

# Prof. HAKAN SÖYÜT

## Personal Information

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## International Researcher IDs

ScholarID: audhldMAAAAJ

ORCID: 0000-0002-0361-7458

Publons / Web Of Science ResearcherID: AAE-6795-2019

ScopusID: 23502381000

Yoksis Researcher ID: 18665

## Education Information

Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, Biyokimya (Dr), Turkey 2003 - 2006

Postgraduate, Ataturk University, Fen Bilimleri Enstitüsü, Fizikokimya (YI) (Tezli), Turkey 1999 - 2003

Undergraduate, Ataturk University, Fen-Edebiyat Fakültesi, Kimya Bölümü, Turkey 1995 - 1999

## Foreign Languages

English, C1 Advanced

## Research Areas

Natural Sciences

## Academic Titles / Tasks

Associate Professor, Bayburt University, Bayburt Faculty Of Education, Department Of Basic Education, 2015 - 2018

Assistant Professor, Bayburt University, Bayburt Faculty Of Education, Department Of Basic Education, 2009 - 2015

## Courses

Genel Kimya III (2009), Undergraduate, 2009 - 2010

Genel Kimya Lab.I (2009), Undergraduate, 2009 - 2010

## Advising Theses

SÖYÜT H., Çipura (*Sparus aurata*) balığının karaciğer, solungaç ve böbrek dokularından karbonik anhidraz enziminin saflaştırılması, karakterizasyonu ve bazı metal iyonlarının enzim aktivitesi üzerine etkilerinin incelenmesi, Doctorate, E.DUYGU(Student), 2011

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

- I. **Influence of the enzymatic and the chemical oxidative polymerization of trifluoromethyl-substituted aromatic diamine on thermal and photophysical properties**  
SÖYÜT H., KOLCU F., KAYA İ., Yaşar A. Ö.  
Polymers for Advanced Technologies, vol.34, no.4, pp.1293-1306, 2023 (SCI-Expanded)
- II. **An in vitro Study: Inhibitory Effect of Carfilzomib on Human Serum Paraoxonase-1 (hPON1)**  
SÖYÜT H.  
INTERNATIONAL JOURNAL OF PHARMACOLOGY, vol.18, no.3, pp.522-526, 2022 (SCI-Expanded)
- III. **In vitro inhibitory effects of palonosetron hydrochloride, bevacizumab and cyclophosphamide on purified paraoxonase-I (hPON1) from human serum**  
Turkes C., SÖYÜT H., Beydemir S.  
ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY, vol.42, pp.252-257, 2016 (SCI-Expanded)
- IV. **Human serum paraoxonase-1 (hPON1): in vitro inhibition effects of moxifloxacin hydrochloride, levofloxacin hemihidrate, cefepime hydrochloride, cefotaxime sodium and ceftizoxime sodium**  
Turkes C., SÖYÜT H., Beydemir S.  
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.30, no.4, pp.622-628, 2015 (SCI-Expanded)
- V. **The toxicological impacts of some heavy metals on carbonic anhydrase from gilthead sea bream (Sparus aurata) gills**  
Kaya E. D., SÖYÜT H., Beydemir S.  
ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY, vol.39, no.2, pp.825-832, 2015 (SCI-Expanded)
- VI. **Effect of calcium channel blockers on paraoxonase-1 (PON1) activity and oxidative stress**  
Turkes C., SÖYÜT H., Beydemir S.  
PHARMACOLOGICAL REPORTS, vol.66, no.1, pp.74-80, 2014 (SCI-Expanded)
- VII. **Synthesis and paroxonase activities of novel bromophenols**  
Akbaba Y., Turkes C., Polat L., SÖYÜT H., ŞAHİN E., MENZEK A., GÖKSU S., Beydemir S.  
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.28, no.5, pp.1073-1079, 2013 (SCI-Expanded)
- VIII. **Carbonic anhydrase activity from the gilthead sea bream (Sparus aurata) liver: The toxicological effects of heavy metals**  
Kaya E. D., SÖYÜT H., Beydemir S.  
ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY, vol.36, no.2, pp.514-521, 2013 (SCI-Expanded)
- IX. **The impact of heavy metals on the activity of carbonic anhydrase from rainbow trout (Oncorhynchus mykiss) kidney**  
SÖYÜT H., Beydemir S.  
TOXICOLOGY AND INDUSTRIAL HEALTH, vol.28, no.4, pp.296-305, 2012 (SCI-Expanded)
- X. **Synthesis and carbonic anhydrase inhibitory properties of novel bromophenols including natural products**  
Balaydin H. T., SÖYÜT H., Ekinci D., GÖKSU S., Beydemir S., MENZEK A., ŞAHİN E.  
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.27, no.1, pp.43-50, 2012 (SCI-Expanded)
- XI. **Changes in carbonic anhydrase activity and gene expression of Hsp70 in rainbow trout (Oncorhynchus mykiss) muscle after exposure to some metals**  
SÖYÜT H., Beydemir S., CEYHUN S. B., ERDOĞAN O., Kaya E. D.  
TURKISH JOURNAL OF VETERINARY & ANIMAL SCIENCES, vol.36, no.5, pp.499-508, 2012 (SCI-Expanded)
- XII. **Effects of some metals on carbonic anhydrase from brains of rainbow trout**  
SÖYÜT H., Beydemir S., Hisar O.  
BIOLOGICAL TRACE ELEMENT RESEARCH, vol.123, pp.179-190, 2008 (SCI-Expanded)
- XIII. **Purification and some kinetic properties of carbonic anhydrase from rainbow trout (Oncorhynchus mykiss) liver and metal inhibition**  
SÖYÜT H., Beydemir S.  
PROTEIN AND PEPTIDE LETTERS, vol.15, no.5, pp.528-535, 2008 (SCI-Expanded)

