

Res. Asst. PhD Ayşe Merve ŞENOL

Personal Information

Email: merve.aslandas@atauni.edu.tr

Web: <https://Atatürk Üniversitesi Fen Fakültesi Kimya Bölümü Oda No 61>

Address: Atatürk Üniversitesi Fen Fakültesi Kimya Bölümü 25240 Yakutiye ERZURUM

International Researcher IDs

ScholarID: 376PmfEAAAAJ

ORCID: 0000-0003-3355-8222

Yoksis Researcher ID: 23781

Education Information

Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, Kimya Bilim Dalı Fizikokimya Anabilim Dalı, Turkey 2012 - 2018

Postgraduate, Ataturk University, Fen Bilimleri Enstitüsü, Kimya Bilim Dalı Fizikokimya Anabilim Dalı, Turkey 2009 - 2012

Undergraduate, Celâl Bayar Üniversitesi, Fen Edebiyat Fakültesi, Kimya Bölümü, Turkey 2005 - 2009

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Chemistry, Analytical Chemistry, Pharmaceutical Analysis, Infrared Spectroscopy, Physical Chemistry, Chemical Kinetics, nanocomposites, Spectroscopy, Organic Chemistry, Chemistry of Dyes and Pigments, Natural Sciences

Academic Titles / Tasks

Research Assistant, Ataturk University, Fen Edebiyat Fakültesi, Kimya Bölümü, 2011 - Continues

Courses

Temel Kimya Laboratuvarı-II, Undergraduate, 2019 - 2020

Fizikokimya Lab-II, Undergraduate, 2018 - 2019

Undergraduate, 2018 - 2019

Undergraduate, 2019 - 2020

Fizikokimya Lab-II, Undergraduate, 2018 - 2019

Fizikokimya Lab-I, Undergraduate, 2018 - 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Industrial Symbiosis: CO₂ Utilization by Producing Disodium Octaborate Tetrahydrate and Baking Soda from Borax**
 Çopur M., Şenol A. M., Pekdemir T., Onganer Y.
 INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.62, pp.13340-13354, 2023 (SCI-Expanded)
- II. **A simple fluorescent "Turn off-on" sensor based on P, N-doped graphene quantum dots for Hg²⁺ and Cysteine determination**
 Şenol A. M., Kassa S. B., Onganer Y.
 Sensors and Actuators A: Physical, vol.356, 2023 (SCI-Expanded)
- III. **Safranin T- SDS- GO ternary system: A fluorescent pH sensor**
 Korkmaz K., Beşer B. M., Şenol A. M., Onganer Y.
 COLLOIDS AND SURFACES B-BIOINTERFACES, vol.206, 2021 (SCI-Expanded)
- IV. **Facile green and one-pot synthesis of seville orange derived carbon dots as a fluorescent sensor for Fe³⁺ ions**
 Şenol A. M., Bozkurt E.
 MICROCHEMICAL JOURNAL, vol.159, pp.105357, 2020 (SCI-Expanded)
- V. **Synthesis and photophysical properties of new pyrazolines with triphenyl and ester derivatives**
 ŞENOL A. M., Bayrak Ç., MENZEK A., ONGANER Y., Yaka N.
 Journal of Molecular Structure, vol.1214, 2020 (SCI-Expanded)
- VI. **A facile route for the preparation of silver nanoparticles-graphene oxide nanocomposites and their interactions with pyronin Y dye molecules**
 Şenol A. M., Metin O., Onganer Y.
 DYES AND PIGMENTS, vol.162, pp.926-933, 2019 (SCI-Expanded)
- VII. **An unusual "off-on" fluorescence sensor for iron(III) detection based on fluorescein-reduced graphene oxide functionalized with polyethyleneimine**
 Şenol A. M., Onganer Y., Meral K.
 SENSORS AND ACTUATORS B-CHEMICAL, vol.239, pp.343-351, 2017 (SCI-Expanded)
- VIII. **The interaction of fluorescent Pyronin Y molecules with monodisperse silver nanoparticles in chloroform**
 ŞENOL A. M., Metin O., Acar M., ONGANER Y., Meral K.
 JOURNAL OF MOLECULAR STRUCTURE, vol.1103, pp.212-216, 2016 (SCI-Expanded)
- IX. **Liquid nitrogen-assisted synthesis of fluorescent carbon dots from Blueberry and their performance in Fe 3+ detection**
 Aslandas A. M., Balcı N., Arik M., Sakiroglu H., Onganer Y., Meral K.
 Applied Surface Science, vol.356, pp.747-752, 2015 (SCI-Expanded)
- X. **Polyelectrolytes-assisted layer-by-layer assemblies of graphene oxide and dye on glass substrate**
 Aslandas A. M., ONGANER Y., Meral K.
 RSC ADVANCES, vol.5, no.23, pp.18051-18056, 2015 (SCI-Expanded)

