Assoc. Prof. Dr. Leyla OZGENER

EDUCATION			
Degree	**University**	**Department / Program**	**Years**
Ph.D.	Ege University	Mechanical Engineering/Thermodynamics Science Branch	2005
	Dokuz Eylül University	Mechanical Engineering	2002
M.Sc.	Dokuz Eylül University	Mechanical Engineering-English Preparatory Year	2000
B.Sc.	Pamukkale University	Mechanical Engineering	1998

CONTACT INFORMATION	
Address	Department of Mechanical Engineering Manisa Celal Bayar University, TR 45140, Muradiye, Manisa, Turkey
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Web	http://www.ozgeners.com

POSITIONS & EMPLOYMENT		
Affiliation	**Position**	**Years**
Cornell School of Chemical & Biomolecular Engineering, Cornell Energy Institute, Cornell University, New York, USA	Associate Professor	May/2012 May/2013
University of South Florida, Tampa, Florida, ABD	Professor	2016
Yasar University, Izmir, Turkey	Adjunct Associate Professor	2016-2018
Celal Bayar University, Manisa, Turkey	Associate Professor	2011-
Celal Bayar University, Manisa, Turkey	Assistant Professor	2009-2011
Celal Bayar University, Manisa, Turkey	Lecturer	2006-2009
Ege University, Izmir, Turkey	Lecturer	2004-2005
Ege University, Solar Energy Institute, Izmir, Turkey	Associate Professor	2019-

INTERNATIONAL COLLABORATIONS
Institution
Prof. Dr. Jefferson W. Tester Croll Professor of Sustainable Energy Systems Director, Cornell Energy Institute Cornell University, Ithaca, New York, USA
Prof. Dr. D. Yogi Goswami John and Naida Ramil Professor and Co- Director Clean Energy Research Center, University of South Florida, Tampa, Florida, USA
Prof. Dr. L. Kazmerski National Renewable Energy Laboratory (NREL), Golden, Colorado, USA

ADMINISTRATIVE ACTIVITIES & COMMITTEE MEMBERSHIP		
Affiliation	**Position**	**Years**
Celal Bayar University	Head of Energy Program	2006-2014
Manisa Celal Bayar University	Head of Energy Program	2018-2019

THESIS	
M.Sc.	*Modeling and analyzing the vibrations on a travelling truck cabin by computer aid*, *Natural and Applied Sciences, Mechanical Engineering –Dokuz Eylul University;2002.*
Ph.D.	*Ozgener L. Exergoeconomic analysis of geothermal district heating systems. Natural and Applied Sciences, Mechanical Engineering -Thermodynamics Branch, Ege University; 2005, 102 p.*

Research Interests	Thermodynamics, Energy, Energy Technology, Energy Economy, Renewables

ORIGINAL PUBLICATIONS	
Articles Published in Journals Indexed by SCI	
1	Ozgener O, **Ozgener L,** Goswami DY. 2017. Seven years energetic and exergetic monitoring for vertical and horizontal EAHE assisted agricultural building heating. *Renewable and Sustainable Energy Reviews* 80C:175-179.
2	Neseli MA, Ozgener O, **Ozgener L.** 2017. Thermo-mechanical exergy analysis of natural gas pressure reduction stations (PRS): Marmara Eregli case study *Renewable and Sustainable Energy Reviews 77:80-88.*
3	Yener D, Ozgener O, **Ozgener L**. 2017. Prediction of soil temperatures for shallow geothermal applications in Turkey. *Renewable and Sustainable Energy Reviews* 70, 71-77.
4	Ozgener O, **Ozgener L.** 2015. Modeling of driveway as a solar collector for improving efficiency of solar assisted geothermal heat pump system: A case study.*Renewable and Sustainable Energy Reviews* 46:210-217.
5	Ersayin E, **Ozgener L.** 2015. Performance analysis of combined cycle power plants: A case study. *Renewable and Sustainable Energy Reviews* 43, 832-842.
6	Neseli MA, Ozgener O, **Ozgener L.** 2015. Energy and exergy analysis of electricity generation from natural gas pressure reducing stations. *Energy Conversion and Management* 93, 109-120.

