

Lect. PhD GÖNÜL SERDAR

Personal Information

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Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri, Kimya, Turkey 2010 - 2015

Post Graduate, Karadeniz Technical University, Fen Bilimleri, Kimya, Turkey 2008 - 2010

Under Graduate, Karadeniz Technical University, Fatih Eğitim Fakültesi, Kimya Eğitimi, Turkey 1998 - 2003

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Education Management and Planning, • TÜbitak, Fen Bilimlerinde Araştırma Projesi Hazırlama, KTÜ, 2014

Education Management and Planning, • Türk Patent Enstitüsü, KTÜ, 2012

Education Management and Planning, • Training in Metrology in Chemistry TrainMIC course, KTÜ, 2011

Education Management and Planning, • Ant Teknik Ultra Fast Likit Kromatografi- Kolonlar ve ileri Uygulama Teknikleri, KTÜ, 2010

Dissertations

Doctorate, YAŞ ÇAY VE SİYAH ÇAY ATIKLARINDAN MİKRODALGA YÖNTEMİ İLE KAFEİN VE KATEŞİNLERİN EKSTRAKSİYONU, Karadeniz Technical University, 2015

Post Graduate, Achillea biserrata VE Hyssopus officinalis TÜRLERİNİN ANTIÖKSİDAN AKTİVİTELERİ VE FENOLİK BİLEŞEN ANALİZLERİ, Karadeniz Technical University, 2010

Research Areas

Chemistry, Analytical Chemistry, Separation Methods, Chromatographic Analysis, Microwave Spectroscopy, Spectroscopical Methods, Natural Sciences

Academic Titles / Tasks

Lecturer PhD, Karadeniz Technical University, Eczacılık Fakültesi, Analitik Kimya, 2016 - Continues

