

## Assoc. Prof. Erdinç Aladağ



### Personal Information

**Office Phone:** [+90 432 225 1701](tel:+904322251701) Extension: 28283

**Email:** [erdinc@yyu.edu.tr](mailto:erdinc@yyu.edu.tr)

**Web:** <http://avesis.yyu.edu.tr/erdinc/>

**Address:** Van Yüzüncü Yıl Üniversitesi, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, 65080, Tuşba, VAN



### International Researcher IDs

ScholarID: w\_ivSEcAAAAJ

ORCID: 0000-0003-1354-0930

Publons / Web Of Science ResearcherID: AAA-1620-2022

ScopusID: 56340255200

Yoksis Researcher ID: 40568

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Investigation of lipid production in bubble column photobioreactor by *Botryococcus braunii* and *Chlorella zofingiensis*, Ataturk University, Fen Bilimleri Enstitüsü, Çevre Mühendisliği Anabilim Dalı, 2019

Postgraduate, Design and modelling of activated sludge plant for Erzurum city, Ataturk University, Fen Bilimleri Enstitüsü, Çevre Mühendisliği Anabilim Dalı, 2011

### Research Areas

Environmental Engineering, Environmental Sciences, Environmental Modeling, Environmental Pollution

### Academic Positions

Assistant Professor, Van Yüzüncü Yıl University, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, 2023 - Continues

Research Assistant PhD, Van Yüzüncü Yıl University, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, 2019 - 2023

Research Assistant, Van Yüzüncü Yıl University, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, 2010 - 2019

### Academic and Administrative Experience

Inspection Committee Member, Van Yüzüncü Yıl University, Mühendislik Fakültesi, 2025 - Continues

Deputy Head of Department, Van Yüzüncü Yıl University, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, 2024 - Continues

Erasmus Program Department Coordinator, Van Yüzüncü Yıl University, Mühendislik Fakültesi, Çevre Mühendisliği

## Courses

### Postgraduate

Environmental Sustainability, Postgraduate, 2024 - 2025

Air Pollution Modeling, Postgraduate, 2024 - 2025, 2023 - 2024

Advanced Treatment of Industrial Wastewaters, Postgraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023

Advanced Computer Applications in Environmental Engineering, Postgraduate, 2024 - 2025

### Undergraduate

Environmental Management, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Environmental Policies, Undergraduate, 2021 - 2022, 2020 - 2021

Water Quality and Control, Undergraduate, 2021 - 2022, 2020 - 2021

Wastewater Treatment, Undergraduate, 2021 - 2022

## Supervised Theses

Aladağ E., Biodiesel Production from *Scenedesmus* sp. in Synthetic Dairy Wastewater, Postgraduate, P.AKAR(Student), 2024

Onay M., Aladağ E., Investigation of harvesting effect of microalgae grown in the flat-panel airlift photobioreactor by using various membranes, Postgraduate, E.ERCAN(Student), 2021

## Jury Memberships

Post Graduate, Post Graduate, Van Yüzüncü Yıl Üniversitesi, December, 2024

Post Graduate, Post Graduate, Kastamonu Üniversitesi, July, 2024

## Journal articles indexed in SCI, SSCI, and AHCI

- I. **The Influence of Meteorological Factors on Air Quality in the Province of Van, Turkey**  
Aladağ E.  
WATER, AIR AND SOIL POLLUTION : AN INTERNATIONAL JOURNAL OF ENVIRONMENTAL POLLUTION, vol.234, no.4, pp.1-23, 2023 (SCI-Expanded)
- II. **Production and use of *Scenedesmus acuminatus* biomass in synthetic municipal wastewater for integrated biorefineries**  
Onay M., Aladağ E.  
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.30, no.6, pp.15808-15820, 2023 (SCI-Expanded)
- III. **Investigation of the Treatment of Olive Mill Wastewater by Electrooxidation**  
Kul S., Boncukcuoğlu R., Ekmekyapar Torun F., Reçber Z., Sözüdoğru O., Aladağ E.  
WATER AIR AND SOIL POLLUTION, vol.233, no.10, 2022 (SCI-Expanded)
- IV. **Forecasting of particulate matter with a hybrid ARIMA model based on wavelet transformation and seasonal adjustment**  
Aladağ E.  
Urban Climate, vol.39, 2021 (SCI-Expanded)
- V. **Utilizing mining dam bottom sludge as a novel adsorbent for AuO removal from wastewaters: Batch and column studies**  
Dişli E., Öztürk D., Aladağ E.

