

## Res. Asst. PhD LEMAN ALKAN

### Personal Information

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### Education Information

Doctorate, Ege Üniversitesi, Fen Fakültesi, Kimya Bölümü, Turkey 2004 - 2011

Post Graduate, Ege Üniversitesi, Fen Fakültesi, Kimya Bölümü, Turkey 2001 - 2004

Under Graduate, Ege Üniversitesi, Fen Fakültesi, Kimya Bölümü, Turkey 1996 - 2000

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Multifunctional chiral ligands. Synthesis and applications for asymmetric catalysis, Ege University, Fen Fakültesi, Kimya Bölümü, 2011

Post Graduate, Ionic Pt(II) complexes containing the bis(diphenylthiophosphinyl)methane, Ege University, Fen Fakültesi, Kimya Bölümü, 2004

### Research Areas

Chemistry, Catalysis, Organic Chemistry, Chemistry of Asymmetric Synthesis, Natural Sciences

### Academic Titles / Tasks

Research Assistant PhD, Ege Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2001 - Continues

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Palladium-catalysed reactions of conjugated enyne oxiranes with organoborons: A diastereoselective method of the synthesis of 2,4,5-trienol derivatives**  
Ziyanak F., Kus M., Alkan-Karadeniz L., Artok L.  
TETRAHEDRON, vol.74, pp.3652-3662, 2018 (Journal Indexed in SCI)
- II. **Carboxylate Ion dependency in the Cu(II) catalysed asymmetric Henry reaction: Structural characterisation of a tridentate Schiff Base complex containing a coordinated carboxylic acid**  
Akıncı A., Barut Celepci D., Alkan L., Korlmaz N., Aygün M., Astley S. T.  
Applied Organometallic Chemistry, vol.31, pp.3831, 2017 (Journal Indexed in SCI Expanded)

- III. **Catalyst functional group cooperativity in the amino acid-catalysed nitroaldol condensation reaction**  
Karadeniz L., Astley S. T.  
RESEARCH ON CHEMICAL INTERMEDIATES, vol.39, pp.3407-3415, 2013 (Journal Indexed in SCI)
- IV. **Co(III) catalysed asymmetric ring-opening of epichlorohydrin by salicylaldehyde derivatives: reversal of enantioselectivity and rate acceleration on addition of AlCl<sub>3</sub>**  
Karadeniz L., Koz G., Aydın K., Astley S. T.  
TURKISH JOURNAL OF CHEMISTRY, vol.34, pp.711-718, 2010 (Journal Indexed in SCI)
- V. **[Bis(diphenylphosphino)methane-kappa P-2,P '][bis(diphenylthiophosphinyl)methane-kappa S-2,S ']-platinum(II) bis(perchlorate) acetone solvate**  
ALKAN L., Irisli S.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.61, 2005 (Journal Indexed in SCI)
- VI. **Ionic Pt(II) complexes containing bis(diphenylthiophosphinyl)methane**  
Irisli S., ALKAN L.  
SYNTHESIS AND REACTIVITY IN INORGANIC AND METAL-ORGANIC CHEMISTRY, vol.34, pp.1817-1823, 2004 (Journal Indexed in SCI)