Articles Published in Other Journals

- I. **EFFECT OF LIPIDS IN TISSUE FACTOR ACTIVITY ISOLATED FROM SHEEP AND LAMB LUNG**
 TENEKECİGİL A., ŞENOL H., ŞENOL A. M., EMEKLİ N.
 Turkish Journal of Molecular Biology and Biotechnology, vol.2, pp.155, 2017 (Non Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Green synthesis of fluorescent carbon dots and their interaction with graphene oxide in aqueous solution**
 ŞENOL A. M., ONGANER Y.

- International Congress on Semiconductor Materials and Devices (ICSM-2018), 28 - 30 August 2018
- II. **The interactions of silver nanoparticles/graphene oxide composites with Methylene Blue molecules in aqueous solution**
ŞENOL A. M., ONGANER Y.
International Congress on Semiconductor Materials and Devices (ICSM-2018), 28 - 30 August 2018
- III. **Preparation of Graphene Oxide-Safranin T composites in aqueous solution and an investigation on photophysical properties of Safranin T**
BEŞER B. M., ŞENOL A. M., KORKMAZ K.
International Conference on Physical Chemistry and Functional Materials (PCFM'18), 19 - 21 June 2018
- IV. **EFFECT OF LIPIDS IN TISSUE FACTOR ACTIVITY ISOLATED FROM SHEEP AND LAMB LUNG**
TENEKECİGİL A., ŞENOL H., ŞENOL A. M., EMEKLİ N.
VI. International Congress of Molecular Medicine, 22 - 25 May 2017, pp.303
- V. **Preparation and Cytotoxic Activities of Silver-Graphene Nanocomposites Loaded with Curcumin for Drug Delivery System**
ŞENOL A. M., Şenol H., TOPÇU G., ONGANER Y.
IVEK 3rd International Convention of Pharmaceuticals and Pharmacies, İstanbul, Turkey, 26 - 29 April 2017, pp.996-997
- VI. **Preparation and Cytotoxic Activities of Silver-Graphene Nanocomposites Loaded with Curcumin for Drug Delivery Systems**
ŞENOL A. M., BAHADORİ F., ŞENOL H., TOPÇU G., ONGANER Y.
IVEK 3rd International Convention of Pharmaceuticals and Pharmacies, 26 - 29 January 2017, pp.996-997
- VII. **Magnetically Separable Graphene Oxide Fe3O4 Nanocomposites for Photocatalytic Degradation of Methylene Blue Under UV Irradiation**
TUBA EZGİ T., KÜBRA B., ŞENOL A. M., MURAT K., MERAL K.
1st international turkic world conference on chemical sciences and technologies, 27 October - 01 November 2015
- VIII. **A Facile Synthesis of Fluorescent Carbon Dots from Blueberry and Their Performance in Fe3 Detection**
ŞENOL A. M., BALCI N., ARIK M., ŞAKIROĞLU H., ONGANER Y., MERAL K.
1st international turkic world conference on chemical sciences and technologies, Bosnia And Herzegovina, 27 October - 01 November 2015
- IX. **Çinko Oksit Nanopartikülleri İle Pyronin Y Arasındaki Floresans Rezonans Enerji Transferi**
ASLANDAŞ A. M., MERAL K., ONGANER Y.
5. Fiziksel Kimya Kongresi, Turkey, 16 - 19 May 2015
- X. **Karbon Nanopartiküllerin Farklı Yöntemlerle Sentezi ve Karakterizasyonu**
ASLANDAŞ A. M., BİLMİŞOĞLU K., TÜZEMEN T. E., MERAL K.
5. Fiziksel Kimya Kongresi, Turkey, 16 - 19 May 2015
- XI. **Layer-by-layer Assembly of Pyronin (Y) Dye with Graphene Oxide on Glass Substrate**
ŞENOL A. M., MERAL K., ONGANER Y.
10th Nanoscience and Nanotechnology Conference (NANOTR-10), İstanbul, Turkey, 17 - 21 June 2014, pp.305
- XII. **The synthesis of silver nanoparticles graphene oxide composites and their interaction with Pyronin Y molecules in aqueous solution**
ŞENOL A. M., MERAL K., ONGANER Y.
NANOTR-10, İstanbul, Turkey, 17 - 21 June 2014, pp.301
- XIII. **The synthesis of monodisperse silver nanoparticles and the spectroscopic characterization of their interaction with Pyronin Y dye molecules in chloroform**
ŞENOL A. M., MERAL K., METİN Ö., ONGANER Y.
NANOTR-9, Erzurum, Turkey, 24 - 28 June 2013, pp.198
- XIV. **Borakstan Sodyum Bikarbonat Üretimi**
ÇOPUR M., ŞENOL A. M., KARAKAŞ İ. H., KOCAKERİM M.
10'ncu Ulusal Kimya Mühendisliği Kongresi (UKMK-10), İstanbul, Turkey, 3 - 06 September 2012, pp.1-7
- XV. **Borakstan Sodyum Bikarbonat Üretimi**

