

Assoc. Prof. GÖKÇE MEREY

Personal Information

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Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Chemistry, Turkey 2004 - 2010

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Chemistry, Turkey 2002 - 2004

Undergraduate, Istanbul Technical University, Fen-Edebiyat, Kimya, Turkey 1998 - 2002

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Reactivity of Amide and Imine Compounds with Metallocarbene Intermediates, Istanbul Technical University, Fen Bilimleri Enstitüsü, Chemistry, 2010

Postgraduate, Reactions of α,β -Conjugated Carbonyl Compounds with Diazobiscarbonyl Compounds, Istanbul Technical University, Fen Bilimleri Enstitüsü, Chemistry, 2004

Research Areas

Biotechnology, Organic Chemistry, Chemistry of Natural Products, Chemistry of Heterocyclic Compounds, Organic Reaction Mechanisms, Organic Spectroscopy, Stereochemistry and Conformational Analysis, Natural Sciences

Academic Titles / Tasks

Associate Professor, Marmara University, Faculty Of Health Sciences, Basic Health Sciences, 2021 - Continues

Associate Professor, Hitit University, Faculty Of Engineering, Department Of Chemistry Engineering, 2017 - 2021

Researcher, Purdue University, Chemistry, 2018 - 2019

Assistant Professor, Hitit University, Faculty Of Engineering, Department Of Chemistry Engineering, 2012 - 2017

Researcher, University of Maryland, Chemistry and Biochemistry, 2011 - 2012

Research Assistant, Istanbul Technical University, Fen-Edebiyat, Kimya, 2003 - 2012

Researcher, Emory University, Chemistry, 2006 - 2007

Academic and Administrative Experience

Member of the Commission, Hitit University, Rectorate, 2019 - 2021

Erasmus Coordinator, Hitit University, Rectorate, 2013 - 2021

Member of the Commission, Hitit University, Institute Of Science, 2017 - 2020
Director of Vocational School, Hitit University, Academy Of Foreign Languages, 2017 - 2020
Member of the Senate, Hitit University, Rectorate, 2017 - 2020
Mevlana Exchange Program Coordinator, Hitit University, Rectorate, 2017 - 2020
Head of International Office, Hitit University, Rectorate, 2013 - 2020
Bologna Coordination Commission Member, Hitit University, Rectorate, 2013 - 2016

Advising Theses

Merey G., Anaç O., Atom-Economic Synthesis of Heterocycles with Carbonyl Function, Doctorate, H.Nur(Student), 2021
Merey G., Effect of Pelemir (Cephalaria Syriaca) Flour on Protein Composition of Bakery Products, Postgraduate, E.ÖNDER(Student), 2021
Merey G., Synthesis of Heterocyclic Compounds To Be Used in Medicine, Postgraduate, T.AYVAZ(Student), 2021
Merey G., Effective Parameters for the Synthesis of Heterocyclic Compounds, Postgraduate, N.Ece(Student), 2021
Merey G., Synthesis of Molecules Having Potential Anti-Biofilm Property via Diazo Reactions, Postgraduate, F.ÇİVELEK(Student), 2020
Merey G., Synthesis and Characterization of Heterocyclic Compounds via Carbene Transfer Reactions, Postgraduate, Ş.ŞAHİN(Student), 2019
Merey G., Investigation of Hardness, Microstructure and Corrosion Properties of Boron Coated St 50-2, AISI 1045 and C-22 Steels, Postgraduate, B.AKIN(Student), 2017
Merey G., Investigation of Diazocarbonyl Compounds for the Synthesis of Heterocyclic Compounds, Postgraduate, G.SEZEN(Student), 2015

