Prof. HİLAL AYDIN

Personal Information

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International Researcher IDs
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Education

Doctorate, Ege University, Turkey 1993 - 1998
Postgraduate, Ege University, Turkey 1990 - 1993
Undergraduate, Ege University, Turkey 1984 - 1989

Foreign Languages

English

Dissertations

Doctorate, Dem limanında (Çandarlı Körfezi) fitoplankton populasyon dinamiği üzerine araştırmalar, Ege University, 1998
Postgraduate, İzmir Körfezi fitoplanktonunun gelişimi üzerine sınırlayıcı faktörler, Ege University, 1993

Research Areas

Avesis Research Areas: Environmental Biology, Hydrobiology, Natural Sciences
WoS Research Areas: Biology & Biochemistry, Natural Sciences (Sci)
Scopus Research Areas: Biochemistry (medical)

Academic Positions

Associate Professor, 1998 - Present

Courses

Undergraduate
Hidrobiyoloji II Lab., Undergraduate, 2017-2018

Çevre Biyolojisi, Undergraduate, 2017-2018, 2016-2017, 2015-2016, 2013-2014
Hidrobiyoloji lab2, Undergraduate, 2016-2017

Articles

I. **Investigation of Sedimentary Indicators of Eutrophication and Trace Metal Pollution in the Southern Marmara Sea (Türkiye)**
Kükrer S., Fural Ş., Aykır D., AYDIN H., Yakupoğlu N.
Water, Air, and Soil Pollution, vol.237, no.17, 2026 (SCI-Expanded, Scopus)

II. **Environmental factors influencing the abundance and spatial distribution of modern dinoflagellate cysts in Izmir Bay (Eastern Mediterranean)**
AYDIN H., Uzar S., CİNGÖZ E. E., Küçüksezgin F., Pospelova V.
Marine Pollution Bulletin, vol.205, 2024 (SCI-Expanded, Scopus)

III. **A review of rare, poorly known, and morphologically problematic extant marine organic-walled dinoflagellate cyst taxa of the orders Gymnodiniales and Peridiniales from the Northern Hemisphere**
Mertens K. N., Gu H., Gurdebeke P. R., Takano Y., Clarke D., AYDIN H., Li Z., Pospelova V., Shin H. H., Li Z., et al.
Marine Micropaleontology, vol.159, 2020 (SCI-Expanded, Scopus)

IV. **The dinoflagellate cyst genera Achomosphaera Evitt 1963 and Spiniferites Mantell 1850 in Pliocene to modern sediments: a summary of round table discussions**
Mertens K. N., Van Nieuwenhove N., Gurdebeke P. R., AYDIN H., Bogus K., Bringué M., Dale B., De Schepper S., de Vernal A., Ellegaard M., et al.
Palynology, vol.42, no.sup1, pp.10-44, 2018 (SCI-Expanded, Scopus)

V. **DINOFLAGELLATE CYST STUDIES IN THE SEDIMENTS OF TURKISH COASTAL WATERS AND FUTURE ASPECTS**
Uzar S., AYDIN H., Yurur E. E.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.27, no.5, pp.2800-2808, 2018 (SCI-Expanded)

VI. **Cyst-theca relationship and phylogenetic positions of Scrippsiella plana sp. nov. and S. spinifera (Peridiniales, Dinophyceae)**
Luo Z., Mertens K. N., Bagheri S., AYDIN H., Takano Y., Matsuoka K., McCarthy F. M., Gu H.
European Journal of Phycology, vol.51, no.2, pp.188-202, 2016 (SCI-Expanded, Scopus)

VII. **Relationship between the dinoflagellate cyst Spiniferites pachydermus and Gonyaulax ellegaardiae sp. nov. from Izmir Bay, Turkey, and molecular characterization**
Mertens K. N., AYDIN H., Uzar S., Takano Y., Yamaguchi A., Matsuoka K.
Journal of Phycology, vol.51, no.3, pp.560-573, 2015 (SCI-Expanded, Scopus)

VIII. **Impact of industrial pollution on recent dinoflagellate cysts in Izmir Bay (Eastern Aegean)**
AYDIN H., Yürür E. E., Uzar S., Küçüksezgin F.
MARINE POLLUTION BULLETIN, vol.94, no.1-2, pp.144-152, 2015 (SCI-Expanded, Scopus)

