Monomerlerden Sentezlenmesi, 2001 - 2004

Gürbüz N., Çetinkaya B., Özdemir İ., Project Supported by Other Official Institutions, Diamino Karben Komplekslerinin Katalitik Uygulamaları, 1998 - 2000

## Patent

Özdemir İ., Çiftçi O., Yeni gümüş(I) N-heterosiklik karben bileşikleri ve farmasötik bileşiklerde kullanımları, Patent, CHAPTER A Human Needs, The Invention Registration Number: TR2013 07235 B , Standard Registration, 2020

Özdemir İ., Çiftçi O., Doğan Ulu Ö., Başak Türkmen N., Yeni altın heterosiklik karben kompleksleri ve bunların farmas öik ajan olarak kullanımları, Patent, CHAPTER A Human Needs, The Invention Registration Number: TR2013 12998B ,

Standard Registration, 2018

## **Metrics**

Publication: 539

Citation (WoS): 6519

Citation (Scopus): 5238

H-Index (WoS): 40

H-Index (Scopus): 37

## **Awards**

Özdemir İ., TÜBİTAK 2005 yılı Genç Bilim Adamı Teşvik Ödülü, Tübitak, July 2005