

**Asst. Prof. SEMA ÇELİK**



## **Personal Information**

**Office Phone:** [+90 222 239 3750](tel:+902222393750) Extension: 2870

**Email:** [secelik@ogu.edu.tr](mailto:secelik@ogu.edu.tr)

**Web:** <https://avesis.ogu.edu.tr/4262>

**Address:** Eskişehir Osmangazi Üniversitesi Fen Edebiyat Fakültesi Kimya Bölümü

## **International Researcher IDs**

ScholarID: [\\_c\\_kfHAAAAAJ](#)

ORCID: [0000-0003-4284-823X](#)

Publons / Web Of Science ResearcherID: [C-1414-2017](#)

ScopusID: [36237934100](#)

Yoksis Researcher ID: [329264](#)

## **Education Information**

Doctorate, Eskişehir Osmangazi University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 2011 - 2018

Postgraduate, Eskişehir Osmangazi University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), Turkey 2009 - 2011

Undergraduate, Gazi University, Fen Fakültesi, Biyoloji, Turkey 2004 - 2008

## **Foreign Languages**

English, B1 Intermediate

## **Dissertations**

Doctorate, Anyonik hidrojel ile immobilize edilmiş thamnidium elegans biyokütlesinin kadmiyum ve nikel biyosorpsiyonu için kullanımı, Eskişehir Osmangazi University, Fen Bilimleri Enstitüsü, Kimya (Dr), 2018

Postgraduate, Bitkisel doku üzerine Neurospora sitophila hücrelerinin immobilize edilmesiyle hazırlanan biyokütle sisteminin reaktif boyarmadde biyosorpsiyonu karakteristikleri, Eskişehir Osmangazi University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 2011

## **Research Areas**

Biotechnology, Environmental Biotechnology, Chemistry, Biochemistry, Engineering and Technology

## **Academic Titles / Tasks**

Assistant Professor, Eskişehir Osmangazi University, Fen Fakültesi, Kimya Bölümü, 2020 - Continues

## **Academic and Administrative Experience**

## Courses

Chemistry Lab. (B), Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021  
General Chemistry, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021  
Purification of Biomolecules, Postgraduate, 2021 - 2022, 2020 - 2021  
Biyokimya, Undergraduate, 2021 - 2022, 2020 - 2021  
Biochemistry Laboratory, Undergraduate, 2021 - 2022  
Chemistry (B), Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021  
Biyokimyada Modern Teknikler II (Kimya Çözümlenmeleri), Undergraduate, 2021 - 2022, 2020 - 2021  
Biyokimya, Undergraduate, 2021 - 2022  
Biyokimyada Modern Teknikler I (Kimya Çözümlenmeleri), Undergraduate, 2022 - 2023, 2021 - 2022  
Metals in Biochemistry, Postgraduate, 2022 - 2023  
Biyokimyasal Toksikoloji, Undergraduate, 2021 - 2022, 2020 - 2021  
Gıda Güvenliği ve Toksikite, Undergraduate, 2021 - 2022  
Biyokimya, Undergraduate, 2020 - 2021  
Biyoelements, Undergraduate, 2020 - 2021  
Food Chemistry, Undergraduate, 2020 - 2021