IX. **Dinoflagellate cyst assemblages in surface sediments of southwestern black sea and Çanakkale strait (dardanelles)**
AYDIN H., BALCI M., Uzar S., ÖZDELİCE N.
Fresenius Environmental Bulletin, vol.24, no.12C, pp.4789-4798, 2015 (SCI-Expanded, Scopus)

X. **Modern Dinoflagellate Cyst Assemblages of Aliaga and Nemrut Bay: Influence of Industrial Pollution**
AYDIN H., Yürür E. E., Uzar S., Küçüksezgin F.
TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, vol.15, pp.543-554, 2015 (SCI-Expanded, Scopus, TRDizin)

XI. **Distribution and abundance of modern dinoflagellate cysts from Marmara, Aegean and Eastern Seas of Turkey**
AYDIN H., Uzar S.
Journal of Environmental Biology, vol.35, no.2, pp.413-419, 2014 (SCI-Expanded, Scopus)

XII. **Dinoflagellate cyst assemblages in surface sediments from Homa Lagoon (Izmir Bay, eastern Aegean**

Sea, the Mediterranean)
AYDIN H., Yürür E. E., Uzar S.
Fresenius Environmental Bulletin, vol.23, no.8, pp.1795-1801, 2014 (SCI-Expanded, Scopus)

XIII. **Distribution of dinoflagellate cysts in recent sediments from Izmir Bay (Aegean Sea, Eastern Mediterranean)**
AYDIN H., Matsuoka K., MİNARECİ E.
Marine Micropaleontology, vol.80, no.1-2, pp.44-52, 2011 (SCI-Expanded, Scopus)

XIV. **Dinoflagellate cyst assemblages in the surface sediments from Izmir bay, Aegean sea, Eastern Mediterranean**
Uzar S., AYDIN H., MİNARECİ E.
Scientific Research and Essays, vol.5, no.3, pp.285-295, 2010 (SCI-Expanded, Scopus)

Books

I. **Plankton izleme Klavuzu**
FEYZİOĞLU A. M., TÜFEKÇİ V., YILDIZ İ., TAŞ S., YILMAZ İ. N., BALKIS N., AĞIRBAŞ E., ŞAHİN F., TÜRKOĞLU M., BEŞİKTEPE Ş., et al.
in: Deniz İzleme Klavuzları, , Editor, TÜBİTAK MAM Matbaası Gebze/Kocaeli, Ankara, pp.1-31, 2017

Papers Presented at Peer-Reviewed Scientific Conferences

I. **TÜRKİYE DENİZLERİ DİNOFLAGELLAT KİST ÇALIŞMALARI VE GELECEK HEDEFLER**
AYDIN H., CİNGÖZ E. E.
TÜRKİYE FİKOLOJİ ÇALIŞTAYI, Manisa, Turkey, 25 - 26 April 2024, (Summary Text)

II. **THE IMPACT OF CLIMATIC CHANGES ON TURKISH SEAS**
CİNGÖZ E. E., AYDIN H.
V. INTERNATIONAL CONFERENCE ON AGRICULTURAL, BIOLOGICAL AND LIFE SCIENCE, Edirne, Turkey, 18 - 20 September 2023, (Summary Text)

III. **IMPACT OF CLIMATIC CHANGE ON PHYTOPLANKTON DIVERSITY IN AQUATIC ECOSYSTEMS**
CİNGÖZ E. E., AYDIN H.
THE VI. INTERNATIONAL SYMPOSIUM BIODIVERSITY IN EUROSIA-SEAB 2023, Baku, Azerbaijan, 6 - 08 September 2023, (Summary Text)

IV. **Invasive Phytoplankton Spreadings in the Black Sea**
CİNGÖZ E. E., AYDIN H.
ESENIAS & DIAS Conference 2022, 11 th ESENIAS Workshop, Antalya, Turkey, 13 November 2022, (Summary Text)

V. **Phytoplankton Invasions in the Mediterranean Sea**
AYDIN H., CİNGÖZ E. E.
ESENIAS & DIAS Conference 2022, 11 th ESENIAS Workshop, Antalya, Turkey, 13 November 2022, (Summary Text)

VI. **Musilage Phenomenan in adriatic Sea and Sea of Marmara**
AYDIN H., CİNGÖZ E. E.
ICOMNAS, International Congress On Multidisciplinary Natural Science And Engineering, Ankara, Turkey, 01 December 2021, (Summary Text)

VII. **Kuzey Ege ve Akdeniz Dinoflagellat Kist Toplulukları ve Önemi**
ŞATIR BAĞATUR B., AYDIN H.
24. ULUSAL BİYOLOJİ KONGRESİ, Manisa, Turkey, 10 - 14 September 2018, (Summary Text)

