

Assist. Prof. Esra Demirdöğen

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Esra Demirdöğen started her academic career at Ege University where she obtained her undergraduate and post graduate degrees. After completing her PhD she left for US Potsdam University and then she worked in more than 10 countries as Project research member and as lecturer. She joined Çankırı Karatekin University in 2009 and since then she is working as an academic at Department of Chemistry, Faculty of Science. However, she still pays visits as invited academic to different universities abroad among which can be named Lunds University, Center for Analysis and Synthesis, Sweden, University of Sarajevo, Faculty of Agriculture and Food Sciences, Bosnia & Herzegovina, Quaid-e-Azam University, Faculty of Science, Department of Chemistry, Pakistan,

International Eco Energy Academia, Azarbeijan.

Her research area covers a wide range of topics focused on green chemistry and sustainable technologies. At the beginning she mainly focused on environmental chemistry but then she worked on waste recovery mainly recovery of pure lead from scrap lead plates and she developed green production method for producing pure lead oxide. However, in an effort to monitor and determine nuclear fuels she worked on sorption and on-line preconcentration of thorium in her PhD. However, in her post doctoral studies she got engaged with bioanalytical chemistry and green technologies. Her current research area is supercritical fluid technology (SCF) and SCF assisted electro-deposition techniques.

Esra Demirdöğen has coordinated many international projects and established chemistry departments and green chemistry centers both in Turkey and abroad. Since she values scientific activities very much she has organized more than five international conferences and contributed to many scientific conferences and meetings as member of organizing committee and scientific committee. She also has welcomed invitations as invited speaker in international conferences and meetings and has made more than 100 oral presentations in international meetings held both in Turkey and abroad and more than 40 oral presentations in national meetings.

She has published more than 30 articles in international peer-reviewed journals. She also published 1 research book, 2 laboratory books and lately edited and translated the book *Green Chemistry And Engineering: A Practical Design*, published by Nobel Publishing house in December 2016. She still serves as editor in some distinguished journals and as reviewer for more than 20 journals.

She is an active member of Green Chemistry Association, Oregon University, US, Green Technology Group, Lunds University, Sweden, International Hydrology Sciences Association and Hydrology Center, UK, Swedish and Danish Chemical Societies and SusChem (Sustainable Chemistry) Organization. Through her efforts of many years, finally, together with her colleagues, she established Green Chemistry and Sustainable Technology Group in Turkey. The group is very young but dynamic. It consists of more than 10 academics and their post-graduate students.

Esra Demirdöğen has supervised many under- and post-graduate students. She has many on-going national and international research projects funded by honorable institutions such as TÜBİTAK, YOK, HEC and Hastor Foundation. She has become the contact person for higher education commissions, organizations and universities of the countries she worked in.