

## Lect. PhD ONUR DEMİRKOL

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: D-7903-2018

Yoksis Researcher ID: 258647

### Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, Kimya, Turkey 2007 - 2013

Postgraduate, Niğde Üniversitesi, Fen Bilimleri Enstitüsü, Kimya, Turkey 2003 - 2006

Undergraduate, Pamukkale University, Fen Edebiyat Fakültesi, Kimya, Turkey 1999 - 2003

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Çözücüsüz Ortamda Mannich Bazlarının Tek-Kap Sentezi, Cukurova University, Fbe, Kimya, 2013

Postgraduate, Yedi Üyeli Gerilimli Simetrik Benzoanule Halkalı Allen Sentezi ve Yakalanması, Niğde Üniversitesi, Fbe, Kimya, 2006

### Research Areas

Chemistry, Organic Chemistry, Chemistry of Aromatic Compounds, Chemistry of Asymmetric Synthesis, Plant Chemistry, Chemistry of Heterocyclic Compounds, Organic Spectroscopy, Natural Sciences

### Academic Titles / Tasks

Expert, Cukurova University, Fen-Edebiyat Fakültesi, Kimya, 2016 - Continues

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

- Potential Protective Effects of Ruta Chalepensis L. Extracts Against Gentamicin-Induced Nephrotoxicity via Reduction on Apoptotic, DNA Damage and Oxidative Stress Markers in Mice**  
Yildirim M., ERŞATIR M., Degirmenci U., Yigin A., Unal M. B., Guldur M. E., DEMİRKOL O., Giray E. S.  
INTERNATIONAL JOURNAL OF ENVIRONMENTAL HEALTH RESEARCH, vol.33, no.12, pp.1533-1545, 2023 (SCI-

Expanded)

- II. **Comparison of the effects of green and sustainable extraction methods on the extraction yield and chemical composition of *Ruta chalepensis* roots**  
Demirkol O., Erşatır M., Vayisoğlu Giray E. S., Kırıcı S.  
SUSTAINABLE CHEMISTRY AND PHARMACY, vol.29, 2022 (SCI-Expanded)
- III. **Synthesis and investigation of anti-inflammatory and anticonvulsant activities of novel coumarin-diacylated hydrazide derivatives**  
Tapanyigit O., DEMİR KOL O., Guler E., ERŞATIR M., ÇAM M. E., Giray E. S.  
ARABIAN JOURNAL OF CHEMISTRY, vol.13, no.12, pp.9105-9117, 2020 (SCI-Expanded)
- IV. **Cross-aldol reaction of 3-acetyl-2H-chromen-2-one by using Amberlyst 26A as catalyst**  
Erşatır M., Akbaşlar D., Demirkol O., Giray E. S.  
SYNTHETIC COMMUNICATIONS, vol.47, pp.68-77, 2017 (SCI-Expanded)
- V. **Simple and efficient synthesis of N-alkyl and N-aryl succinimides in hot water**  
Bozdoğan B., ERŞATIR M., DEMİR KOL O., AKBAŞLAR D., Giray E. S.  
SYNTHETIC COMMUNICATIONS, vol.47, no.3, pp.217-223, 2017 (SCI-Expanded)
- VI. **Synthesis and application of phenylcarbomodithioate compound for steel protection**  
TANSUĞ G., KICIR N., DEMİR KOL O., Giray E. S., TÜKEN T.  
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.30, no.18, pp.1984-2000, 2016 (SCI-Expanded)
- VII. **Supercritical diethylether: A novel solvent for the synthesis of aryl-3,4,5,6,7,9-hexahydroxanthene-1,8-diones**  
ULUSAL H., FINDIKKIRAN G., DEMİR KOL O., AKBAŞLAR D., Giray E. S.  
JOURNAL OF SUPERCRITICAL FLUIDS, vol.105, pp.146-150, 2015 (SCI-Expanded)
- VIII. **A new corrosion inhibitor for copper protection**  
TANSUĞ G., TÜKEN T., Giray E. S., Findikkiran G., SİĞIRCIK G., DEMİR KOL O., ERBİL M.  
CORROSION SCIENCE, vol.84, pp.21-29, 2014 (SCI-Expanded)
- IX. **Paal-Knorr Pyrrole Synthesis in Water**  
AKBAŞLAR D., DEMİR KOL O., Giray S.  
SYNTHETIC COMMUNICATIONS, vol.44, no.9, pp.1323-1332, 2014 (SCI-Expanded)
- X. **One-Pot Synthesis of Mannich Bases Under Solvent-Free Conditions**  
DEMİR KOL O., AKBAŞLAR D., Giray S., ANIL B.  
SYNTHETIC COMMUNICATIONS, vol.44, no.9, pp.1279-1285, 2014 (SCI-Expanded)
- XI. **Clean and efficient synthesis of flavanone in sub-critical water**  
Sirin O. Z., DEMİR KOL O., AKBAŞLAR D., Giray E. S.  
JOURNAL OF SUPERCRITICAL FLUIDS, vol.81, pp.217-220, 2013 (SCI-Expanded)
- XII. **Incorporation of an allene unit into 1,4-dihydronaphthalene: generation of 1,2-benzo-1,4,5-cycloheptatriene and its dimerization**  
AZIZOĞLU A., Demirkol O., KILIC T., YILDIZ Y. K.  
TETRAHEDRON, vol.63, no.11, pp.2409-2413, 2007 (SCI-Expanded)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Extraction of Furanocoumarin and Coumarins by Subcritical Water Extraction from *Ruta chalepensis***  
DEMİR KOL O., ERŞATIR M., VAYISOĞLU GİRAY E. S., KIRICI S.  
8th International Drug Chemistry Conference, Antalya, Turkey, 27 February - 01 March 2020, pp.130-133
- II. **Yeni Kumarin Bileşiklerinin Sentezi ve Floresans Özelliklerinin İncelenmesi**  
ERŞATIR M., Tapanyığırt O., DEMİR KOL O., Çavdar L., VAYISOĞLU GİRAY E. S.  
7. International Drug Chemistry Conference, Antalya, Turkey, 14 - 17 March 2019, pp.285-289
- III. **Farmakolojik Açıdan Önemli 1,2,4-Triazol Grubu İçeren Schiff Bazlarının Sentezi**  
ERŞATIR M., DEMİR KOL O., GİRAY E. S.  
Uluslararası Katılımlı 6. İlaç Kimyası Kongres, Antalya, Turkey, 22 - 25 March 2018, pp.18