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

- I. **A Green Biocomposite Produced by Passive Cell Immobilization onto Waste Biomass Support for Biodecolorization of Reactive Dye Contamination**  
ÇELİK S.  
CHEMISTRYSELECT, vol.8, no.1, 2023 (SCI-Expanded)
- II. **A hybrid biocomposite of *Thamnidium elegans*/olive pomace/chitosan for efficient bioremoval of toxic copper**  
Akar T., Uzunel Can Ü. G., Çelik S., Sayın F., Tunali Akar S.  
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.221, pp.865-873, 2022 (SCI-Expanded)
- III. **Highly effective fish scale-based biochar as a recyclable and green material for toxic cadmium ion bioremoval from liquid phase**  
AKAR T., Karadağ Atılgan M., ÇELİK S., SAYIN F., Tunali Akar S.  
Biomass Conversion and Biorefinery, 2022 (SCI-Expanded)
- IV. **Chitosan immobilization and Fe<sub>3</sub>O<sub>4</sub> functionalization of olive pomace: An eco-friendly and recyclable Pb<sup>2+</sup> biosorbent**  
Sayın F., Tunali Akar S., Akar T., Çelik S., Gedikbey T.  
CARBOHYDRATE POLYMERS, vol.269, 2021 (SCI-Expanded)
- V. **Attached culture of *Gibberella fujikuroi* for biocomposite sorbent production and ciprofloxacin sequestration applications**  
Akar T., Sayın F., Çelik S., Akar S.  
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.96, no.9, pp.2610-2619, 2021 (SCI-Expanded)
- VI. **Efficacy of green waste-derived biochar for lead removal from aqueous systems: Characterization, equilibrium, kinetic and application**  
Hammo M. M., Akar T., Sayın F., Çelik S., Akar S.  
Journal of Environmental Management, vol.289, 2021 (SCI-Expanded)
- VII. **Immobilized *Mucor plumbeus* on sepiolite support: A potential decolorization agent suitable for batch and continuous mode water treatment**  
Akar T., Kurşunlu G., Çelik S., Akar S.

Journal of Cleaner Production, vol.294, 2021 (SCI-Expanded)

- VIII. **Microbial cells immobilized on natural biomatrix as a new potential ecofriendly biosorbent for the biotreatment of reactive dye contamination**  
Celik S., Duman N., Sayin F., Tunali Akar S., Akar T.  
JOURNAL OF WATER PROCESS ENGINEERING, vol.39, 2021 (SCI-Expanded)
- IX. **Phlebia gigantea cells immobilized on renewable biomass matrix as potential ecofriendly scavenger for lead contamination**  
Akar T., Aydin P., Celik S., Tunali Akar S.  
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.27, pp.16177-16188, 2020 (SCI-Expanded)
- X. **Process design and potential use of a regenerable biomagsorbent for effective decolorization process**  
Karagoz R., AKAR S., TÜRKYILMAZ S., Celik S., AKAR T.  
JOURNAL OF THE TAIWAN INSTITUTE OF CHEMICAL ENGINEERS, vol.93, pp.554-565, 2018 (SCI-Expanded)
- XI. **Biosorption of Basic Blue 7 by fungal cells immobilized on the green-type biomatrix of Phragmites australis spongy tissue**  
AKAR T., Uzun C., Celik S., AKAR S.  
INTERNATIONAL JOURNAL OF PHYTOREMEDIATION, vol.20, no.2, pp.145-152, 2018 (SCI-Expanded)
- XII. **Anionically reinforced hydrogel network entrapped fungal cells for retention of cadmium in the contaminated aquatic media**  
Celik S., AKAR S., ŞÖLENER M., AKAR T.  
JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.204, pp.583-593, 2017 (SCI-Expanded)
- XIII. **Treatment design and characteristics of a biosorptive decolourization process by a green type sorbent**  
AKAR T., TÜRKYILMAZ S., Celik S., AKAR S.  
JOURNAL OF CLEANER PRODUCTION, vol.112, pp.4844-4853, 2016 (SCI-Expanded)
- XIV. **Biosorption potential of surface-modified waste sugar beet pulp for the removal of Reactive Yellow 2 (RY2) anionic dye**  
Tunali Akar S., Celik S., Tunc D., Yetimoglu Balk Y., AKAR T.  
TURKISH JOURNAL OF CHEMISTRY, vol.40, no.6, pp.1044-1054, 2016 (SCI-Expanded)
- XV. **Effective biodecolorization potential of surface modified lignocellulosic industrial waste biomass**  
AKAR S., Yilmazer D., Celik S., Balk Y. Y., AKAR T.  
CHEMICAL ENGINEERING JOURNAL, vol.259, pp.286-292, 2015 (SCI-Expanded)
- XVI. **On the utilization of a lignocellulosic waste as an excellent dye remover: Modification, characterization and mechanism analysis**  
AKAR S., Yilmazer D., Celik S., Balk Y. Y., AKAR T.  
CHEMICAL ENGINEERING JOURNAL, vol.229, pp.257-266, 2013 (SCI-Expanded)
- XVII. **Biosorption potential of Orange G dye by modified Pyracantha coccinea: Batch and dynamic flow system applications**  
Ari A. G., Celik S.  
CHEMICAL ENGINEERING JOURNAL, vol.226, pp.263-270, 2013 (SCI-Expanded)
- XVIII. **Nickel removal characteristics of an immobilized macro fungus: equilibrium, kinetic and mechanism analysis of the biosorption**  
AKAR T., Celik S., Ari A. G., AKAR S.  
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.88, no.4, pp.680-689, 2013 (SCI-Expanded)
- XIX. **Chemical modification of a plant origin biomass using cationic surfactant ABDAC and the biosorptive decolorization of RR45 containing solutions**  
AKAR T., Ozkara E., Celik S., TÜRKYILMAZ S., AKAR S.  
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.101, pp.307-314, 2013 (SCI-Expanded)
- XX. **Removal of Pb<sup>2+</sup> ions from contaminated solutions by microbial composite: Combined action of a soilborne fungus Mucor plumbeus and alunite matrix**  
AKAR T., Celik S., Ari A. G., AKAR S.