### Articles Published in Other Journals

- I. **Preparation Of A Chiral Cu(II)-Schiff Base Complex And Application For Asymmetric Catalysis**  
Alkan L., Astley S. T.  
Karaelmas Fen ve Mühendislik Dergisi, vol.8, pp.151-155, 2018 (Other Refereed National Journals)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Synthesis of Novel Piperazine Derivatives**  
ALKAN L., ASTLEY S. T.  
Erasmus International Academic Research Symposium, 5 - 06 April 2019
- II. **Copper(II)-Catalysed Asymmetric Henry (Nitroaldol) Reactions: Recent Developments**  
Alkan L., Astley S. T.  
ANCON 2017, Ankara, Turkey, 5 - 07 October 2017
- III. **Chiral Fluorescent Receptors: Synthesis and Recognition for Amino Acids**  
KARADENİZ L., YALÇIN U., AKSUNER N., ASTLEY S. T.  
Chemistry Conference for Young Scientists ChemCYS 2016, 16 - 18 March 2016
- IV. **ONO Tipi Üç Dişli Kiral Ligand İçeren Cu(II) Kompleksinin Sentezi ve Asimetrik Henry Tepkimesindeki Katalitik Aktivitesinin İncelenmesi**  
KARADENİZ L., ASTLEY S. T.  
XXVII. Ulusal Kimya Kongresi, Turkey, 23 - 28 August 2015
- V. **Ring-opening of Epichlorohydrin by 2,4-dihydroxybenzaldehyde And The Biological Activity of Product Schiff Base Derivatives**  
KARADENİZ L., ASTLEY S. T., YAŞA İ.  
3rd Pak-Turk Conference on Chemical Science, 13 - 15 September 2012
- VI. **Synthesis and Characterization of Multifunctional Chiral Schiff Base Derivatives**  
KARADENİZ L., ASTLEY S. T.  
15th International Electronic Conference on Synthetic Organic Chemistry, 1 - 30 November 2011
- VII. **NEW APPROACH FOR THE SYNTHESIS OF Fe<sub>3</sub>O<sub>4</sub> BASED NANOCUSTER STRUCTURES FOR MAGNETIC FLUID FORMATION**  
KÜÇÜKDERMENÇİ S., KARADENİZ L., MERMER Ö., AVGIN İ.  
7th NANOSCIENCE AND NANOTECHNOLOGY CONFERENCE, 27 June - 01 July 2011

- VIII. **Kiral Lewis-Asit Katalizli Diels Alder Tepkimeleri**  
KARADENİZ L., ASTLEY S. T.  
XXV.ULUSAL KİMYA KONGRESİ, Turkey, 27 June - 02 July 2011
- IX. **Tek Basamakta Gerçekleşen Henry Eliminasyon Tepkimeleri**  
KARADENİZ L., ASTLEY S. T.  
XXV.ULUSAL KİMYA KONGRESİ, Turkey, 27 June - 02 July 2011
- X. **Salisilaldehit Türevlerinin Epiklorohidrin ile Tepkimeleri**  
AYDIN K., KARADENİZ L., KOZ G., ASTLEY D., ASTLEY S. T.  
XXII.ULUSAL KİMYA KONGRESİ, Turkey, 6 - 10 October 2008
- XI. **Bis(Difenilfosfino)amin Disülfür Ligandlı İyonik Pd(II) Kompleksleri**  
YANAR S., KARADENİZ L., İRİŞLİ S.  
XX.ULUSAL KİMYA KONGRESİ, Turkey, 4 - 08 September 2006
- XII. **Organofosfin Sülfür Ligandlı Pt(II) Komplekslerinin Termal Davranışları**  
KARADENİZ L., DOĞAN F., İRİŞLİ S.  
XX. Ulusal Kimya Kongresi, Turkey, 4 - 08 September 2006
- XIII. **Bis(Difenilfosfino)amin Disülfür Ligandlı İyonik Pt(II) Kompleksleri**  
ALKAN L., İRİŞLİ S.  
XIX. Ulusal Kimya Kongresi, Turkey, 30 September - 04 October 2005
- XIV. **Organofosfin Sülfür Ligandlı Pt(II) Kompleksleri**  
ALKAN L., İRİŞLİ S.  
XVII. Ulusal Kimya Kongresi, Turkey, 8 - 11 September 2003

## Supported Projects

ALKAN L., Project Supported by Higher Education Institutions, PİPERAZİN İÇEREN YENİ C2- SİMETRİK KİRAL LİGANDLARIN SENTEZLENMESİ VE ASİMETRİK HENRY TEPKİMESİNDEKİ UYGULAMASI, 2018 - 2020

Alkan L., Project Supported by Higher Education Institutions, ONO Tipi Üç Dişli Ligand İçeren Kiral Kompleks Sentezi ve Asimetrik Sentezlerde Katalizör Olarak Kullanımı, 2015 - 2016