7	Ozgener O, **Ozgener L,** Tester, J.W. 2013. A practical approach to predict soil temperature variations for geothermal (ground) heat exchangers applications. *International Journal of Heat and Mass Transfer* 62, 473-480.
8	Basaran A, **Ozgener L.** 2013. Investigation of the effect of different refrigerants on performances of binary geothermal power plants. *Energy Conversion and Management* 76, 483-498.
9	**Ozgener L,** Ozgener O, 2013. Three heating seasons monitoring of thermo-economic parameters of a prototype EAHE system for technological forecasting and evaluating low grade geothermal resources in Turkey. *Energy and Buildings* 66, 346-352.
10	Ozgener O, **Ozgener L.** 2013. Three cooling seasons monitoring of energetic performance analysis of an EAHE assisted solar greenhouse building. *Journal of Green Building* 8(2), 153-161.
11	Ozgener O, **Ozgener L.** 2013. Three cooling seasons monitoring of exergetic performance analysis of an EAHE assisted solar greenhouse building. *ASME-Journal of Solar Energy Engineering* 135, 021008-1-7.
12	Baskut O, **Ozgener L.** 2012. Exergoeconomic assessment of a wind turbine power plant (WTTP): Cesme, Izmir, example. *Energy* 47, 577-581.
13	Yildirim D, **Ozgener L.** 2012. Thermodynamics and Exergoeconomic Analysis of Geothermal Power Plants. *Renewable and Sustainable Energy Reviews* 16(8), 6438-6454.
14	Yildiz A, Ozgener O, **Ozgener L.** 2012. Energetic performance analysis of a solar photovoltaic cell (PV) assisted closed loop earth-to-air heat exchanger for solar greenhouse cooling: An experimental study for low energy architecture in Aegean Region. *Renewable Energy* 44, 281-287.
15	**Ozgener L.** 2012. Coefficient of Performance (COP) Analysis of Geothermal District Heating Systems (GDHSs): Salihli GDHS case study. *Renewable and Sustainable Energy Reviews* 16(2),1329-1333.
16	**Ozgener L.** 2011. A review on the experimental and analytical analysis of earth to air heat exchanger (EAHE) systems in Turkey. *Renewable and Sustainable Energy Reviews* 15(9),4483-4490.
17	Yildiz A, Ozgener O, **Ozgener L.** 2011. Exergetic performance assessment of solar photovoltaic cell (PV) assisted earth to air heat exchanger (EAHE) system for solar greenhouse cooling. *Energy & Buildings* 43 (11),3154-3160.
18	Ozgener O, **Ozgener L,** Goswami DY. 2011.Experimental prediction of total thermal resistance of a closed loop EAHE for greenhouse cooling system. *International Communications in Heat and Mass Transfer* 38 (6),711-716.
19	Baskut O, Ozgener O, **Ozgener L.** 2011. Second law analysis of wind turbine power plants: A case study. *Energy* 36(5),2535-2542.
20	Ozgener O, **Ozgener L.** 2011. Determining the optimal design of a closed loop earth to air heat exchanger for greenhouse heating by using exergoeconomics. *Energy & Buildings* 43(4), 960-965.
21	**Ozgener L,** Ozgener O. 2010. Energetic performance test of an underground air tunnel system for greenhouse heating. *Energy* 35(10),4079-4085.
22	**Ozgener L.** 2010. Investigation of wind energy potential of Muradiye in Manisa, Turkey. *Renewable and Sustainable Energy Reviews* 14(9),3232-3236.
23	Baskut O, Ozgener O, **Ozgener L.** 2010. Effects of meteorological variables on exergetic efficiency of wind turbine power plants. *Renewable and Sustainable Energy Reviews* 33(5),995-1005.
24	**Ozgener L,** Ozgener O. 2010. An experimental study of the exergetic performance of an underground air tunnel system for greenhouse cooling. *Renewable Energy* 35,2804-2811.
25	Ozgener O, **Ozgener L.** 2010. Exergetic assessment of EAHEs for building heating in Turkey: A greenhouse case study. *Energy Policy* 38,5141-5150.
26	Ozgener O, **Ozgener L.** 2010. Exergoeconomic analysis of an underground air tunnel system for greenhouse cooling system. *International Journal of*

