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International Researcher IDs

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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., DEMİRKOL 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., DEMİRKOL 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., DEMİRKOL 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., DEMİRKOL 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., DEMİRKOL O., ERBİL M.
CORROSION SCIENCE, vol.84, pp.21-29, 2014 (SCI-Expanded)
- IX. **Paal-Knorr Pyrrole Synthesis in Water**
AKBAŞLAR D., DEMİRKOL 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**
DEMİRKOL 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., DEMİRKOL 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**
AZIZOGLU A., Demirkol O., KILIC T., YILDIZ Y. K.
TETRAHEDRON, vol.63, no.11, pp.2409-2413, 2007 (SCI-Expanded)

Papers Published in Refereed Scientific Meetings

- I. **Extraction of Furanocoumarin and Coumarins by Subcritical Water Extraction from *Ruta chalepensis***
DEMİRKOL 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., DEMİRKOL O., Çavdar L., VAYISOĞLU GİRAY E. S.
7. International Drug Chemistry Conference, Antalya, Turkey, 14 - 17 March 2019, pp.285-289
- III. **Farmakolojik Açından Önemli 1,2,4-Triazol Grubu İçeren Schiff Bazlarının Sentezi**
ERŞATIR M., DEMİRKOL O., GİRAY E. S.
Uluslararası Katılımlı 6. İlaç Kimyası Kongres, Antalya, Turkey, 22 - 25 March 2018, pp.18

- IV. **Synthesis of β -enaminones** **β -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 β -enaminones & β -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

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