

## Prof. SELİM LATİF SANİN

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Duke University, Graduate School, Civil And Environmental Engineering, United States Of America 1991 - 1996

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Çevre Mühendisliği Bölümü, Turkey 1986 - 1989

Undergraduate, Middle East Technical University, Faculty Of Engineering, Department Of Environmental Engineering, Turkey 1981 - 1986

### Dissertations

Doctorate, Bacterial Transport in Porous Media, Duke University, Civil And Environmental Engineering, 1996

Postgraduate, Determination of environmental distribution of some toxic and non-toxic substances in selected basin "studies on quality of environmental data", Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, 1989

### Research Areas

Environmental Engineering, Environmental Technology, Waste Water Collection and Treatment, Industrial and Hazardous Waste Management, Engineering and Technology

### Academic Titles / Tasks

Associate Professor, Hacettepe University, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, 2012 - Continues

### Courses

ENV 739 FATE AND TRANSPORT OF CONTAMINANT, Postgraduate, 2016 - 2017

ENV 637 - ÇEVRE MÜHENDİSLİĞİ UYGULAMALARINDA HESAPLAMA YÖNTEMLERİ, Doctorate, 2016 - 2017

### Advising Theses

SANİN S. L., Evaluation of hazardous waste management system in Turkey, Postgraduate, E.ATEŞ(Student), 2017

SANİN S. L., Removal of nitrate from domestic wastewaters using algae, Postgraduate, M.IZHAR(Student), 2016

SANİN S. L., AKBULUT A., Arthrospira platensis Gomont 1892 ve Chlorella vulgaris Beyerinck [Beijerinck] 1890 türlerinin nütrient giderim kapasitelerinin karşılaştırılması, Postgraduate, R.REZAEI(Student), 2016

SANİN S. L., Amoxicillin and ampicillin removal from wastewater by fenton and photo-fenton processes, Postgraduate, A.NIKRAVAN(Student), 2015

SANİN S. L., Havza sürdürülebilirlik indeksinin Türkiye'de uygulanması: Ergene havzası örneği, Postgraduate, C.GÖK(Student), 2015

SANİN S. L., Mikrobiyal yakıt hücrelerinde membran ve işletme şartlarındaki değişimin güç üretimine etkisi, Postgraduate, E.ÖZCAN(Student), 2013

SANİN S. L., Eymir Gölü'nde reaktif azot döngüsünün incelenmesi, Postgraduate, E.ÖĞÜN(Student), 2012

SANİN S. L., Endosulfanın biyolojik parçalanması için biyobariyer kullanımı ve mikroorganizma türlerinin belirlenmesi, Doctorate, A.BİLGİN(Student), 2011

SANİN S. L., SAYDAM A. C., Sahra tozunun biyolojik arıtım prosesine olan etkilerinin araştırılması, Postgraduate, S.EREN(Student), 2006