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

- I. **CuCl/AgSbF₆ and Rh-2(OAc)₄ Comparison for the Synthesis of N-O Tethered Three and Five Membered Rings via Diazo Chemistry**
Merey G., Kubilay H. N. , Anac O.
CHEMISTRY LETTERS, vol.50, no.4, pp.668-671, 2021 (Journal Indexed in SCI)
- II. **Chemoselective Carbenoid Reactions of Furan/Thiophene/Pyrrole Ring Containing Carbonyl and Conjugated Carbonyl at Their 2-Positions**
Seyma Gungor F., Merey G., Anac O.
CHEMISTRYSELECT, vol.5, no.17, pp.5337-5340, 2020 (Journal Indexed in SCI)
- III. **Synthetic strategies towards the carbenoid reactions of alpha,beta-acetylenic carbonyls**
Kışkan F. Ş. , Ozguz E., Anac O., Tarakci N., Merey G.
TURKISH JOURNAL OF CHEMISTRY, vol.42, no.5, pp.1384-1397, 2018 (Journal Indexed in SCI)
- IV. **Atom-Economical Synthesis of Complex Heterocycles with N-O Moiety**
Merey G., Sezen G.
HELVETICA CHIMICA ACTA, vol.98, no.9, pp.1315-1324, 2015 (Journal Indexed in SCI)
- V. **N-O Tethered Carbenoid Cyclopropanation Facilitates the Synthesis of a Functionalized Cyclopropyl-Fused Pyrrolidine**
Kalia D., Merey G., Guo M., Sintim H. O.
JOURNAL OF ORGANIC CHEMISTRY, vol.78, no.12, pp.6131-6142, 2013 (Journal Indexed in SCI)
- VI. **Nucleotide, c-di-GMP, c-di-AMP, cGMP, cAMP, (p)ppGpp signaling in bacteria and implications in pathogenesis**
Kalia D., Merey G., Nakayama S., Zheng Y., Zhou J., Luo Y., Guo M., Roembke B. T. , Sintim H. O.
CHEMICAL SOCIETY REVIEWS, vol.42, no.1, pp.305-341, 2013 (Journal Indexed in SCI)
- VII. **The Reactions of α -Ylidene (Vinylidene, Benzylidene, Styrylmethylidene) Bis[carbonyls] with Copper Mono/Bis[carbonylcarbenoids]**

- Merey G., Kaya M., Anac O.
HELVETICA CHIMICA ACTA, vol.95, no.8, pp.1409-1424, 2012 (Journal Indexed in SCI)
- VIII. **Copper-Catalyzed Bis(methoxycarbonyl)carbene Reactions of alpha,beta-Unsaturated Carboxamides**
Merey G., Anac O.
HELVETICA CHIMICA ACTA, vol.94, no.6, pp.1053-1064, 2011 (Journal Indexed in SCI)
- IX. **The rhodium(II) carbenoid cyclization-cycloaddition cascade of alpha-diazo dihydroindolinones for the synthesis of novel azapolycyclic ring systems**
England D. B. , Eagan J. M. , Merey G., Anac M., Padwa A.
TETRAHEDRON, vol.64, no.6, pp.988-1001, 2008 (Journal Indexed in SCI)
- X. **Substitution and cyclization reactions involving the quasi-antiaromatic 2H-indol-2-one ring system**
England D. B. , Merey G., Padwa A.
ORGANIC LETTERS, vol.9, no.19, pp.3805-3807, 2007 (Journal Indexed in SCI)
- XI. **Utilization of the antiaromatic 2H-indol-2-one ring system for the synthesis of substituted spiro-oxindoles**
England D. B. , Merey G., Padwa A.
HETEROCYCLES, vol.74, pp.491-506, 2007 (Journal Indexed in SCI)
- XII. **Synthesis of highly functionalized gamma-lactones via 1,5-electrocyclic ring closure**
Anac O., Kışkan F. Ş. , Merey G.
HELVETICA CHIMICA ACTA, vol.89, no.6, pp.1231-1240, 2006 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **AN INTERNATIONAL ASPECT IN TURKISH HIGHER EDUCATION SYSTEM**
MEREY G., ALKAN R. M.
The Online Journal of Quality in Higher Education, vol.4, no.1, pp.9-20, 2017 (Refereed Journals of Other Institutions)
- II. **An Overview of International Education in Higher Education from a Macro Perspective**
MEREY G., ALKAN R. M.
The Online Journal of New Horizons in Education, vol.5, no.4, pp.37-40, 2015 (Refereed Journals of Other Institutions)
- III. **Internationalization As an Important Factor on University Industry Collaboration**
MEREY G., ALKAN R. M.
The Online Journal of New Horizons in Education, vol.5, no.2, pp.1-5, 2015 (Refereed Journals of Other Institutions)

Books & Book Chapters

- I. **Organic Chemistry Experiments and Techniques**
Çolak D., Ünlü C. H. , Kumbaracı I. V. , Kışkan F. Ş. , Kışkan B., Aydoğan A., Merey G., Ergüneş Işık D., Inceoğlu Ş., Gacal B., et al.
İTÜ İnşaat Fakültesi Matbaası, İstanbul, 2009

Refereed Congress / Symposium Publications in Proceedings

- I. **Interaction of Insoluble Silica Gel Derivatives with Signaling Nucleotide of Bacteria**
Türksoy S., Biçer M., Merey G.
5th International Conference on New Trends in Chemistry, Athens, Greece, 22 - 24 April 2019, pp.32
- II. **An Overview Of Internationalization Process In Higher Education Institutions**

MEREY G., ALKAN R. M.