Alkan L., Astley S. T. , Project Supported by Higher Education Institutions, Yeni Suda Çözünebilir Ligandların ve Geçiş Metal Komplekslerinin Hazırlanması, 2007 - 2011

Alkan L., Astley S. T. , TUBITAK Project, Geçiş Metal Salen Komplekslerinin Terminal Epokitlerin Süstitüe Fenoller İle Halka Açılma Tepkimelerinde Kullanımı, 2007 - 2008

## Scientific Refereeing

Acta Chimica Slovenica, SCI Journal, May 2017

Acta Chimica Slovenica, SCI Journal, July 2016

International Journal of Chemistry and Material Science, Other Indexed Journal, May 2013

## Tasks In Event Organizations

Alkan L., Artok L., Symposium on Metal-Mediated Efficient Organic Synthesis, Scientific Congress, İzmir, Turkey, Eylül 2014

## Invited Congress and Symposium Activities

Erasmus International Academic Research Symposium/Synthesis of Novel Piperazine Derivatives, Attendee, İzmir, Turkey, 2019

International Congress on Chemistry and Materials Science/ Copper(II)-catalysed Asymmetric Henry (nitroaldol) Reactions: Recent Developments, Attendee, Ankara, Turkey, 2017

XXVII.Ulusal Kimya Kongresi/ ONO Tipi Üç Dişli Kiral Ligand İçeren Cu(II) Kompleksinin Sentezi ve Asimetrik Henry Tepkimesindeki Katalitik Aktivitesinin İncelenmesi, Attendee, Çanakkale, Turkey, 2016

Chemistry Conference for Young Scientists ChemCYS 2016/Chiral Fluorescent Receptors: Synthesis and Recognition for Amino Acids, Attendee, Bruges, Belgium, 2016

8th Asian-European Symposium on Metal-Mediated Efficient Organic Synthesis/ Palladium-catalyzed Arylation and Alkenylation of (Z)-2,4-Enyne Oxiranes with Organoborons Leading to Vinylallenols, Attendee, İzmir, Turkey, 2014

3rd Pak-Turk Conference on Chemical Science/ Ring-opening of Epichlorohydrin by 2,4-dihydroxybenzaldehyde And The Biological Activity of Product Schiff Base Derivatives, Attendee, Bursa, Turkey, 2012

7th Nanoscience and Nanotechnology Conference/ New Approach for The Synthesis of Fe<sub>3</sub>O<sub>4</sub> Based Nanocluster Structures for Magnetic Fluid Formation, Attendee, İstanbul, Turkey, 2011

XXV.Ulusal Kimya Kongresi/ Tek Basamakta Gerçekleşen Henry Eliminasyon Tepkimeleri, Attendee, Erzurum, Turkey, 2011

XXV.Ulusal Kimya Kongresi/ Kiral Lewis-Asit Katalizli Diels Alder Tepkimeleri, Attendee, Erzurum, Turkey, 2011

XXII.Ulusal Kimya Kongresi/ Salisilaldehit Türevlerinin Epiklorohidrin ile Tepkimeleri, Attendee, Gazimagusa, Cyprus (Kktc), 2008

XX.Ulusal Kimya Kongresi/ Organofosfin Sülfür Ligandlı Pt(II) Komplekslerinin Termal Davranışları, Attendee, Kayseri, Turkey, 2006

XX.Ulusal Kimya Kongresi/ Bis(Difenilfosfino)amin Disülfür Ligandlı İyonik Pd(II) Kompleksleri, Attendee, Kayseri, Turkey, 2006

XIX.Ulusal Kimya Kongresi/ Bis(Difenilfosfino)amin Disülfür Ligandlı İyonik Pt(II) Kompleksleri, Attendee, İzmir, Turkey, 2005

XVII.Ulusal Kimya Kongresi/ Organofosfin Sülfür Ligandlı Pt(II) Kompleksleri, Attendee, İstanbul, Turkey, 2003

## Citations

Total Citations (WOS):17

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