	Refrigeration 33,995-1005.
27	**Ozgener L,** Ozgener O. 2009. Monitoring of energy exergy efficiencies and exergoeconomic parameters of Geothermal District Heating Systems (GDHSs). *Applied Energy* 86,1704-1711.
28	Ozgener O, **Ozgener L,** Dincer I. 2009. Analysis of some exergoeconomic parameters of a small wind turbine system. *International Journal of Green Energy* 6, 42-56.
29	**Ozgener L,** Ozgener O. 2009. Parametric study of the effect of reference state on energy and exergy efficiencies of a small industrial pasta drying process. *International Journal of Exergy* 6(4),477-490.
30	**Ozgener L,** Ozgener O. 2009. Exergy analysis of drying process: An experimental study in solar greenhouse. *Drying Technology Journal* 27(4),580-586.
31	Ozgener L, Ozgener O. 2009. Performance Analysis of Geothermal District Heating and Geothermal Heat Pump Applications in Buildings. Chapter: 16, pp.409-419. – *ENERGY AND BUILDINGS Efficiency, Air Quality and Conservation*, Editor: Joseph B. Utrick. ISBN 978-1-60741-049-2. Nova Publishers, Inc., USA
32	**Ozgener L,** Ozgener O. 2008. Monitoring of energetic and exergetic performance analysis of Salihli Geothermal District Heating System. *Journal of Energy Resources Technology-Transactions of The ASME* 130(2), 02230**2.**
33	**Ozgener L,** Ozgener O. 2008. Thermo-mechanical exergy and thermoeconomic analysis of geothermal district heating systems. *Proceedings of the Institution of Mechanical Engineers, Part A, Journal of Power and Energy* 222,166-177.
34	**Ozgener L,** Ozgener O. 2008. Monitoring of thermoeconomic analysis of Salihli Geothermal District Heating System (SGDHS). 6th IASME/WSEAS International Conference on HEAT TRANSFER, THERMAL ENGINEERING and ENVIRONMENT (HTE'08) Rhodes, Greece, August 20-22, 2008 pp.84-87.
35	**Ozgener L.** 2007. Exergoeconomic analysis of small industrial pasta drying systems. *Proceedings of the Institution of Mechanical Engineers, Part A, Journal of Power and Energy* 221(7), 899-906.
36	Ozgener O, **Ozgener L.** 2007. Exergy and reliability analysis of wind turbine systems: A case study. *Renewable and Sustainable Energy Reviews* 11, 1811-1826.
37	**Ozgener L,** Hepbasli A, Dincer I. 2007.A key review on performance improvement aspects of geothermal district heating systems and applications. *Renewable and Sustainable Energy Reviews* 11,1675-1697.
38	**Ozgener L,** Hepbasli A, Dincer I. 2007. Exergy analysis of two geothermal district heating systems for building applications. *Energy Conversion and Management* 48(4), 1185-1192.
39	**Ozgener L,** Hepbasli A, Dincer I, Rosen MA. 2007. Exergoeconomic analysis of geothermal district heating systems: A case study. *Applied Thermal Engineering* 27(8-9), 1303-1310.
40	Ozgener O, Hepbasli A, **Ozgener L.** 2007. A parametric study on the exergoeconomic assessment of a vertical ground coupled (geothermal) heat pump system. *Building and Environment* 42(3), 1503-1509.
41	**Ozgener L,** Hepbasli A, Dincer I. 2007. Parametric study of the effect of reference state on energy and exergy efficiencies of geothermal district heating systems: Salihli example. *Heat Transfer Engineering* 28(4), 357-364.
42	**Ozgener L,** Ozgener, O. 2007. Investigation of exergetic efficiency and thermodynamic parameters of the Salihli geothermal district heating system. Energy Sustainability 2007 June 27-30, 2007, Long Beach, California, USA.
43	**Ozgener L,** Hepbasli A, Dincer I. 2006. Investigation of the energetic and exergetic performance of the Gonen geothermal district heating system. *Proceedings of the Institution of Mechanical Engineers, Part A, Journal of Power and Energy* 220,671-679.
44	**Ozgener L,** Ozgener O. 2006. Exergy analysis of industrial pasta drying process. *International Journal of Energy Research* 30, 1323-1335.