CHEMICAL ENGINEERING JOURNAL, vol.215, pp.626-634, 2013 (SCI-Expanded)

- XXI. **Efficient biosorption of a reactive dye from contaminated media by Neurospora sitophila cells - Zea mays silk tissue biomass system**

AKAR T., Celik S.

JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.86, no.10, pp.1332-1341, 2011 (SCI-Expanded)

- XXII. **Decolorization of Reactive Blue 49 contaminated solutions by Capsicum annum seeds: Batch and continuous mode biosorption applications**

AKAR S., Gorgulu A., AKAR T., Celik S.

CHEMICAL ENGINEERING JOURNAL, vol.168, no.1, pp.125-133, 2011 (SCI-Expanded)

- XXIII. **Biosorption performance of surface modified biomass obtained from Pyracantha coccinea for the decolorization of dye contaminated solutions**

AKAR T., Celik S., AKAR S.

CHEMICAL ENGINEERING JOURNAL, vol.160, no.2, pp.466-472, 2010 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Anionic dye biosorption of potential of chitosan-sugar beet pulp biocomposite sorbent system**

Çelik S.

Gümüşhane Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.11, no.2, pp.325-338, 2021 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Çözünürlük ve Çözünürlüğü Etkileyen Faktörler**

Çelik S., Yeşilel O. Z.

in: GENEL KİMYA LABORATUVARI, Okan Zafer YEŞİLEL, Editor, ESOGÜ Basımevi, Eskişehir, pp.159-163, 2022

- II. **pH ve İndikatörler**

Çelik S., Yeşilel O. Z.

in: GENEL KİMYA LABORATUVARI, Okan Zafer YEŞİLEL, Editor, ESOGÜ Basımevi, Eskişehir, pp.141-148, 2022

- III. **Çözelti Hazırlama**

Çelik S., Yeşilel O. Z.

in: GENEL KİMYA LABORATUVARI, Okan Zafer YEŞİLEL, Editor, ESOGÜ Basımevi, Eskişehir, pp.110-117, 2022

- IV. **Asit-Baz Titrasyonu**

Çelik S., Yeşilel O. Z.

in: GENEL KİMYA LABORATUVARI, Okan Zafer YEŞİLEL, Editor, ESOGÜ Basımevi, Eskişehir, pp.149-153, 2022

## Refereed Congress / Symposium Publications in Proceedings

- I. **Fungal cells immobilized on an agricultural waste biomass for the biosorptive treatment of copper pollution**

ÇELİK S.