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

- I. **INVESTIGATION OF THE ELECTRICAL POTENTIAL OF WHEY USING A RIVER SEDIMENT MICROBIAL FUEL CELL**  
Ates E., SANİN S. L.  
BULLETIN OF THE CHEMICAL SOCIETY OF ETHIOPIA, no.5, pp.1479-1491, 2024 (SCI-Expanded)
- II. **Fungal biosorption of cadmium(II) onto Fennelia nivea from aqueous solution: equilibrium, thermodynamics, and kinetics**  
ARACAGÖK Y. D., Ogun E., TORUN M., Akyil H., CİHANGİR N., Sanin S. L.  
DESALINATION AND WATER TREATMENT, vol.222, pp.386-393, 2021 (SCI-Expanded)
- III. **Isolation and Identification of Endosulfan Degrading Native Bacterial Consortium from Agricultural Soils**  
BİLGİN A., SANİN S. L.  
WASTE AND BIOMASS VALORIZATION, vol.11, no.7, pp.3303-3313, 2020 (SCI-Expanded)
- IV. **Effect of algae acclimation to the wastewater medium on the growth kinetics and nutrient removal capacity**  
REZAEİ R., AKBULUT A., SANİN S. L.  
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.191, no.11, 2019 (SCI-Expanded)
- V. **PUBLIC PERCEPTION OF ENVIRONMENTAL RISK IN TURKEY**  
BİLGİN A., SANİN S. L.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.26, pp.478-484, 2017 (SCI-Expanded)
- VI. **Temperature and Concentration Effects on Biodegradation Kinetics and Surface Properties of Phenol Degrading Rhodotorula glutinis**  
BOSCA A. V., SANİN S. L.  
JOURNAL OF RESIDUALS SCIENCE & TECHNOLOGY, vol.12, no.3, pp.183-189, 2015 (SCI-Expanded)
- VII. **REMEDIATION OF ENDOSULFAN USING ZEOLITE BIOBARRIER**  
Bilgin A., SANİN S. L.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.23, pp.3272-3277, 2014 (SCI-Expanded)
- VIII. **Special issue: Facing sludge diversities: Challenges, risks, and opportunities - Forward**  
FİLİBELİ A., AYOL A., SANİN F. D., SANİN S. L.  
JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING, vol.43, no.13, pp.1483, 2008 (SCI-Expanded)
- IX. **Effect of change in carbon source on the dewaterability of xenobiotic degrading mixed culture**  
Sanin S. L., Yilmaz G.  
JOURNAL OF RESIDUALS SCIENCE & TECHNOLOGY, vol.3, no.4, pp.211-216, 2006 (SCI-Expanded)
- X. **Effect of Saharan dust on biodegradation of phenol by white rot fungi**

Sanin S. L., Arisoy M., Tipirdamaz R., Saydam C.

BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.75, no.3, pp.466-473, 2005 (SCI-Expanded)

- XI. **Effect of starvation on resuscitation and the surface characteristics of bacteria**  
Sanin S. L.  
JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING, vol.38, no.8, pp.1517-1528, 2003 (SCI-Expanded)
- XII. **Effect of starvation on the adhesive properties of xenobiotic degrading bacteria**  
Sanin S. L., Sanin F., Bryers J.  
PROCESS BIOCHEMISTRY, vol.38, no.6, pp.909-914, 2003 (SCI-Expanded)
- XIII. **Laboratory study of NO flux from agricultural soil: Effects of soil moisture, pH, and temperature**  
Ormeçi B., Sanin S. L., Peirce J.  
JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES, vol.104, no.D1, pp.1621-1629, 1999 (SCI-Expanded)
- XIV. **RESUSCITATION OF STARVED ULTRAMICROBACTERIA TO IMPROVE IN-SITU BIOREMEDIATION**  
BRYERS J., SANIN S. L.  
BIOCHEMICAL ENGINEERING VIII, vol.745, pp.61-76, 1994 (SCI-Expanded)
- XV. **Concentrations and distributions of some major and minor elements in the sediments of the River Göksu and Taşucu delta, Turkey**  
Sanin S. L.  
MARINE POLLUTION BULLETIN THE INTERNATIONAL JOURNAL FOR MARINE ENVIRONMENTALISTS, SCIENTISTS, ENGINEERS, ADMINISTRATORS, POLITICIANS AND LAWYERS, vol.24, no.3, pp.167-169, 1992 (SCI-Expanded)

## Books & Book Chapters

- I. **BÖLÜM 42: Reaksiyon Mekanizmaları: Fotosentez, Hidroliz ve Biyolojik Bozınma**  
SANİN S. L.  
in: Yüzeysel Su Kalitesi Modelleme Surface Water Quality Modeling, Gülfem Bakan, Editor, Nobel Akademik YayıncılıkEğitim DanışmanlıkTicaret Ltd., Ankara, pp.739-757, 2015
- II. **Bölüm 45: Toksik Madde/Besin/Zinciri Etkileşimi**  
SANİN S. L.  
in: Yüzeysel Su Kalitesi Modelleme Surface Water Quality Modeling, Gülfem Bakan, Editor, Nobel Akademik YayıncılıkEğitim DanışmanlıkTicaret Ltd., Ankara, pp.784-798, 2015
- III. **BÖLÜM 43: Radyonükleoitler ve Metaller**  
SANİN S. L.  
in: Yüzeysel Su Kalitesi Modelleme Surface Water Quality Modeling, Gülfem Bakan, Editor, Nobel Akademik Yayıncılık Eğitim Danışmanlık Ltd., Ankara, pp.757-769, 2015
- IV. **BÖLÜM 41: Kütle Transfer Mekanizmaları: Fotosentez, Hidroliz ve Biyolojik Bozınma**  
SANİN S. L.  
in: Yüzeysel Su Kalitesi Modelleme Surface Water Quality Modeling, Gülfem Bakan, Editor, Nobel Akademik Yayıncılık Eğitim Danışmanlık Ltd.Şti, Ankara, pp.715-739, 2015