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

- I. **Antioxidant Activity, Sugar Content and Phenolic Profiling of Blueberries Cultivars: A Comprehensive Comparison**
Okan O. T. , Deniz İ., Yaylı N., Şat İ. G. , Öz M., Hatipoğlu Serdar G.
NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ-NAPOCA, vol.46, pp.639-652, 2018 (Journal Indexed in SCI)
- II. **Microwave assisted production of silver nanoparticles using green tea extracts**
Sokmen M., Alomar S. Y. , Albay C., SERDAR G.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.725, pp.190-198, 2017 (Journal Indexed in SCI)
- III. **In vitro antimicrobial, antioxidant, and antiviral activities of the essential oil and various extracts from *Thymus nummularis* M. Bieb.**
Bektas E., Daferera D., Sokmen M., SERDAR G., ERTURK M., Polissiou M. G. , Sokmen A.
INDIAN JOURNAL OF TRADITIONAL KNOWLEDGE, vol.15, pp.403-410, 2016 (Journal Indexed in SCI)
- IV. **Biological Activities of Extracts and Essential Oil of *Thymus transcaucasicus* Ronniger**
BEKTAŞ E., SERDAR G., Sokmen M., Sokmen A.
JOURNAL OF ESSENTIAL OIL BEARING PLANTS, vol.19, pp.444-453, 2016 (Journal Indexed in SCI)
- V. **Automated and standard extraction of antioxidant phenolic compounds of *Hyssopus officinalis* L. ssp *angustifolius***
HATİPOĞLU G., Sokmen M., BEKTAS E., Daferera D., Sokmen A., DEMİR E., SAHİN H.
INDUSTRIAL CROPS AND PRODUCTS, vol.43, pp.427-433, 2013 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Sequential Green Extraction of Caffeine and Catechins from Green Tea**
SERDAR G., AYTAÇ E., SÖKMEN M.
International Journal of Secondary Metabolite, vol.6, pp.283-291, 2019 (International Refereed University Journal)
- II. **Comparison of Quorum Sensing Inhibition and Antimicrobial Properties of Some Commercial and Wild Mushrooms Extracted with Supercritical CO₂**
YILDIZ S., GÜRGEN A., TABBOUCHE S., SERDAR G., SÖKMEN M., KILIÇ A. O.
Celal Bayar University Journal of Science, vol.15, pp.193-198, 2019 (International Refereed University Journal)
- III. **Biosynthesis and Characterization of Silver Nanoparticles from the Lemon Leaves Extract**
SERDAR G., ALBAY C., Sökmen M.
Cumhuriyet Science Journal Faculty of Science, vol.40, pp.170-172, 2019 (International Refereed University Journal)
- IV. **Recycling of Tea Waste: Simple and Effective Separation of Caffeine and Catechins by Microwave Assisted Extraction (MAE)**
SERDAR G., Demir E., Sökmen M.
International Journal of Secondary Metabolite, vol.4, pp.78-89, 2017 (Refereed Journals of Other Institutions)
- V. **Comparison of Some Extraction Methods for Isolation of Catechins and Caffeine from Turkish Green Tea**
Demir E., SERDAR G., Sökmen M.
International Journal of Secondary Metabolite, vol.2, pp.16-25, 2016 (Refereed Journals of Other Institutions)
- VI. **New approaches for effective microwave assisted extraction of caffeine and catechins from green tea**
SERDAR G., Demir E., Bayrak S., Sökmen M.
International Journal of Secondary Metabolite, vol.3, pp.3-13, 2016 (Refereed Journals of Other Institutions)
- VII. **Extraction of antioxidative principles of *Achillea biserrata* M. Bieb. and chromatographic analyses**
SERDAR G., BEKTAS E., Sökmen M., Sökmen A., Demir E.
International Journal of Secondary Metabolite, vol.2, pp.3-15, 2015 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **Achillea biserrata ve Hyssopus officinalis Özütlerinin HPLC, GC/MS Analizleri ve Fenolik Bileşen İçerikleri**
SERDAR G.
11. Ulusal Kromatografi Kongresi,, Diyarbakır, Turkey, pp.72
- II. **Diopyros kaki L. (Trabzon Hurması) Yaprak Ekstresi Kullanarak Ag Nanopartikülün Sentez ve Karakterizasyonu**
SERDAR G., ALBAY C., Sökmen M.
9. Ulusal Analitik Kimya Kongresi, Konya, Turkey, 19 - 23 September 2018, pp.69
- III. **Comparison of Quorum Sensing Inhibition and Antimicrobial Properties of Some Commercial and Wild Mushrooms Extracted with Supercritical CO₂**
YILDIZ S., GÜRGEN A., TABBOUCHE S., SERDAR G., Sökmen M., KILIÇ A. O.
1. INTERNATIONAL TECHNOLOGICAL SCIENCES AND DESIGN SYMPOSIUM, Giresun, Turkey, 27 - 29 June 2018, pp.610
- IV. **Comparison of Quorum Sensing Inhibition and Antimicrobial Properties of Some Commercial and Wild Mushrooms Extracted with Supercritical CO₂**
YILDIZ S., GÜRGEN A., TABBOUCHE S., SERDAR G., Sökmen M., KILIÇ A. O.
1. INTERNATIONAL TECHNOLOGICAL SCIENCES AND DESIGN SYMPOSIUM, Giresun, Turkey, 27 - 29 June 2018, pp.610
- V. **Biosynthesis and Characterization of Silver Nanopartiles from the Lemon Leaves Extract**
SERDAR G., ALBAY C., SÖKMEN M.
EsAn 2018 Uluslararası Eser Analiz Kongresi, Sivas, Turkey, 20 - 23 June 2018, pp.170-172
- VI. **Synthesis and Characterization of Silver Nanoparticles Using Green Tea**
SERDAR G., ALBAY C., Sökmen M.
1 st International Congress on Medicinal and Aromatic Plants, Konya, Turkey, 9 - 12 May 2017, pp.1125
- VII. **Microwave Assisted Extraction of Green Tea**
SÖKMEN M., DEMİR E., HATİPOĞLU SERDAR G., SERDAR G.
6th Black Sea basin Conference on Analytical Chemistry, Trabzon, Turkey, 10 - 14 September 2013, pp.10
- VIII. **'Colchicum autumnale L. Tohumundan Kolşisinin İzolasyonu ve Saflaştırılması'**
BAYRAK S., DEMİR E., SÖKMEN M., SERDAR G., KOÇ M.
Kromatografi Kongresi, Bursa, Turkey, 16 - 21 June 2013, pp.10
- IX. **'Macro-Size Isolation of Catechins and Other Products from Green Tea and Chromatographic Analyzes'**,
SERDAR G., Sökmen M., Demir E., SERDAR P. B.
8th Aegean Analytical Chemistry Days conference from September, İzmir, Turkey, 16 - 20 September 2012, pp.19
- X. **Yeşil çaydan kateşinlerle diğer ürünlerin makro boyutta izolasyonu ve kromatografik yöntemlerle analizleri'**
Demir E., SERDAR G., Sökmen M.
VI. Ulusal Analitik Kimya Kongresi, Hatay, Turkey, 3 - 07 September 2012, pp.117
- XI. **Yeşil Çaydan Mikrodalga Ekstraksiyonu İle Kateşin ve Kafeinin İzolasyonu**
SERDAR B., SERDAR G., SÖKMEN M., DEMİR E., KOÇ M.
VI. Ulusal Analitik Kimya Kongresi, Hatay, Turkey, 3 - 07 September 2012, pp.161
- XII. **Bazı Verbascum Türlerinden Biyoaktif Bileşiklerin İzolasyonu ve Fenolik Bileşen İçerikleri'**
Demir E., KAR F., SERDAR G., Sökmen M., FATMA ZERRİN S., ŞAHİN H.
Kromatografi 2011, Kongre bildiri özetleri kitapçığı, Diyarbakır, Turkey, 7 - 10 September 2011, pp.71
- XIII. **Antioxidant Activities, GS / MS Analysis and Phenolic Profiles of Achillea biserrata and Hysopus officinalis Extracts'**,
SERDAR G., Demir E., Sökmen M., Sökmen A., Şahin H.
International Workshop on Antioxidant Capacity/Activity Assay Methods, İstanbul, Turkey, 21 April 2010, pp.28

Scientific Refereeing

Natural Product Research, SCI Journal, September 2017

International Journal of Secondary Metabolite, Other Indexed Journal, March 2017

Citations

Total Citations (WOS):65

h-index (WOS):5