## Articles Published in Other Journals

- I. **A Quantitative Study: Investigation of the Universal Science Literacy Levels of Primary Teacher Candidates According to Some Variables**  
TANTAN M., KUTUR K., ASLAN H., KOŞAR B., SÖYÜT H.  
INTERNATIONAL ONLINE JOURNAL OF EDUCATIONAL SCIENCES, vol.4, no.14, pp.1058-1074, 2022 (Peer-Reviewed Journal)
- II. **Metaphorical Perceptions of Classroom Teachers regarding the Concept of Science**  
KOZAN D., SÖYÜT H.  
INTERNATIONAL ONLINE JOURNAL OF EDUCATIONAL SCIENCES, vol.14, no.1, pp.10-20, 2022 (Peer-Reviewed Journal)
- III. **Investigation of Inhibition Effect of Some Chemotherapeutic Drugs on Human Serum Paraoxonase-1 (PON1)**  
SÖYÜT H., ULUTAŞ Y., KÖKSAL E.  
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, 2022 (Peer-Reviewed Journal)
- IV. **İnsan Serum Paraoksonaz-1 (PON1) Enzim Aktivitesi Üzerine Zoledronik Asit'in İn Vitro İnhibisyon Etkisinin Araştırılması**  
SÖYÜT H., ULUTAŞ Y., KÖKSAL E.  
Türk Doğa ve Fen Dergisi, vol.9, no.2, pp.185-189, 2020 (Peer-Reviewed Journal)
- V. **Inhibitory Effects of Bendamustine on Human Serum Paraoxonase-1 (hPON1)**  
SÖYÜT H., ULUTAŞ Y., KÖKSAL E.  
Journal of the Institute of Science and Technology, vol.10, no.3, pp.1833-1838, 2020 (Peer-Reviewed Journal)
- VI. **Inhibition effects of commonly used some antibacterial and antiviral drugs on purified human serum paraoxonase-1 (hPON1)**  
SÖYÜT H.  
International Journal of Chemistry and Technology, vol.3, no.2, pp.146-150, 2019 (Peer-Reviewed Journal)
- VII. **In vitro inhibitory effects of ofloxacin hydrochloride, ampicillin sodium, cefotaxime sodium, and ceftizoxime sodium on purified paraoxonase-1 (hPON1) from human serum**  
SÖYÜT H.  
Scholarly Journal of Physical and Applied Chemistry, vol.1, no.1, pp.10-16, 2014 (Peer-Reviewed Journal)
- VIII. **Inhibition Effects of Gemcitabine Hydrochloride, Acyclovir, and 5-Fluorouracil on Human Serum Paraoxonase-1 (hPON1): In Vitro**  
TÜRKEŞ C., SÖYÜT H., BEYDEMİR Ş.  
Open Journal of Biochemistry, vol.1, no.1, pp.15-24, 2014 (Peer-Reviewed Journal)
- IX. **Carbonic anhydrase affinity purification and kinetic properties from rainbow trout lens**  
BEYDEMİR Ş., BÜLBÜL M., HİSAR O., SÖYÜT H., YANIK T.  
Int. App. Chem, vol.2, no.1, pp.45-55, 2006 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Assessment of antiradical and anticholinergic effects of wild cherry (Cerasus avium L.) stem**  
TOZOĞLU F., IŞIK M., DİKİCİ E., KÖKSAL E., SÖYÜT H., BEYDEMİR Ş.  
3rd EURASIA BIOCHEMICAL APPROACHES & TECHNOLOGIES (EBAT) CONGRESS, Antalya, Turkey, 04 November 2021, vol.152
- II. **Sınıf Öğretmenlerinin Bilim Kavramına İlişkin Metaforik Algıları**  
KOZAN D., SÖYÜT H.  
VIII th International Eurasian Educational Research Congress, 07 July 2021
- III. **Investigation of Inhibition Effect of Busulfan and Carfilzomib Chemotherapeutic Drugs on Paraoxonase (PON1) Enzyme Activity**  
SÖYÜT H., ULUTAŞ Y., KÖKSAL E.

4th International Conference on Data Science and Applications, Turkey, 4 - 06 June 2021

**IV. Investigation of Inhibition Effect of Methotrexate Chemotherapeutic Drug on Paraoxonase (PON1) Enzyme Activity**

SÖYÜT H., ULUTAŞ Y., KÖKSAL E.

International Congress of Engineering and Natural Sciences Studies, Turkey, 7 - 09 May 2021

## **Metrics**

Publication: 48

Citation (WoS): 356

Citation (Scopus): 357

H-Index (WoS): 10

H-Index (Scopus): 10

## **Non Academic Experience**

Bayburt Milli Eğitim Müdürlüğü

Gümüşhane Milli Eğitim Müdürlüğü

Özel Erzincan Güven Dershanesi

Bayburt Milli Eğitim Müdürlüğü

Erzurum Milli Eğitim Müdürlüğü