3rd International Conference on Applied Engineering and Natural Sciences, Konya, Turkey, 20 July 2022, pp.581

- II. **Bazı Makro Fungusların Boyarmadde Giderim Performansı**

ÇELİK S.

8. Bilim Günleri Kongresi, İstanbul, Turkey, 9 - 11 May 2022

- III. **Reactive Dye Biosorption Ability of Different Fungal Biosorbents**

ÇELİK S., SAYIN F.

3rd International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2021), Turkey, 15 December 2021

- IV. **Biosorptive treatment of Acid Yellow 17 contaminated water using an agricultural waste biomass**  
KURTULUŞ S., ÇELİK S., SAYIN F.  
1st International Conference on Applied Engineering and Natural Sciences (ICAENS 2021), 03 November 2021
- V. **Removal Of Reactive Red 45 (RR45) Dye stuff Contaminated Solutions using Modified *Pyracantha cocinea* Biomass**  
Çelik S.  
ISPEC 11th International Conference on Engineering & Natural Sciences, Muş, Turkey, 18 - 19 September 2021, pp.6
- VI. **Lead Biosorption potential of *Gibberella fujikuroi* biomass for water treatment**  
Akar T., Uzunel Ü. G., Çelik S., Akar S.  
2nd International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 28 - 29 June 2019, pp.700-705
- VII. ***Lactarius salmonicolor* as an effective biomaterial for the removal of cadmium from solutions**  
Akar S., Karadağ M., Çelik S., Akar T.  
2nd International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 28 - 29 June 2019, pp.693-699
- VIII. **Biosorptive removal of cadmium from aqueous solutions by the biomaterial prepared from *Neurospora sitophila* cells**  
Akar S., Pehlivan B. N., Çelik S., Akar T.  
2nd International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 28 - 29 June 2019, pp.706-711
- IX. **Biosorption of Cu[II] from Contaminated Aquatic Media Using Biocomposite Immobilized with Natural Biopolymer**  
Akar T., Uzunel Ü. G., Çelik S., Akar S.  
Uluslararası Katılımlı VII. Polimer Bilim ve Teknoloji Kongresi, Eskişehir, Turkey, 9 - 12 September 2018, pp.408
- X. **Investigation of Copper Removal Properties from Aqueous Solutions by Chitosan-Olive Pomace Composite Adsorbent**  
Akar S., Sayın F., Çelik S., Akar T.  
Uluslararası Katılımlı VII. Polimer Bilim ve Teknoloji Kongresi, Eskişehir, Turkey, 9 - 12 September 2018, pp.278
- XI. **Anionically Reinforced Polymeric Sorbents for Heavy Metal Retention from Aquatic Environment**  
Çelik S., Karadağ M., Akar T., Şölener M., Akar S.  
Uluslararası Katılımlı VII. Polimer Bilim ve Teknoloji Kongresi, Eskişehir, Turkey, 9 - 12 September 2018, pp.409
- XII. **Utilization of Natural Biopolymer Coated Fungal Cells as Biosorbent Material**  
Akar S., Sayın F., Çelik S., Akar T.  
Uluslararası Katılımlı VII. Polimer Bilim ve Teknoloji Kongresi, Eskişehir, Turkey, 9 - 12 September 2018, pp.279
- XIII. **Pb(II) Sorption Potential of *Neurospora Sitophila* Cells Immobilized with Geopolymeric Matrix**  
Akar T., Pehlivan B. N., Çelik S., Kara İ., Akar S.  
Uluslararası Katılımlı VII. Polimer Bilim ve Teknoloji Kongresi, Eskişehir, Turkey, 9 - 12 September 2018, pp.407
- XIV. **Biosorptive Removal of Nickel (II) with Silica-Gel Immobilized Grape Pomace Waste**  
Akar S., Pehlivan B. N., İlica H. N., Pilebaz E., Çelik S., Akar T.  
1st International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 26 - 27 April 2018, pp.880
- XV. **, Optimization of the Batch Mode Biosorption of Pb (II) onto *Thamnidium elegans***  
Akar S., Pehlivan B. N., Çelik S., Akar T.  
1st International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 26 - 27 April 2018, pp.881
- XVI. **Removal Conditions of Basic Blue 7 from Aqueous Solutions by Fungal Cells Immobilized on Biomatrix of *Phragmites australis***  
Akar T., Uzun C., Çelik S., Akar S.  
1st International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 26 - 27 April 2018, pp.372