45	Baba A., **Ozgener L,** Hepbasli A. 2006. Environmental and exergetic aspects of geothermal energy. *Energy Sources* 28, 597-609.
46	**Ozgener L,** Hepbasli A, Dincer I. 2006. Performance investigation of two geothermal district heating systems for building applications: Energy analysis. *Energy & Buildings* 38(4), 286-292.
47	**Ozgener L,** Hepbasli A, Dincer I. 2006. Effect of reference state on the performance of energy and exergy evaluation of geothermal district heating systems: Balcova example. *Building and Environment* 41(6), 699-709.
48	**Ozgener L,** Hepbasli A, Dincer I. 2005. Thermodynamic analysis of a geothermal district heating system. *International Journal of Exergy* 2(3),231-245.
49	**Ozgener L,** Hepbasli A, Dincer I. 2005. Energy and exergy analysis of Gonen geothermal district heating system, Turkey. *Geothermics* 34(5), 632-645.
50	**Ozgener L,** Hepbasli A, Dincer I. 2005. Energy and exergy analysis of geothermal district heating systems: an application. *Building and Environment* 40, 1309-1322.
51	**Ozgener L,** Hepbasli A., Dincer I. 2005. Energy and exergy analysis of Salihli geothermal district heating system in Manisa, Turkey. *International Journal of Energy Research* 29, 393-408.
52	**Ozgener L,** Hepbasli A, and Dincer I. 2004. Thermo-mechanical exergy analysis of Balcova Geothermal District Heating system in Izmir, Turkey. *ASME-Journal of Energy Resources Technology* 126, 293-301.
53	Hepbasli A., **Ozgener L.** 2004. Development of geothermal energy utilization in Turkey: a review. *Renewable and Sustainable Energy Reviews* 8(5), 433-460.

Articles Published in National Refereed Journals	
1	Yildiz A, Ozgener O, **Ozgener L.** 2020. Renewable energy applications in Turkey, current status and future forecasts. EMO Scientific Journal 1, 7-19 (in Turkish).
2	Yener D, Ozgener O, **Ozgener L.** 2016. Prediction of soil temperatures for underground heat exchnager applications in Manisa Turkey. Karaelmas Science and Engineering Journal,6(1) 56-58 (in Turkish).
3	Yildiz A, Ozgener O, **Ozgener L.** 2014. Photovoltaic assisted earth to air heat exchanger application for a greenhouse air conditioning. Mühendis ve Makina 2014 (in Turkish).
4	Basaran A, **Ozgener L.** 2013. Environmental impacts of harmful halocarbon refrigerants and taken precautions. Mühendis ve Makina 54, 45-53 (in Turkish).

International Conference Proceedings	
1	Yildiz A, Ozgener O, **Ozgener L.** High Voltage Solar Inverter Structers. 8th European Conference on Renewable Energy Systems, Istanbul, Turkey, on August 24-25, 2020.
2	Ersayin E, **Ozgener L.** Thermal Analysis of an Organic Rankine Cycle Integrated Into a Combined Cycle. Multidisciplinary Academic Conference on Engineering, IT and Artificial Intelligence, Czech Republic, Prague (MAC-EITAI 2018), Prague, Czech Republic, on May 25 - 27, 2018.
3	Gokbakar H, Ozgener O, **Ozgener L.** Energy Production from Waste Exhaust Gas of Internal Combustion Engines. 14th International conference Energy Storage EnerSTOCK2018, 25-28 April 2018, Adana, Turkey.
4	Ersayin E, **Ozgener L.** Exergy Analysis Of Combined Cycle Power Plants. ENTECH'17 Dec 15, 2017, Istanul, Turkey.
5	Gokbakar H, Ozgener O, **Ozgener L,** Electricity Generation In Waste Exhaust Gases From Internal Combustion Engines .8th ATMOSPHERIC SCIENCES SYMPOSIUM - ATMOS2017, 1-4 November 2017, Istanbul, Turkey
6	Neseli MA, Gokbakar H, Ozgener O, **Ozgener L,** A Case Study on Electricity Generation At Pressure Reducing Station (PRS).8th ATMOSPHERIC SCIENCES

