

e-ISSN: 2148-6905

a peer-reviewed
online journal

hosted by DergiPark

International Journal of Secondary Metabolite

Volume: 9

Issue: 3

September 2022

<https://dergipark.org.tr/en/pub/ijsm>

Editor : Prof. Dr. Selami SELVİ
Address : Balıkesir University,
Altınoluk Vocational School, Edremit/Balıkesir, Türkiye
Phone : +90 266 396 1552
E-mail : sselvi@balikesir.edu.tr

Publisher : Prof. Dr. İzzet KARA
Address : Pamukkale University, Education Faculty,
Kinikli Campus, 20070 Denizli, Türkiye
Phone : +90 258 296 1036
Fax : +90 258 296 1200
E-mail : ikara@pau.edu.tr
ijsm.editor@gmail.com

Frequency : 4 issues per year (March, June, September, December)
Online ISSN : 2148-6905
Website : <https://dergipark.org.tr/en/pub/ijsm>

Cover Design: Merve SENTURK

International Journal of Secondary Metabolite (IJSM) is a peer-reviewed and academic online journal.
The scientific and legal responsibility for manuscripts published in our journal belongs to the authors(s).

International Journal of Secondary Metabolite

International Journal of Secondary Metabolite (IJSM) purposes the publication of articles related to secondary metabolites of plant and allied organisms (algae, fungi, and lichens). IJSM is open-access, peer-reviewed academic journal published electronically and quarterly. The journal is the goal to improve the research culture and help knowledge spread rapidly in the academic world by providing a common academic platform in the scope. The journal is published in English.

IJSM is published 4 issues per year (March, June, September, December), and accepting manuscripts related to secondary metabolites of plant and allied organisms (algae, fungi, and lichens). Research areas covered in the journal are phytochemistry, biochemistry, biotechnology, ethnopharmacology, biological and pharmacological activities (antimicrobial activity, antioxidant activity, antiulcer activity, anti-convulsant activity, anti-anxiety activity, antidiabetic activity, anti-gout activity, antiprotozoal activity, anti-inflammatory activity, antispasmodic activity, antiparasitic activity, anti-mutagenic activity, anticholinesterase activity, antidepressant activity, hepatoprotective activity, anti-anxiety activity, anti-convulsant activity, anti-spasmodic activity, anticancer activity). IJSM welcomes the submission of manuscripts that meet the general criteria of significance and scientific excellence. Authors are required to frame their research questions and discuss their results in terms of major questions in plant biology. Contribution is open to researchers of all nationalities. The following types of articles will be considered:

1. Research articles: Original research in various fields of plant and allied organisms (algae, fungi, and lichens) will be evaluated as research articles.
2. Research notes: These include articles such as preliminary notes on a study or manuscripts new records on secondary metabolites.
3. Reviews: Reviews of recent developments, improvements, discoveries, and ideas in various fields of plant and allied organisms (algae, fungi, and lichens) will be requested by the editor or advisory board.
4. Letters to the editor: These include opinions, comments relating to the publishing policy of the International Journal of Secondary Metabolite, news, and suggestions. Letters are not to exceed one journal page.

All articles accepted to the IJSM are published without charge for article submission, review or printing.

Indexes and Databases:

- SCOPUS
- TR Dizin
- EBSCO
- CAB Abstracts
- MIAR
- DOAJ,
- SIS (Scientific Index Service) Database,
- JournalTOCs
- idealonline
- ResearchBib
- CrossRef
- ASOS Index

Editors

Dr. Selami Selvi, *Balikesir University, Türkiye*

Editorial Board

Dr. Akym Assani, *Canadian Food Inspection Agency, Canada*

Dr. Alaattin Sen, *Abdullah Gül University, Türkiye*

Dr. Bui Thanh Tung, *Vietnam National University, Vietnam*

Dr. Ebru Ataslar, *Eskisehir Osmangazi University, Türkiye*

Dr. Eyup Bagci, *Firat University, Türkiye*

Dr. Faik Kantar, *Akdeniz University, Türkiye*

Dr. Fawzi Mahomoodally, *University of Mauritius, Réduit, Mauritius*

Dr. Fethi Ahmet Ozdemir, *Bingol University, Türkiye*

Dr. Gokhan Zengin, *Selcuk Üniversitesi, Türkiye*

Dr. Gurkan Semiz, *Pamukkale University, Türkiye*

Dr. Hakan Akca, *Pamukkale University, Türkiye*

Dr. Haniyeh Bidadi, *University of Tsukuba, Japan*

Dr. Huseyin Servi, *Altinbas University, Türkiye*

Dr. Ibrahim Kivrak, *Mugla Sitki Kocman University, Türkiye*

Dr. Lucian Hriteu, *Alexandru Ioan Cuza University of Iasi, Romania*

Dr. Meriem Elaloui, *National Institute of Research in Rural Engineering, Tunisia*