- XVII. **Batch Mode Copper Biosorption Conditions of a Macro Fungus *Lactarius salmonicolor***  
Akar S., Uzunel Ü. G., Çelik S., Akar T.  
1st International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 26 - 27 April 2018, pp.884
- XVIII. ***Gibberella fujikuroi* Cells for The Retention of Cd<sup>2+</sup> in The Aquatic Environment**  
Akar S., Karadağ M., Çelik S., Akar T.  
1st International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 26 - 27 April 2018, pp.885
- XIX. **Biosorptive Decolorization Conditions of Reactive Yellow 85 in Aquatic Media Using Chitosan Coated Olive Pomace**  
Akar S., Karadağ M., Gök B., Erken B., Çelik S., Akar T.  
1st International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 26 - 27 April 2018, pp.883
- XX. **Characterization of Magnetic-Chitosan Coated Industrial Waste for Lead Biosorption**  
Akar S., Sayın F., Çelik S., Akar T.  
1st International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 26 - 27 April 2018, pp.878
- XXI. **Decolorization Conditions of Reactive Violet 1 Dye by a Biosorbent Obtained From Peapod Peel**  
Akar T., Uzunel Ü. G., Karabulut G., Çelik S., Akar S.  
1st International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 26 - 27 April 2018, pp.882
- XXII. **Effective Removal of Pb(II) Ions from Aqueous Solutions by a Plant Based Magnetic Biosorbent in Fixed-Bed Column**  
Sayın F., Akar S., Çelik S., Akar T.  
10th Aegean Analytical Chemistry Days, Çanakkale, Turkey, 29 September - 02 October 2016, pp.147-150
- XXIII. **Optimization by Box-Behnken Experimental Design for the Biosorption of Reactive Violet 1 on *Pisum sativum***  
Akar T., Türkyılmaz S., Çelik S., Akar S.  
Symposium on EuroAsian Biodiversity, Antalya, Turkey, 23 - 27 May 2016, pp.256
- XXIV. **Evaluation of the the possible interactions between synthetic dye and surface modified biosorbent**  
Akar T., Özkara E., Çelik S., Türkyılmaz S., Akar S.  
Symposium on EuroAsian Biodiversity, Antalya, Turkey, 23 - 27 May 2016, pp.390
- XXV. **Dynamic Flow Mode Decolorization Performance of *Neurospora sitophila*-*Zea mays* silk tissue biomass system for a Reactive Dye**  
Akar T., Çelik S.  
Symposium on EuroAsian Biodiversity, Antalya, Turkey, 23 - 27 May 2016, pp.389
- XXVI. **Removal of Pb<sup>2+</sup> ions from contaminated solutions by microbial composite: Combined action of a soilborne fungus *Mucor plumbeus* and Alunite matrix**  
Akar T., Çelik S., Görgülü Arı A., Akar S.  
Symposium on EuroAsian Biodiversity, Antalya, Turkey, 23 - 27 May 2016, pp.392
- XXVII. **Nickel Biosorption Conditions of a Macro Fungus *Lactarius salmonicolor***  
Akar T., Çelik S., Görgülü Arı A., Akar S.  
Symposium on EuroAsian Biodiversity, Antalya, Turkey, 23 - 27 May 2016, pp.391
- XXVIII. Akar S., Çelik S., Yılmaz D., Yetimoğlu Balk Y., Akar T.  
27. Ulusal Kimya Kongresi, Çanakkale, Turkey, 23 - 28 August 2015, pp.807
- XXIX. Akar S., Görgülü Arı A., Akar T., Çelik S.  
11.Ulusal Kimya Mühendisliği Kongresi, Eskişehir, Turkey, 2 - 05 September 2014, pp.18-19
- XXX. Akar T., Çelik S., Görgülü Arı A., Akar S.  
22.Ulusal Biyoloji Kongresi, Eskişehir, Turkey, 23 - 27 June 2014, pp.763
- XXXI. Akar S., Yetimoğlu Balk Y., Çelik S., Yılmaz D., Akar T.  
22.Ulusal Biyoloji Kongresi, Eskişehir, Turkey, 23 - 27 June 2014, pp.861