	SYMPOSIUM - ATMOS2017, 1-4 November 2017, Istanbul, Turkey
7	Basaran A, **Ozgener L.** 2016. Effect of the HFC and HC Refrigerants as Secondary Working Fluid on Performance of Binary Geothermal Power Plant. XII. International HVAC+R Technology Symposium. March 31- April 2, 2016, Istanbul, Turkey. 2
8	Neseli MA, Ozgener O, **Ozgener L.** 2016. Analysis of the recoverable energy from natural gas pressure reduction stations (PRS). 8th International Ege Energy Symposium and Exhibition (IEESE8) May 11-13, Afyonkarahisar, Turkey.
9	Yener D, Ozgener O, **Ozgener L.** 2016. Prediction of Soil Temperatures for underground Heat Exchanger Applications in Izmir Turkey. XII. International HVAC+R Technology Symposium March 31- April 2,2016, Istanbul, Turkey
10	**Ozgener L,** Ozgener O. 2015. The Use of EAHE (Earth to Air Heat Exchanger Systems): 2015 Turkey Review. World Geothermal Congress 19-24 April 2015 Australia-New Zeland (poster).
11	Ozgener O, **Ozgener L,** Tester JW. 2013. Three heating seasons monitoring of usage of low enthalpy geothermal resources:exergetic performance analysis of an EAHE assisted agricultural building. 38. Stanford Geothermal Workshop, February 11-13, 2013, Stanford University, San Francisco CA, USA.
12	**Ozgener L,** 2013. Environmentally friend geothermal resources: A case study on horizontal earth tube system (EAHE)Humboldt-Kolleg Istanbul 2013,, Dec. 12-14, 2013, Yildiz Teknik University, Istanbul (invited speaker).
13	Yildirim D, **Ozgener L.** 2012. Energy and exergy analysis of the Aydin, Salavatli geothermal power system, Turkey. 2012 KAUFMAN INSTOC SYMPOSIUM, September 8, 2012, Cornell University, New York, USA.
14	Ozgener O, **Ozgener L.** 2012. Utilization of low enthalpy geothermal resources:Earth to air heat exchanger applications. 2012 KAUFMAN INSTOC SYMPOSIUM, September 8, 2012, Cornell University, New York, USA.
15	Yildiz A, Ozgener O, **Ozgener L.** 2012. Photovoltaic assisted earth to air heat exchanger system for building applications. X. International HVAC+R Technology Symposium April 30- May 2, Istanbul, Turkey.
16	Ozgener O, **Ozgener L.** 2011. Energetic performance evaluation of an earth to air heat exchanger system for agricultural building heating. World Renewable Energy Congress 2011-Sweden, 8-13 May, 2011, Linköping, Sweden.
17	**Ozgener L,** Ozgener O. 2010. Three years monitoring energy efficiency of a Geothermal District Heating System. Proceedings World Geothermal Congress 2010, 25-30 April 2010, Bali, Indonesia.
18	**Ozgener L,** Ozgener O. 2010. Experimental cooling performance studies of earth to air heat exchangers for agricultural buildings. Humboldt Kolleg Conferences: Istanbul 2010,21-24 October, 2010, Istanbul, Turkey
19	Ozgener O, **Ozgener L.** 2010. Energetic cooling performance assessment OF EAHEs. International Conference on Clean Energy (ICCI-2010), 15-17 September, 2010, Famagusta – N. Cyprus.
20	Baskut O, Ozgener O, **Ozgener L**. 2010. Exergetic performance assessment of wind turbines.5th International Ege Energy Symposium and Exhibition 27-30 June, Pamukkale University, Denizli, Turkey.
21	**Ozgener L**, Ozgener O. 2010. Experimental studies on underground air tunnels (earth air heat exchangers (EAHEs-). IX. International HVAC+R Technology Symposium 3-5 May, Istanbul, Turkey
22	**Ozgener L,** Ozgener O. 2008. Monitoring of thermoeconomic analysis of Salihli Geothermal District Heating System (SGDHS). 6th IASME/WSEAS International Conference on HEAT TRANSFER, THERMAL ENGINEERING and ENVIRONMENT (HTE'08) Rhodes, Greece, August 20-22, 2008 pp.84-87.
23	**Ozgener L,** Ozgener, O. 2008. Monitoring of energetic and exergetic performance of a geothermal district heating system. INTERNATIONAL HVAC+R TECHNOLOGY SYMPOSIUM AND EXHIBITION, May 12-14, 2008, Istanbul, Turkey.
24	**Ozgener L,** Ozgener, O. 2007. Investigation of exergetic efficiency and thermodynamic parameters of the Salihli geothermal district heating system.