- ÇOPUR M., ŞENOL A. M., KARAKAŞ İ. H., KOCAKERİM M.
10'ncu Ulusal Kimya Mühendisliği Kongresi (UKMK-10), İstanbul, Turkey, 3 - 06 September 2012, pp.1-7
- XVI. **Optimization of Sodium Bicarbonate Production from Borax by Taguchi Method**
ŞENOL A. M., ÇOPUR M., ONGANER Y.
4th EucheMS Chemistry Congress, Prag, Czech Republic, 26 - 30 August 2012, pp.1111
- XVII. **Investigation of Sodium Bicarbonate Production from Borax in Ammonia Solutions Saturated with Carbon Dioxide Gases Under Pressure**
ŞENOL A. M., ÇOPUR M., ONGANER Y.
4th EucheMS Chemistry Congress, Prag, Czech Republic, 26 - 30 August 2012, pp.1112

Supported Projects

AKBULUT N., MENZEK A., DAŞTAN A., EKİNCİ D., KILIÇ H., ÖZDEMİR H., KAZAZ C., SARAÇOĞLU N., ONGANER Y., ŞAHİN E., et al., Project Supported by Higher Education Institutions, Kimya Bölümünün Akademik Araştırma Potansiyelinin Geliştirilmesi, 2019 - 2021

GÜLLER P., ŞEN S., KARDEŞOĞLU T., ELALDI G., ARDAHANLI R., ŞENOL A. M., Project Supported by Higher Education Institutions, Kendi Kremini Kendin Yap, 2019 - 2020

ŞENOL A. M., GÜLLER P., ŞEN S., DERE B., ATİŞ S., YILMAZ M. C., Project Supported by Higher Education Institutions, Sağlık İçin Atma Topla, 2019 - 2020

Metrics

Publication: 28
Citation (WoS): 250
Citation (Scopus): 261
H-Index (WoS): 7
H-Index (Scopus): 7

Awards

ŞENOL A. M., Kimyagerler Derneği Fizikokimya Anabilim Dalında 2. Araştırma Teşvik Ödülü, Kimyagerler Derneği, March 2018

ŞENOL A. M., POSTER BİLDİRİSİ DALINDA BİRİNCİLİK ÖDÜLÜ, 5. FİZİKSEL KİMYA KONGRESİ, May 2015