- XXXII. Akar T., Çelik S.  
22.Ulusal Biyoloji Kongresi, 23 - 27 June 2014, pp.185
- XXXIII. Akar T., Çelik S., Görgülü Arı A., Akar S.  
Kromatografi Kongresi, Bursa, Turkey, 19 - 22 June 2013, pp.54
- XXXIV. Akar T., Çelik S., Görgülü Arı A., Akar S.  
Kromatografi Kongresi, Bursa, Turkey, 19 - 22 June 2013, pp.53
- XXXV. Akar S., Yılmaz D., Çelik S., Yetimoğlu Balk Y., Akar T.  
Kromatografi Kongresi, Bursa, Turkey, 19 - 22 June 2013, pp.33
- XXXVI. Akar T., Özkara E., Çelik S., Türkyılmaz S., Akar S.  
XIII. Ulusal Spektroskopi Kongresi, Burdur, Turkey, 15 - 18 May 2013, pp.164
- XXXVII. Akar T., Çelik S., Akar S.  
XIII. Ulusal Spektroskopi Kongresi, Burdur, Turkey, 15 - 18 May 2013, pp.165
- XXXVIII. Görgülü Arı A., Çelik S.  
26. Ulusal Kimya Kongresi, Muğla, Turkey, 1 - 06 October 2012, pp.50-51
- XXXIX. **Şeker pancarı posasından elde edilen doğal biyosorbent ile çeşitli boyarmaddelerin giderimine pH etkisi**  
Akar S., Yılmaz D., Çelik S., Balk Y., Akar T.  
1st International Anatolian Sugar Beet Symposium, Kayseri, Turkey, 20 - 22 September 2012, pp.242-245
- XL. **Şeker üretim prosesi kalıntısının modifiye formda biyosorbent olarak değerlendirilmesi**  
Akar S., Çelik S., Yılmaz D., Balk Y., Akar T.  
1st International Anatolian Sugar Beet Symposiu, Kayseri, Turkey, 20 - 22 September 2012, pp.246-249

## Supported Projects

- Çelik S., Akar T., Sayın F., Kurtuluş S., Project Supported by Higher Education Institutions, Bitkisel Destek Üzerine İmmobilize Edilmiş Gibberella fujikuroi Hücrelerinin Boyarmadde Biyosorpsiyonunda Kullanımı, 2021 - 2022
- Sayın F., Çelik S., Project Supported by Higher Education Institutions, Capsicum annuum L.-Kil Kompozit Adsorbanının Nikel Uzaklaştırma Potansiyelinin Belirlenmesi, 2021 - 2021
- Akar T., Çelik S., Sayın F., Project Supported by Higher Education Institutions, 2015 - 2019
- Akar T., Çelik S., Project Supported by Higher Education Institutions, 2016 - 2016
- Akar T., Çelik S., Project Supported by Higher Education Institutions, 2014 - 2015
- AKAR T., ÇELİK S., Project Supported by Higher Education Institutions, Kadmiyum ve Nikel Biyosorpsiyonu için Thamnidium elegans'ın Aktif İmmobilizasyonu, 2014 - 2015
- Akar S., Çelik S., Yılmaz D., Balk Y., Project Supported by Higher Education Institutions, 2012 - 2014