	Energy Sustainability 2007 June 27-30, 2007, Long Beach, California, USA.
25	Hepbasli A, **Ozgener L,** Ozgener O. 2006. Comparison of energy and exergy prices of various energy sources for the residential use. International HVAC+R Technology Symposium and Exhibition, May 8-10, 2006, Istanbul, Turkey
26	**Ozgener L,** Hepbasli A, Dincer I. 2005. Thermoeconomic analysis of Balcova geothermal district heating system. 1st International Symposium and Exhibition on Environment- Friendly Energy Sources and Technologies.5-7 September, 2005, *Cesme / Izmir, Turkey.*
27	**Ozgener L,** Hepbasli A, Dincer I. 2005. Investigation of thermodynamic parameters of the Turkish geothermal district heating systems (GDHSs). The 2nd International Exergy, Energy and Environment Symposium (IEEES2), 3-7 July, Kos, Greece
28	**Ozgener L,** Hepbasli A, Dincer I. 2005. Performance investigation of the Turkish geothermal district heating systems (GDHSs). International Green Energy Conference (IGEC), 12-16 June, Waterloo, Ontario, Canada
29	**Ozgener L**, Hepbasli A, Dincer I. 2005. Comparison of energy and exergy efficiencies of the Turkish geothermal district heating systems (GDHs). Second International Conference On Applied Thermodynamics (ATC), May 18-20, Istanbul, Turkey, 293-298
30	**Ozgener L,** Hepbasli A, Dincer I. 2005. Exergy analysis of geothermal district heating systems. NATO Advanced Study Institute on "Thermal Energy Storage for Sustainable Energy Consumption (TESSEC)", 6 – 17 June, 2005, Cesme / Izmir, Turkey.
31	**Ozgener L,** Hepbasli A, Dincer I. 2005. Energy and exergy assessment of Salihli geothermal district heating system. World Geothermal Congress (WGC), April 24-29, Antalya, Turkey.
32	**Ozgener L,** Hepbasli A, Dincer I, Rosen MA. 2005. Exergoeconomic modeling of geothermal district heating systems for building applications. The Ninth International Building Performance Simulation Association (IBPSA), August 15-18,pp. 907-914. École Polytechnique de Montréal, Canada.

National Conference Proceedings	
1	**Ozgener L.,** Ozgener O. 2006. Energy analysis of district heating systems. Natural Gas Days 1-3 June 2006, Denizli (in Turkish)
2	**Ozgener L,** Hepbasli A, Dincer I. Performance parameters of geothermal district heating systems. 7. National TESKON, Geothermal Seminar, Izmir, 23-26 November 2005, 371-379 (in Turkish).
3	**Ozgener L,** Hepbasli A, 2003. Necessity of exergy analysis in HVAC systems and its applications. 6 National TESKON, Izmir, 8-11 October 2003, 608-622 (in Turkish).
4	Eke, R., Akdemir,O.,Kara, O., Hancıoğlu, E., **Ozgener, L.,** Ozgener, O., Ulgen, K, Hepbasli, A. 2003. Necessity of establishing building energy management (BEM) systems in Turkish universities: - Ege University case study. Ege Energy Symposium, 108-113 (in Turkish)