JOURNAL OF MOLECULAR LIQUIDS, vol.338, 2021 (SCI-Expanded)

- VI. **Comparison of cationic dyes (Basic Orange 2, Basic Yellow 2 and Basic Violet 3) removal from aqueous solution using clay as an adsorbent**  
Farizoğlu B., Fil B. A., Sözüdoğru O., Aladağ E., Kul S.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.28, no.5, pp.3658-3666, 2019 (SCI-Expanded)
- VII. **Investigation of biodegradation and growth kinetics of dairy wastewater in a batch reactor**  
Bayram T. T., Nuhoglu A., Aladag E.  
BULGARIAN CHEMICAL COMMUNICATIONS, vol.49, no.4, pp.896-900, 2017 (SCI-Expanded)
- VIII. **Adsorptive removal of cationic (BY2) dye from aqueous solutions onto Turkish clay: Isotherm, kinetic, and thermodynamic analysis**  
Sözüdoğru O., Fil B. A., Boncukcuoğlu R., Aladağ E., KUL S.  
Particulate Science and Technology, vol.34, no.1, pp.103-111, 2016 (SCI-Expanded)
- IX. **Adsorption of Methyl Violet Dye a Textile Industry Effluent onto Montmorillonite-Batch Study**  
Aladağ E., Fil B. A., Boncukcuoglu R., Sözüdoğru O., Yılmaz A. E.  
JOURNAL OF DISPERSION SCIENCE AND TECHNOLOGY, vol.35, no.12, pp.1737-1744, 2014 (SCI-Expanded)

## Articles Published in Other Journals

- I. **The Nexus Between Air Pollution and the COVID-19 Pandemic in Turkey: Further Insights from Wavelet Coherence Analysis**  
Aladağ E.  
Aerosol Science and Engineering, vol.8, pp.108-119, 2024 (ESCI)
- II. **Wastewater treatment plant design and modeling for the city of Erzurum**  
Aladağ E., Nuhoglu A.  
Manas Journal of Engineering, vol.11, no.2, pp.190-203, 2023 (Peer-Reviewed Journal)
- III. **Prediction of Air Pollution in Van Province Using ARIMA Model Based on Empirical Mode Decomposition**  
Aladağ E.  
Yüzüncü Yıl Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.28, no.2, pp.495-509, 2023 (Peer-Reviewed Journal)
- IV. **Optimization of Nonlinear Adsorption Isotherm Models by Error Analysis**  
Aladağ E.  
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.13, no.1, pp.200-212, 2023 (Peer-Reviewed Journal)
- V. **N-Glycosylation Profiles of the Green Microalgae Chlorella Zofingiensis**  
Yaman M. E., Aladağ E., Kayılı H. M., Kadioğlu Y., Salih B.  
Hacettepe Journal of Biology and Chemistry, vol.49, no.2, pp.147-155, 2021 (Peer-Reviewed Journal)
- VI. **The Use of Montmorillonite, A Natural Coagulant, for The Treatment of Whey by Coagulation/Flocculation Method**  
Özgüven A., Bayram T., Öztürk D., Aladağ E.  
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.35, no.1, pp.59-66, 2020 (Peer-Reviewed Journal)
- VII. **Characterization of Slaughterhouse Wastewaters and Evaluation of its Treatability**  
Öztürk D., Aladağ E., Yılmaz A. E., Boncukcuoğlu R., Bayram T.  
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.9, no.2, pp.738-748, 2019 (Peer-Reviewed Journal)

## Books

- I. **Utilization of Wastewater in Microalgae Cultivation**  
Aladağ E.  
in: Innovative Approaches to Solving Environmental Problems II, KUL Sinan, KARAKAŞ İbrahim Hakkı, Editor, İksad