VIII. **Deniz Kirliliği İzleme Çalışmalarında Biyoindikatör olarak Dinoflagellat Kistleri**
AYDIN H.

24. ULUSAL BİYOLOJİ KONGRESİ, Manisa, Turkey, 10 - 14 September 2018, (Summary Text)

IX. **Dinoflagellat cyst assemblages in the surface sediments from iskenderun bay,northeastern mediterranean sea**
YÜRÜR E. E., AYDIN H.
ICOEST 2017, 3RD INTERNATIONAL CONFERENCE ON ENVIRONMENTAL SCIENCE AND TECHNOLOGY, Budapest, Hungary, 19 - 23 November 2017, pp.173, (Summary Text)

X. **Studies of dinoflagellate cysts and ecological importance in and around the seas of Turkey**
AYDIN H., UZAR S., YÜRÜR E. E.
11th INTERNATIONAL CONFERENCE ON MODERN AND FOSSIL DINOFLAGELLATES, Bordeaux, France, 17 - 21 July 2017, pp.0-13, (Summary Text)

XI. **Paleoekolojik Açıdan Marmara Denizi**
AYDIN H., CİNGÖZ E. E.
Marmara Denizi Çalıştayı, Manisa, Turkey, 15 June 2017, (Summary Text)

XII. **Effects of Climate Changes on Aquatic Ecosystems**
YÜRÜR E. E., AYDIN H., UZAR S.
ICAFOF 2017, INTERNATIONAL CONFERENCE ON AGRICULTURE FOREST FOOD SCINCE AND TECHNOLOGIES, Nevşehir, Turkey, 15 - 17 May 2017, pp.821, (Summary Text)

XIII. **On the Ecology of Genus Spiniferites in the Bay of İzmir**
AYDIN H., YÜRÜR E. E., SERDAR U., KÜÇÜKSEZGİN F.
International 2nd workshop on the taxonomy of Pliocene to modern Spiniferites and Achomosphaera, Ghent, Belgium, 6 - 08 July 2015, (Summary Text)

XIV. **A Effect Of Antropogenic Nutrients and Harmful Algae In Coastal Waters**
YÜRÜR E. E., AYDIN H., UZAR S.
ICE 2015, 5th INTERNATIONAL CONFERENCE OF ECOSYSTEMS, TIRANA, Albania, 5 - 08 June 2015, pp.30, (Summary Text)

XV. **Relationship between the dinoflagellate cyst Spiniferites pachydermus and Gonyaulax ellegaardiae sp nov from Izmir Bay Turkey and molecular characterisation**
KENNETH NEIL M., AYDIN H., YOSHIHITO T., SERDAR U., AIKA Y., KAZUMI M.
International 2nd workshop on the taxonomy of Pliocene to modern Spiniferites and Achomosphaera, 6 - 08 July 2015, (Summary Text)

XVI. **A review of harmful algal blooms and eutrophication their effects in coastal waters**
YÜRÜR E. E., AYDIN H., SERDAR U.
5th International Conference of Ecosystems, Tirane, Albania, 5 - 08 June 2015, (Full Text)

XVII. **Assemblages and Distribution of Modern Dinoflagellate Cysts from Izmir Bay (Eastern Mediterranean)**
AYDIN H., YÜRÜR E. E., UZAR S., KÜÇÜKSEZGİN F.
ICOEST, 2nd International Conference on Environmental Science and Technology, SİDE, Turkey, 14 - 17 May 2014, pp.364, (Summary Text)

XVIII. **Distribution of Dinoflagellate cysts depending on the type of sediment in Homa Lagoon (Agean Sea)**
AYDIN H., CİNGÖZ E. E., UZAR S.
International Conference On ENVİRONMENTAL SCINCE and TECHNOLOGY, KAPADOKYA, Turkey, 18 June 2013, (Summary Text)

Funded Projects

TAŞKIN E., DERE Ö., AYDIN H., BİLGİÇ F., MİNARECİ E., MİNARECİ O., Project Supported by Higher Education Institutions, BAP Other, Türkiye Fikoloji Çalıştayı, 2024 - 2024

Peer Reviews in Scientific Publications

Other Journals, April 2025
MARINE MICROPALEONTOLOGY, Other journals, April 2025
TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, Other journals, January 2017

Metrics

Publication: 35
Citation (WoS): 156
Citation (Scopus): 238
H-Index (WoS): 8
H-Index (Scopus): 10