- IV. **Synthesis of  $\beta$ -enaminones** **$\beta$ -enamino ester using various organic acid catalysts**  
AKBAŞLAR D., ERŞATIR M., DEMİRKOL O., GİRAY E. S.  
IX International Conference in Chemistry, 4 - 09 June 2017, vol.1, pp.124
- V. **Synthesis of  $\beta$ -enaminones &  $\beta$ -enamino esters using various organic acid catalysts**  
AKBAŞLAR D., ERŞATIR M., DEMİRKOL O., VAYISOĞLU GİRAY E. S.  
IX International Conference in chemistry Kyiv-Toulouse (ICKT-9), Kiev, Ukraine, 4 - 09 June 2017, pp.124
- VI. **Etkin ve Temiz Bir Yöntemle N-Substitüe Süksinimid Türevlerinin Sentezi**  
ERŞATIR M., AKBAŞLAR D., DEMİRKOL O., Bozdoğan B., VAYISOĞLU GİRAY E. S.  
III. Ulusal Organik Kimya Kongresi, Trabzon, Turkey, 5 - 08 September 2016, pp.48
- VII. **Hidrazon Sentezine Yeni Bir Yaklaşım: Katalizör ve Çözücü Kullanmadan Çeşitli Hidrazon Bileşiklerinin Sentezi**  
DEMİRKOL O., Koca B., ERŞATIR M., AKBAŞLAR D., VAYISOĞLU GİRAY E. S.  
III. Ulusal Organik Kimya Kongresi, Trabzon, Turkey, 5 - 08 September 2016, pp.55
- VIII. **ULTRASOUND ACCELERATED CHALCONE SYNTHESIS USING AMBERLYST-26**  
DEMİRKOL O., AKBAŞLAR D., ERŞATIR M., VAYISOĞLU GİRAY E. S.  
19th European Symposium of Organic Chemistry, Lizbon, Portugal, 12 - 16 July 2015, pp.363
- IX. **LACTIC ACID AS AN EFFICIENT SOLVENT AND CATALYST FOR ONE-POT THREE-COMPONENT SYNTHESIS OF POLYSUBSTITUTED PYRROLES**  
AKBAŞLAR D., Erşatır M., DEMİRKOL O., VAYISOĞLU GİRAY E. S.  
19th European Symposium of Organic Chemistry, Lizbon, Portugal, 12 - 16 July 2015, pp.129
- X. **EFFICIENTLY SYNTHESIS OF COUMARIN-CHALCONE HYBRID COMPOUNDS**  
ERŞATIR M., AKBAŞLAR D., DEMİRKOL O., VAYISOĞLU GİRAY E. S.  
19th European Symposium of Organic Chemistry, Lizbon, Portugal, 12 - 16 July 2015, pp.95

## Metrics

Publication: 23

Citation (WoS): 141

Citation (Scopus): 154

H-Index (WoS): 5

H-Index (Scopus): 5