

Dr. CİHAN BOSTANCI

Web site: cihanbostanci.com

e-mail: contact@cihanbostanci.com

Languages: Turkish (Main), English (Proficiency)

RESEARCH AND TEACHING INTERESTS

Microbial biosensors, renewable energy, biofuel, environmental microbiology, microbial corrosion.

EDUCATION

- Ph.D. - Faculty of Science; Department of Biology** 2016 – 2023
Ankara University Ankara TURKEY
- Thesis: Determination of heavy metals in aqueous solutions via microbial biosensors.
- M.Sc. - Faculty of Science; Department of Biology** 2014 – 2016
Ankara University Ankara TURKEY
- Thesis: Determination of bioethanol production capacities of peanut and hazelnut shells.
- B.Sc. - Faculty of Science; Department of Biology** 2009 - 2013
Hacettepe University Ankara TURKEY

AWARDS AND ACHIEVEMENTS

- Young Ambassador to Turkey U.S.A
- American Society for Microbiology
- The Council of Higher Education (YOK) TURKEY
- Ph.D. Scholarship – 100/2000 Scholarship Programme
- Scientific and Technological Research Council of Turkey (TUBITAK) TURKEY
- Ph.D. Scholarship – 2211/C
- International Centre for Genetic Engineering and Biotechnology (ICGEB) EUROPE
- Junior Scientist Grant for Power of Microbes 2019

RELATED WORK EXPERIENCE

- Visiting Student Researcher** Jan 2021 – Feb 2022
Dublin City University, DCU, Supervised by Assoc. Prof. Dr. Aoife Morrin Dublin IRELAND
- Teaching and Research Assistant** 2016 - 2023
Ankara University Ankara TURKEY
- Visiting Student Researcher** May 2015 – Oct 2015
University of Bonn, INRES, Supervised by Prof. Dr. Michael Frei Bonn GERMANY
- Internship** Summer 2012
Hacettepe University Hospital – Clinical Microbiology Ankara TUREY

CONFERENCES AND PRESENTATIONS

-Oral Presentations

C.Bostancı, H. Nazır, G.Dönmez, A voltammetric microbial biosensor to detect Pb(II) in aqueous solutions, Microbe 2022- American Society for Microbiology, Washington DC, USA, June 2022

C. Bostancı, S.E. Karatay, G. Dönmez, The alternative usage of hazelnut shell for biofuel production, EURASIANSCIENTECH Congress, Ankara, Turkey, November, 2018.

E. Demiray, C. Bostancı, S.E. Karatay, G. Dönmez, Enzymatic hydrolysis of apricot pomace for bioethanol production by three yeasts, EURASIANSCIENTECH Congress, Ankara, Turkey, November, 2018.

-Poster Presentations

C.Bostancı, H. Nazır, G.Dönmez, A Cost Efficient Microbial Biosensor to Detect Pb(II) in Low Concentrations, Microbe 2023- American Society for Microbiology, USA, June 2023

C.Bostancı, H. Nazır, G.Dönmez, Low-cost microbial biosensor to detect Pb(II) in aqueous solutions, Microbe 2021- American Society for Microbiology, USA, June 2021

C.Bostancı, H. Nazır, G.Dönmez, High sensitive whole cell microbial biosensor to determine lead in aqueous solutions, 20th Euroanalysis, Turkey, 1-5 September, 2019.

C.Bostancı, H. Nazır, G.Dönmez, Microbiologically influenced corrosion of copper by Gram-negative bacteria isolated from Eymir Lake, Power of microbes in industry and environment, Croatia, 15-18 May, 2019.

C. Bostancı, S.E. Karatay, N.K. Kılıç, G. Dönmez, Development of alternative pretreatment method for bioethanol production from peanut shells, Power of microbes in industry and environment, Krk, Croatia, 28 September- 01 October, 2016.

C. Bostancı, N.K. Kılıç, G. Dönmez, S. Dönmez, Enhancement of bioethanol production from peanut shells with soy flour supplementation, FEBS Journal 281 (Suppl. 1) 39th FEBS Congress, page 561, Paris, France, September, 2014.

PUBLICATIONS

C.Bostancı, H. Nazır, G.Dönmez, 2023. An investigation of Pseudomonas marincola to determine Pb(II) biosensor potential, Communications Faculty of Sciences University of Ankara Series C Biology, doi: 10.53447/communc.1184290

C.Bostancı, S.E. Karatay, G. Dönmez, 2019. Bioethanol production from peanut shell, The Journal of Food, doi: 10.15237/gida.GD18091

A. Naz, S. Reinert, C. Bostancı, B. Seperi, J. Léon, C. Boettger, K.H. Suedekum and M. Frei, 2017. Mining the global diversity for bioenergy traits of barley straw: genome wide association study under varying plant water status, Global Change Biology Bioenergy, doi: 10.1111/gcbb.12433.

SKILLS and CERTIFICATES

HPLC and Method development - The Swiss Consulting, 2020, **GC and Method development** - The Swiss Consulting, 2020, **Good Laboratory Practice** - Gedik University, 2020, **Good Hygiene Practice** - Gedik University, 2020, **Good Manufacturing Practice** – Gedik University, 2020

MEMBERSHIPS

Turkish Society for Microbiology – Member

2014- Present

American Society for Microbiology – Member

2016 - Present

HOBBIES

Politics, Literature, Recent History, Tennis, Painting