

Pro. Ayhan Demirbas*Professor, Industrial Engineering Department, King Abdulaziz University***Education**

<i>Degree</i>	<i>Field of Study</i>	<i>Institution</i>	<i>Year</i>
PhD	Department of Chemical Engineering, Ankara University	Institute of Science & Technology (Karadeniz Technical University)	1977-1980
M Sc.	Department of Chemical Engineering, Ankara University,	Institute of Science & Technology (Karadeniz Technical University)	1972-1973
B Sc.	Department of Chemical Engineering, Ankara University, 1969-1972	Institute of Science & Technology (Karadeniz Technical University)	1969-1972

Academic Experience

<i>From</i>	<i>To</i>	<i>Institution</i>	<i>Rank</i>	<i>Title (Chair, Coordinator, etc.)</i>	<i>Full or Part Time</i>
2013		Adiyaman University	Professor		
2009	2013	Energy Systems Engineering Department, Sirtak University, Sirtak, Turkey.	Professor		
2008	2008	Chemical Engineering Department, Girne Auburn University, Alabama, USA.	Professor		
2003	2007	Chemical Engineering Department, Selcuk University, Konya, Turkey.	Professor		
2000	2003	Sila Science, Trabzon, Turkey	Professor		
1991	2000	Chemical Education Department, Karadeniz Technical University, Trabzon, Turkey	Professor		
1986	1991	Chemical Education Department, Karadeniz Technical University, Trabzon, Turkey	Associate Professor		
1982	1986	Chemical Engineering Department, Selcuk University, Konya, Turkey.	Associate Professor		
1980	1982	Chemical Engineering Department, Karadeniz Technical University, Trabzon, Turkey	Assistant		
1976	1980	Chemical Engineering Department, Karadeniz Technical University, Trabzon, Turkey	Assistant		
1973	1976	Chemical Engineer, MTA Institute, Ankara, Turkey	Chemical Engineer		

Non Academic Industrial Experience (including Consultations)

<i>From</i>	<i>To</i>	<i>Company/Entity</i>	<i>Title</i>	<i>Position Description (Brief)</i>	<i>Full or Part Time</i>
1986	1991	Karadeniz Technical University, Educational Faculty, Trabzon		Head of Math. And Science Education Dept	
2009	2012	Dean of Engineering Faculty & Vice Rector, Sirtak University,		Dean of Engineering	

2009	2012	Sirnak, Turkey Vice Rector, Sirnak University, Sirnak, Turkey.	Vice Rector
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Funded Research Projects and Patents from the Past Five Years

1. Researches on Renewable Energy Technologies (Biodiesel, Biofuels, Biomass Pyrolysis, Liquefaction and Gasification, Biogas, Bioalcohols and Biohydrogen)
2. Researches area is mainly concerned with renewable and sustainable energy related to environmental issues.
3. Other than this, he has some interest on developing new methods pulp from plants especially annual ones. In his earlier works he has used organosolvation techniques as new methods for processing of pulp.
4. Studies on the subjects of chemical thermodynamics and engineering thermodynamics, cement chemistry, potentiometric titrations in non-aqueous mediums, heavy metal determinations in mushrooms, supercritical fluid extraction of different biopolymeric materials, briquetting of biomass, chemical education, energy education, kinetics for non-isothermal flash pyrolysis of hazelnut shell and biomass, determination of the higher heating values of different biomass and vegetable oils using noncalorimetric methods, dehydration kinetics of some boron minerals, toxic mineral determinations in mushrooms and chicken meats, sulfur removal from coal using alkali from biomass ashes, toxic emissions from firing and co-firing processes, global climate change, bio-diesel, hydrogen, hazardous materials, persistent, organic pollutants, spectrophotometric determination of carbaryl pesticides in soil, drinking water and, creal analyses etc. Water treatment and quality control by fuzzy sets and system

Certifications and Professional Registrations

Current Membership in Professional Societies and Organizations

<i>Society/organization</i>	<i>Rank</i>	<i>Member Since</i>
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Honours and Awards

Institutional and Professional Services (*administration, committees, units, etc.*)

Principal Publications/Presentations from the Past Five Years

1. Saidur R, Abdelaziz EA, Demirbas A, Hossain MS, Mekhilef S. Review on biomass as a fuel for boilers. *Renewable and Sustainable Energy Reviews* 2011;15 2262–2289
2. Demirbas A. Waste management, waste resource facilities and waste conversion processes. *Energy Conversion and Management* 2011;52:1280-1287.
3. Demirbas A. Biodiesel from oilgae, biofixation of carbon dioxide by microalgae: A solution to pollution problems. *Applied Energy* 2011;88:3541-3547.
4. Demirbas A. Methylation of wood fatty and resin acids for production of biodiesel. *Fuel* 2011;90:2273-2279.
5. Demirbas A. Waste management, waste resource facilities and waste conversion processes. *Energy Conversion and Management* 2011;52:1280-1287.
6. Demirbas A. Importance of algae oil as a source of biodiesel. *Energy Conversion and Management* 2011;52:1280-1287.
7. Demirbas A. Financial integration and economic growth in the Europe Union. *Soc Politic Econ Cul Res* 2010;2:1-27.

Recent Professional Development Activities (*Workshops, training, etc.*)