

HELIA

International Sunflower Association Scientific International Journal of Sunflower

e-ISSN: 2197-0483

About Journal;

Scientific Journal HELIA has been published since 1971 biannually online & print versions by ISA (International Sunflower Association) contribution with FAO as well as Institute of Field and Vegetable Crops, Novi Sad, Serbia until 2023. Currently, Helia journal is started to publish by the IRA (International Researchers Association, Turkey) in Pen Publishing platform authorized by International Sunflower Association.

Helia publish twice in a year in June and December, in only online version. It publishes only English language articles.

Objective

HELIA publishes original theoretical, experimental and technical contributions arising from the scientific study of sunflower crops and production.

Topics

Crop agronomy and production

Sunflower genetic resources

Sunflower improvement, breeding and genetic

Sunflower Biotechnology and molecular studies

Sunflower oil and quality

Phytopathology and plant protection

Sunflower physiology

Sunflower marketing, economy and trade

Biochemistry, metabolism, structure, genetics, at diverse levels of integration

Ecology

Soil, water and mineral nutrition management and farming systems

Article formats

Original Articles, Technical Articles (including computer applications), Short Communications, Reports, Letters to the Editor, Hypotheses and Reviews

Your benefits are highly ranked journal devoted to the study of sunflower crops and farming, Recognized editorial board and insightful reviews, Comprehensive outlook on problematic aspects of HELIA's topics.



HELIA

International Sunflower Association Scientific International Journal of Sunflower

Volume 47 Issue 80, June 2024

heliajournal.org

<https://doi.org/10.29329/helia.2024.763>

Publisher

International Researcher Association

Edirne / Türkiye



Editor in Chief

Prof. Dr. Yalçın KAYA
Trakya University, Türkiye

Associate Editor

Zvonimir Sakač, MSc, Serbia

Associate Editor

Dr Ahmet Semsettin TAN, Turkey

Language Editor Statistics Editor

Dr Nicky CREUX Dr James McNellie,
South Africa US

Section Editors

Crop Agronomy, Production Techniques Sunflower Genetic Resources

Dr Maria Duca Dr Daniela Valkova
Moldova Bulgaria

Sunflower Breeding and Genetics Phytopathology and Plant Protection

Dr Brent HULKE Dr Rita BAN
US Hungary

Sunflower Physiology Oil Quality

Dr Philip DEBBAKE Dr Yakov Demurin
France Russia

Economy and Trade Molecular Genetics and Biotechnology

Dr Vladimir MIKLIC Dr Sujatha MULPURI
Serbia India

Editorial Review Board

Dr Begoña Pérez-Vich, Spain	<i>Sunflower Molecular Breeding</i>
Dr Lili Qi, USA	<i>Sunflower Molecular Pathology</i>
Dr Jun Zhao, China	<i>Sunflower Phytopathology</i>
Dr Etienne PILORGE, France	<i>Sunflower Ecology, Production</i>
Dr Abelardo de la Vega, Argentina	<i>Sunflower Breeding</i>
Dr Nicolas LANGLADE, France	<i>Sunflower Molecular Breeding</i>
Dr Kateryna MAKLIAK, Ukraine	<i>Sunflower Breeding</i>
Dr Leonardo VELASCO, Spain	<i>Sunflower Oil Quality</i>
Dr Loren Rieseberg, Canada	<i>Sunflower Wild Species</i>
Dr Stéphane Muños, France	<i>Sunflower Molecular Genetics</i>
Dr Leire Molinero RUIZ, Spain	<i>Sunflower Broomrape Resistance</i>
Dr Philippe DEBAEKE, France	<i>Sunflower Physiology</i>
Dr Norma B PANIEGO, Argentina	<i>Sunflower Diseases</i>
Dr Sandra Cvejic, Serbia	<i>Sunflower Breeding</i>
Dr Dragana Mladinovic, Serbia	<i>Sunflower Biotechnology</i>
Dr Maria Pacureanu, Romania	<i>Sunflower Broomrape</i>
Dr Sinisa Jocic, Serbia	<i>Sunflower Breeding</i>
Dr Saeed Rauf, Pakistan	<i>Sunflower Physiology</i>
Dr Mehdi GHAFFARI, Iran	<i>Sunflower Adaptation</i>

Indexing/Abstracting

1. AGRICOLA (National Agricultural Library)
2. Baidu Scholar
3. CABI (over 50 subsections)
4. CNKI Scholar (China National Knowledge Infrastructure)
5. CNPIEC - cnpLINKer
6. Dimensions
7. EBSCO (relevant databases)
8. EBSCO Discovery Service
9. Genamics JournalSeek
10. Google Scholar
11. Japan Science and Technology Agency (JST)
12. J-Gate
13. JournalGuide
14. JournalTOCs
15. KESLI-NDSL (Korean National Discovery for Science Leaders)
16. MyScienceWork
17. Naver Academic
18. Naviga (Softweco)
19. Primo Central (ExLibris)
20. ProQuest (relevant databases)
21. Publons
22. QOAM (Quality Open Access Market)
23. ReadCube
24. Scilit
25. SCImago (SJR)
26. SCOPUS
27. Semantic Scholar
28. Sherpa/RoMEO
29. Summon (ProQuest)
30. TDNet
31. Ulrich's Periodicals Directory/ulrichsweb
32. WanFang Data
33. WorldCat (OCLC)
34. X-MOL
35. Yewno Discover

Table of Contents

Page
1

Original article
Herbicide tolerance in sunflower and the contribution of Argentinian science to its development
Mariano Bulos, Laura Gianotto

Page
11

Original article
Phenotypic Variability and Correlation of Fatty Acids in Seed Oil of Sunflower Genetic Collection Lines of VNIIMK
Yakov Demurin, Yuliya Chebanova, Tatiana Zemtseva

Page
18

Original article
Development and Food Applications of Sunflower Oils in Argentina
Natalia. G. Izquierdo, Eduardo Dubinsky, Raúl González Belo, Andrés Zambelli

Page
36

Original article
DNA Marker for the HaOr7 Gene Conferring Resistance to the GRU race of Broomrape (Orobanche Cumana Wallr.) in Sunflower
Dmitrii Savichenko, Saida Guchetl, Elizaveta Loginova

Page
52

Original article
Past Contributions and Present Challenges of Sunflower Breeding in Argentina
Abelardo J. de la Vega, Sebastián Zuil, Arnaldo N. Vázquez & Amelia Bertero De Romano

Page
71

Original article
The Study on Determination of Fatty Acid Contents of Some Wild Sunflower Species (Helianthus Spp.)
Yalçın Kaya, Semra Hasançebi, Emrah Akpınar, Müge Koç, Necmi Beşer