International Conference on Quality in Higher Education 2016, Sakarya, Turkey, 24 - 25 November 2016

- III. **Protein Isolates of Grain Legumes Extraction Methods and Applications in Food and Other Industries**
Biçer M., MEREY G., TÜRKSOY S.
15th International Cereal and Bread Congress, İstanbul, Turkey, 18 - 21 April 2016
- IV. **Construction of Five Membered Heterocycles with N-O Moiety**
Merey G., Sezen G., Eraslan G.
16th Tetrahedron Symposium Asia Edition, Shanghai, China, 10 - 13 November 2015
- V. **Effect of Exchange Programs in Terms of Internationalization on University Industry Collaboration**
MEREY G., ALKAN R. M.
International Teacher Education (ITEC 2015), 2 - 04 September 2015
- VI. **Metal Catalyzed Carbene Reactions of Conjugated Amides**
MEREY G., ANAÇ O.
IUPAC 44th World Chemistry Congress, İstanbul, Turkey, 11 - 16 August 2013, pp.1493
- VII. **The Reactions of alfa Ylidene Biscarbonyls with Copper Carbonylcarbenoids**
MEREY G., ANAÇ O.
15th Tetrahedron Symposium, Londrina, Brazil, 24 - 27 June 2014, vol.1, pp.50
- VIII. **The rhodium II catalyzed reactions of diazo dihydroindolinones containing tethered alkenyl groups**
MEREY G., England D., ANAÇ O., Padwa A.
Zing Heavier Heterocycles and Heteroatom Chemistry Conference, Cancun, Mexico, 25 - 28 February 2008
- IX. **Preparation of unsaturated imines for the catalytic reactions with dimethyl diazomalonate**
Tarakçı N., MEREY G., KIŞKAN F. Ş. , ANAÇ O.
Zing Heavier Heterocycles and Heteroatom Chemistry Conference, Cancun, Mexico, 25 - 28 February 2008, pp.41
- X. **Synthesis of lactones with 1,5-electrocyclic ring closure reactions**
Merey G., Kişkan F. Ş. , Anaç O.
10. Ulusal Kimya Kongresi, Kayseri, Turkey, 4 - 08 September 2006

Supported Projects

Merey G., Project Supported by Higher Education Institutions, Investigation of the Reactivity of Conjugated Amides Towards Electron Acceptor Diazo Compounds, 2019 - 2021

Merey G., Kubilay H. N. , Anaç O., Project Supported by Higher Education Institutions, Atom-Economical Synthesis of Heterocycles with Carbonyl Function, 2017 - 2021

Merey G., Türksoy S., Project Supported by Higher Education Institutions, Synthesis of Molecules to Prevent Bacterial Biofilm Formation and Investigation of Their Anti-Biofilm Activities, 2017 - 2019

Merey G., Akın Gödek B., Project Supported by Higher Education Institutions, Investigation of Hardness, Microstructure and Corrosion Properties of Boron Coated St 50-2, AISI 1045 and C-22 Steels, 2014 - 2017

Merey G., Sezen G., Project Supported by Higher Education Institutions, Investigation of Diazocarbonyl Compounds for the Synthesis of Heterocyclic Compounds, 2014 - 2015

Merey G., Project Supported by Higher Education Institutions, Synthesis of Heterocyclic Compounds to Be Basic Building Blocks of Biologically Active Compounds by Catalytic Reactions of Functional Diazo Compounds, 2013 - 2015

Merey G., Aldaş Candan Ö., Kişkan F. Ş. , Anaç O., Project Supported by Higher Education Institutions, Effective Parameters in the Reactions Forming Heterocycles from Conjugated Carbonyl Ildes, 2009 - 2011

Merey G., Anaç O., Project Supported by Higher Education Institutions, Reactivities of Amides and Imines Towards Metallo-carbene Intermediates, 2007 - 2010

Merey G., Kişkan F. Ş. , Anaç O., Project Supported by Higher Education Institutions, Investigation of Pericyclic Methods for the Formation of Furan Originated Motifs in Biologically Active Compounds, 2004 - 2006

Merey G., Anaç O., Project Supported by Higher Education Institutions, Reactions of Alpha, Beta-Conjugated Carbonyl Compounds with Diazobiscarbonyl Compounds, 2003 - 2004

Activities in Scientific Journals

Current Organocatalysis, Committee Member, 2019 - Continues

Citations

Total Citations (WOS):350

h-index (WOS):6