## Papers Presented at Peer-Reviewed Scientific Conferences

- I. **Modeling the light-dependent growth kinetics of the green microalga *Chlorella zofingiensis***  
Aladağ E.  
4th Global Conference on Engineering Research, Balıkesir, Turkey, 16 - 19 October 2024, pp.199-206, (Full Text)
- II. **The Determination of the Equilibrium Isotherm Model of Heavy Metal Adsorption Using Montmorillonite Clay**  
Aladağ E., Ünal E.  
4. Uluslararası Türk Dünyası Mühendislik ve Fen Bilimleri Kongresi, Antalya, Turkey, 30 November - 03 December 2023, pp.240-241, (Summary Text)
- III. **Design of a Novel Bubble Column Photobioreactor and Circular Illumination System for Microalgae Cultivation**  
Aladağ E., Onay M., Nuhoglu A.  
3rd Global Conference on Engineering Research, Balıkesir, Turkey, 13 - 16 September 2023, pp.251-258, (Full Text)
- IV. **Bioremediation of Pharmaceuticals from Contaminated Water by Microalgae Culture**  
Yaman M. E., Aladağ E.  
4th International Environmental Chemistry Congress, Antalya, Turkey, 30 October - 02 November 2022, pp.69, (Summary Text)
- V. **Biosorption of heavy metals by microalgae**  
Aladağ E.  
2nd International Conference on Engineering and Applied Natural Sciences, Konya, Turkey, 15 - 18 October 2022, pp.76, (Summary Text)
- VI. **Determination of thermodynamic parameters in the adsorption of cationic dye onto montmorillonite**  
Aladağ E.  
1st International Conference on Innovative Academic Studies, Konya, Turkey, 10 - 13 September 2022, pp.109, (Summary Text)
- VII. **Trend analysis of particulate matter pollution in Iğdir province**  
Aladağ E.  
3rd International Conference on Applied Engineering and Natural Sciences, Konya, Turkey, 20 - 23 July 2022, pp.2484-2489, (Full Text)
- VIII. **N-Glycosylation Profile of the Green Microalgae *Chlorella Zofingiensis***  
Yaman M. E., Aladağ E., Kayılı H. M., Kadioğlu Y., Salih B.  
2nd International Environmental Chemistry Congress, Antalya, Turkey, 31 October - 03 November 2019, pp.68, (Summary Text)
- IX. **Investigation of Adsorption Equilibrium Mechanism of Auramine-O Dye with Bottom Sludge from Damar Waste Dam**  
Dişli E., Öztürk D., Aladağ E.  
2. Uluslararası Türk Dünyası Mühendislik ve Fen Bilimleri Kongresi, Antalya, Turkey, 7 - 10 November 2019, pp.540-547, (Full Text)
- X. **Adsorption of Uranium-238 with Dosit Stone in Column System**  
Türküzü D. A., Dişli E., Selçuk Zorer Ö., Aladağ E., Öztürk D.  
8th International Symposium on IN Situ Nuclear Metrology as a Tool for Radioecology, Aydın, Turkey, 23 - 26 April 2019, pp.52, (Summary Text)
- XI. **Examination of Removal of <sup>238</sup>U with Diatomite in Continuous Flow System**  
Türküzü D. A., Dişli E., Öztürk D., Selçuk Zorer Ö., Aladağ E.  
8th International Symposium on IN Situ Nuclear Metrology as a Tool for Radioecology, Aydın, Turkey, 23 - 26 April 2019, pp.51, (Summary Text)

- XII. **An Evaluation of Solid Waste Management in Erzincan Province**  
Bayram T., Öztürk D., Aladağ E., Erkuş A., Erkuş F. Ş.  
3rd International Conference On Engineering and Natural Sciences, Budapest, Hungary, 3 - 07 May 2017, pp.46,  
(Summary Text)
- XIII. **Aerobic Treatment of Olive Mill Wastewater by Batch Reactor: a Kinetic Study**  
Kul S., Nuhoglu A., Aladağ E.  
International Conference on Civil and Environmental Engineering, Nevşehir, Turkey, 20 - 23 May 2015, pp.1,  
(Summary Text)
- XIV. **Investigation of Color Removal in Textile Wastewater Using Montmorillonite Clay**  
Sözüdoğru O., Aladağ E., Fil B. A., Boncukcuoğlu R., Kul S.  
Sağlıklı Su Yönetimi Kongresi, Erzurum, Turkey, 20 - 22 May 2015, pp.266-269, (Full Text)
- XV. **Adsorption of Basic Yellow 2 from aqueous solutions onto Montmorillonite**  
Sözüdoğru O., Fil B. A., Boncukcuoğlu R., Aladağ E., Kul S.  
International Conference on Civil and Environmental Engineering, Nevşehir, Turkey, 20 - 23 May 2015, pp.132,  
(Summary Text)
- XVI. **Effect of Dilution Ratio, Support Electrolyte Type and Current Density on the Removal of Turbidity from Pistachio Processing Wastewater**  
Fil B. A., Boncukcuoğlu R., Yılmaz A. E., Kul S., Aladağ E., Sözüdoğru O.  
Sağlıklı Su Yönetimi Kongresi, Erzurum, Turkey, 20 - 22 May 2015, pp.240-244, (Full Text)
- XVII. **Investigation of Electrooxidation of Pistachio Processing Wastewater in Acidic Media with Graphite Anode: Effect of Support Electrolyte Type and Support Electrolyte Concentration**  
Fil B. A., Boncukcuoğlu R., Yılmaz A. E., Kul S., Aladağ E., Sözüdoğru O.  
Sağlıklı Su Yönetimi Kongresi, Erzurum, Turkey, 20 - 22 May 2015, pp.249-252, (Full Text)