## Refereed Congress / Symposium Publications in Proceedings

- I. **Environmental Impact of Priority Pollutants on Ecosystem at low concentrations**  
BAYSAL FURTANA G., GÖMÜRGEN A. N., TIPIRDAMAZ R., SANİN S. L.  
International Symposium Ecology 2018 Kastamonu Turkey, Kastamonu, Turkey, 19 - 23 June 2018
- II. **The Effects of Granweed and Endosulfan on Antioxidant Enzyme Activities in Allium cepa L.**  
BAYSAL FURTANA G., GÖMÜRGEN A. N., SANİN S. L., TIPIRDAMAZ R.  
POG (Plant Oxygen Group) 2017, KUŞADASI/AYDIN, Turkey, 10 - 13 September 2017

- III. **Cytotoxic and Genotoxic Effects of Endosulphan**  
GÖMÜRGEN A. N., BAYSAL FURTANA G., SANİN S. L., TIPIRDAMAZ R.  
Ecology 2017 International Symposium, Kayseri, Turkey, 11 - 13 May 2017
- IV. **The Effects of Endosulfan on Growth and Lipid Peroxidation in Allium cepa**  
BAYSAL FURTANA G., GÖMÜRGEN A. N., SANİN S. L., TIPIRDAMAZ R.  
Ecology 2017 International Symposium, Kayseri, Turkey, 11 - 13 May 2017
- V. **“Evaluation of genotoxic and cytotoxic risks of untreated and treated municipal waste water.”**  
TIPIRDAMAZ R., GÖMÜRGEN A. N., BAYSAL FURTANA G., SANİN S. L.  
ICAW 2017 Commet assay workshop, Pamplona, Spain, 29 - 31 August 2017
- VI. **Cadmium (II) Biosorption from Aqueous Solutions by Fennelia nivea Powder: Effect of Physicochemical Conditions**  
ÖĞÜN E., ARACAGÖK Y. D., CİHANGİR N., SANİN S. L.  
ICOCEE International Conference on Civil and Environmental Engineering, Turkey, 8 - 10 May 2017

## Supported Projects

- SANİN S. L., Project Supported by Higher Education Institutions, Hacettepe Üniversitesi Mühendislik Fakültesi Tehlikeli Atık Yönetim Sistemi Projesi, 2009 - Continues
- SANİN S. L., Project Supported by Higher Education Institutions, IWA Çamur Yönetimi Uzmanlar Konferansı Sludgetech 2017, 2017 - 2021
- GÜR T. H., SANİN S. L., KAYMAZ M. E., ASENA ÖZCAN P., Project Supported by Higher Education Institutions, Hacettepe Üniversitesi Uluslararası Derecelendirme, 2016 - 2018
- SANİN S. L., Project Supported by Higher Education Institutions, IWA Dünya Su Kongresi 2016, 2016 - 2017
- SANİN S. L., Project Supported by Higher Education Institutions, ISMET 2015 5Uluslararası Mikrobiyal Elektrokimya ve Teknolojileri Toplantısı, 2015 - 2016
- SANİN S. L., Project Supported by Higher Education Institutions, Biyobariyer kullanarak yeraltı suyundan nitrat arıtım performansının incelenmesi, 2008 - 2016

## Metrics

- Publication: 26  
Citation (WoS): 176  
Citation (Scopus): 191  
H-Index (WoS): 5  
H-Index (Scopus): 4

## Non Academic Experience

- Hacettepe Üniversitesi  
Türkiye Çevre Vakfı