## Scientific Refereeing

- SUSTAINABLE CHEMISTRY AND PHARMACY, Journal Indexed in SCI-E, December 2021
- LETTERS IN APPLIED MICROBIOLOGY, Journal Indexed in SCI-E, August 2021
- JOURNAL OF ENVIRONMENTAL MANAGEMENT, Journal Indexed in SCI-E, June 2021
- JOURNAL OF ENVIRONMENTAL MANAGEMENT, Journal Indexed in SCI-E, June 2021
- BIOMASS CONVERSION AND BIOREFINERY, Journal Indexed in SCI-E, April 2021
- Journal Of Environmental Management, Journal Indexed in SCI-E, March 2021
- Journal Of Environmental Management, Journal Indexed in SCI-E, February 2021
- Environmental Engineering And Management Journal, Journal Indexed in SCI-E, February 2021
- Desalination And Water Treatment, Journal Indexed in SCI-E, March 2019
- Adsorption Science & Technology, Journal Indexed in SCI-E, December 2018
- Euro-Mediterranean Journal for Environmental Integration, Other Indexed Journal, May 2018
- Water Science And Technology, Journal Indexed in SCI-E, April 2017

Desalination And Water Treatment, Journal Indexed in SCI-E, February 2017  
Journal of the Association of Arab Universities for Basic and Applied Sciences, Other Indexed Journal, December 2016  
Desalination And Water Treatment, Journal Indexed in SCI-E, November 2016  
Journal of the Association of Arab Universities for Basic and Applied Sciences, Other Indexed Journal, September 2016  
Water Science And Technology, Journal Indexed in SCI-E, July 2016  
Arabian Journal of Chemistry, Journal Indexed in SCI-E, July 2016  
Chemical Industry & Chemical Engineering Quarterly, Journal Indexed in SCI-E, June 2016  
JOURNAL OF COLLOID AND INTERFACE SCIENCE, Journal Indexed in SSCI, June 2016  
Desalination And Water Treatment, Journal Indexed in SCI-E, June 2016  
Desalination And Water Treatment, Journal Indexed in SCI-E, June 2016  
Journal of the Association of Arab Universities for Basic and Applied Sciences, Other Indexed Journal, June 2016  
Journal of the Association of Arab Universities for Basic and Applied Sciences, Other Indexed Journal, April 2016  
Industrial Crops And Products, Journal Indexed in SCI-E, February 2016  
Arabian Journal of Chemistry, Journal Indexed in SCI-E, December 2015  
Desalination And Water Treatment, Journal Indexed in SCI-E, December 2015  
Global Nest Journal, Journal Indexed in SCI-E, June 2015  
Desalination And Water Treatment, Journal Indexed in SCI-E, April 2015  
Arabian Journal of Chemistry, Journal Indexed in SCI-E, March 2015  
Environmental Engineering And Management Journal, Journal Indexed in SCI-E, July 2014  
Environmental Engineering And Management Journal, Journal Indexed in SCI-E, June 2014  
Journal Of Environmental Management, Journal Indexed in SCI-E, June 2014  
applied Water Science, Journal Indexed in ESCI, May 2014  
Korean Journal Of Chemical Engineering, Journal Indexed in SCI-E, May 2014  
Chemical Industry & Chemical Engineering Quarterly, Journal Indexed in SCI-E, May 2014  
Environmental Pollution, Journal Indexed in SCI-E, May 2014  
International Journal of Environmental Protection, Other Indexed Journal, May 2014  
Desalination And Water Treatment, Journal Indexed in SCI-E, December 2013

## **Metrics**

Publication: 68  
Citation (WoS): 327  
Citation (Scopus): 358  
H-Index (WoS): 11  
H-Index (Scopus): 11

## **Awards**

Çelik S., Araştırma Teşvik Ödülü, Kimyagerler Derneği, March 2017