## Funded Projects

- Dişli E., Öztürk D., Aladağ E., Project Supported by Higher Education Institutions, Tekstil Endüstrisi Atıksularının Doğal Montmorillonit Kullanılarak Adsorpsiyonunun İzoterm Denge Çalışmaları İle İncelenmesi, 2017 - 2018
- Dişli E., Öztürk D., Aladağ E., Project Supported by Higher Education Institutions, Dip Çamuru Kullanılarak Uranin Acid Yellow 73 Boyar Maddesinin Kesikli ve Kolon Tipi Reaktörde Gideriminin İncelenmesi, 2017 - 2018
- Bayram T., Aladağ E., Öztürk D., Project Supported by Higher Education Institutions, Pilot Peynir Fabrikası Atıksularının Koagülasyon ve Flokülasyon Prosesiyle Arıtlabilirliği, 2017 - 2017
- Bayram T., Öztürk D., Aladağ E., Project Supported by Higher Education Institutions, Mezbahane atık sularının karakterizasyonu ve arıtlabilirliğinin değerlendirilmesi, 2016 - 2017
- Komesli O. T., Aladağ E., Sözüdoğru O., Project Supported by Higher Education Institutions, Ağır Metal Mikrokirliliği İçeren Atıksuların Granül Aktif Karbon Membran Biyoreaktör sistemi ile Arıtımı, 2014 - 2016
- Nuhoglu A., Aladağ E., Fil B. A., Cengiz İ., Değermenci N., Project Supported by Higher Education Institutions, Evsel Atıksuların Aktif Çamur Prosesinde Arıtımının İncelenmesi ve Kinetik Parametrelerin Belirlenmesi, 2014 - 2016
- Nuhoglu A., Aladağ E., Sözüdoğru O., Project Supported by Higher Education Institutions, Sulu Ortamlardaki Organik Kirlenmelerin Kil Türü Adsorbentler Montmorillonite Kullanılarak Giderilmesi, 2013 - 2015

## Activities in Scientific Journals

Journal of the Turkish Chemical Society, Section A: Chemistry, Technical Redactor, 2023 - 2024

## Peer Reviews in Scientific Publications

İğdir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, November 2023

Earth Systems and Environment, Journal Indexed in ESCI, November 2023  
Yüzüncü Yıl Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, October 2023  
Earth Systems and Environment, Journal Indexed in ESCI, September 2023  
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, Journal Indexed in SCI-E, September 2023  
URBAN CLIMATE, Journal Indexed in SCI-E, September 2023  
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, January 2023  
Mühendislik Bilimleri ve Tasarım Dergisi, National Scientific Refreed Journal, March 2020  
JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING, Journal Indexed in SCI-E, July 2016  
ENVIRONMENTAL PROGRESS AND SUSTAINABLE ENERGY, Journal Indexed in SCI-E, February 2014  
FRONTIERS OF ENVIRONMENTAL SCIENCE AND ENGINEERING IN CHINA, Journal Indexed in SCI-E, June 2013

## **Metrics**

Publication: 34  
Citation (WoS): 106  
Citation (Scopus): 111  
H-Index (WoS): 5  
H-Index (Scopus): 5

## **Awards**

Aladağ E., International Scientific Publications Incentive Program, Tübitak, January 2023  
Aladağ E., International Scientific Publications Incentive Program, Tübitak, January 2022  
Aladağ E., International Scientific Publications Incentive Program, Tübitak, December 2021