Dr. Muhammad Akram, *Government College University Faisalabad, Pakistan*

Dr. Mohammad Asadi, *University of Mohaghegh Ardabili, Iran*

Dr. Namik M. Rashydov, *National Academy of Sciences of Ukraine, Ukraine*

Dr. Nazim A. Mamedov, *University of Massachusetts Amherst, USA*

Dr. Oktay Erdogan, *Pamukkale University, Türkiye*

Dr. Ozan Emre Eyupoğlu, *Istanbul Medipol University, Türkiye*

Dr. Sharad Vats, *Banasthali University, India*

Dr. Seyda Kivrak, *Mugla Sitki Kocman University, Türkiye*

Dr. Sibel Silici, *Erciyes University, Turkey*

Dr. Tunhan Demirci, *Suleyman Demirel University, Türkiye*

Dr. Vahid Tavallali, *Payame Noor University, Iran*

Dr. Yesim Kara, *Pamukkale University, Türkiye*

Foreign Language Editor

Dr. R. Sahin Arslan, *Pamukkale University, Türkiye*

Dr. Hatice ALTUN, *Pamukkale University, Türkiye*

Latin Language Editor

Dr. Hasan Genc, *Burdur Mehmet Akif Ersoy University, Türkiye*

Table of Contents

Research Articles

Chemical composition of the essential oil of *Thymus longicaulis* C. Presl. subsp. *longicaulis*

Page: 248-257 **PDF**

Ömer ELKIRAN

Anti-quorum sensing and cytotoxic activity of elemi essential oil

Page: 258-267 **PDF**

Ahu Soyocak, Ayşe Ak, Ebru Önem

Sium sisarum L. var. *lancifolium* (M. Bieb.) Thell -a traditional spice from eastern Anatolia: chemical composition and biological activities

Page: 268-277 **PDF**

Muzaffer Mükemre, Abdullah Dalar, Şengal Bağcı Taylan, Metin Ertaş

Effect of fixation methods and various clones of *Camellia sinensis* var. *sinensis* (L) properties and antioxidant activity of Indonesian green tea

Page: 278-289 **PDF**

M Iqbal Prawira-Atmaja, Fadhilatul Ula, Hilman Maulana, Sugeng Harianto, S Shabri, Dede Zainal Arief

An application of CoFe₂O₄/alginate magnetic beads: drug delivery system of 5-fluorouracil

Page: 305-319 **PDF**

Ayşegül Yıldırım, Yasemin İspirli Doğan

Phenolic compound profile, and evaluation of biological properties of *Bassia muricata* (L.) Asch. aerial part

Page: 335-347 **PDF**

Noura Gheraissa, Ahmed Elkhalifa Chems, Eman Ramadan Elsharkawy, Nezar Cherrada

A research paper on the immunomodulatory and anti-inflammatory activities of olive tree (*Olea europaea* L.) leaf

Page: 348-359 **PDF**

Seda Beyaz, Özlem Gök, Abdullah Aslan

Review Articles

Pharmacological activities of extracts and isolated compounds of *Acalypha Fruticosa* Forssk. (Euphorbiaceae)

Page: 290-304 **PDF**

Vinujan Shanmugalingam, Saravanan Vivekanandarajah Sathasivampillai, Pholtan Rajeev Sebastian

[Carbohydrate active enzyme system in rumen fungi: a review](#)

Page: 320-334 **PDF**

Halit Yücel, Kübra Ekinci

[The importance of *Lavandula stoechas* L. in pharmacognosy and phytotherapy](#)

Page: 360-376 **PDF**

Saliha Şeyma Şahinler, Betül Sever Yılmaz, Cengiz Sarıkürkcü, Bektaş Tepe