Books & Chapters in Books	
1	**Ozgener L**, Ozgener, O. 2020. Ten years energetic monitoring for EAHE assisted greenhouse heating. *The Future of district heating*, Nova Publishers, NY, USA.
2	**Ozgener L**, Ozgener O. 2012. Earth to Air Heat Exchangers (EAHE): Energy and Exergy Efficiencies. *Encyclopedia of Energy Engineering and Technology.* http://dx.doi.org/10.1081/E-EEE-120047390, London,Taylor&Francis.
3	**Ozgener L**, Ozgener O. 2009. Performance Analysis of Geothermal District Heating and Geothermal Heat Pump Applications in Buildings. Chapter: 16, pp.409-419. – *ENERGY AND BUILDINGS Efficiency, Air Quality and Conservation*, Editor: Joseph B. Utrick. ISBN 978-1-60741-049-2. Nova Publishers, Inc., USA
4	Dincer I, Hepbasli A, **Ozgener L**. 2007. Geothermal article "Geothermal Energy Resources" for *Encyclopedia of Energy Engineering*, DOI:10.1081/E-EEE-120042343, 1;1; 744-752, London,Taylor&Francis.

# of Articles in SCI-Expanded	53	**# of Citations in SCI-Expanded**	1623
h-index	28		

PROJECTS				
	Date	**Institution**	**Subject**	**Position**
1	2018	Ege University	A parametric study on closed loop earth to air heat exchanger systems	Investigator
2	2017	Ege University	Prediction soil temperatures to evaluate low enthalpy geothermal resources assessment in Aegean Region of Turkey, 16/GEE/002	Investigator
3	2017	Ege University	Theoretical analysis of Turkey's soil temperatures, 16/GEE/001	Investigator
4	2013	TUBITAK (TheScientific andTechnological Research Council of Turkey)	TUBITAK-2219 (The Scientific and Technological Research Council of Turkey) Assoc. Prof. Dr.. Leyla Ozgener- Prof. Dr. Jefferson W. Tester http://vivo.cornell.edu/display/lo64	Head
5	2010	Ege University	Design of PV assisted earth to air heat exchanger and its applications. Project number: 10GEE007, supported by Ege University Research Fund.	Investigator
6	2009	Ege University	Utilization of earth air heat exchangers for solar greenhouses pre heating and performance analysis. Project number: 09GEE003, supported by Ege University Research Fund. (Assoc. Prof. Dr. O. Ozgener, Assoc. Prof. Dr. L.Ozgener, Prof. Dr. D. Yogi Goswami)	Investigator
7		The State Planning Organization	The State Planning Organization, Prime Ministry of Turkey (DPT) Project No: 04/DPT/001	Investigator
8	2008	Ege University	Agricultural product drying studies in fiberglass reinforced polyester (FRP) greenhouses 08/GEE/004,	Investigator
9	2008	TUBITAK (TheScientific andTechnological Research Council of Turkey)	Monitoring of performance of the Salihli Geothermal District Heating System. Project Number: 106M166	Head
10	2006	Celal Bayar University	Investigation of wind energy potential of Muradiye Campus Area of Celal Bayar University. Project Number:2006/37, supported by Celal Bayar University Research Fund	Head

MENTORING ACTIVITIES	
Masters Students	
1	2020, Gokce Bekar, Economic analysis of wind energy systems investment In Turkey. Faculty, of Engineering Mech. Engineering Dept., Celal Bayar University (Advisor).
2	2020, Kaan Tunçgovde, The comparison of photovoltaic solar panel types that uses for electricity generation in buildings of İzmir province in terms of efficiency, and their cost analysis. Faculty, of Engineering Mech. Engineering Dept., Celal Bayar University (Advisor).
3	2020, Yigit Erdogmuş, Thermal design and energy, exergy, economic analysis of boiler in gas engine or gas turbine outputs in cogeneration units. Faculty, of Engineering Mech. Engineering Dept., Celal Bayar University (Advisor).
4	2020, Omer Yenicag, Increasing energy efficiency in RMS-A Stations. Faculty, of Engineering Mech. Engineering Dept., Celal Bayar University (Advisor).
5	2020, Halil Buyuksen, Vertical type soil source heat pump of a region in Manisa air conditioning and cost analysis. Faculty, of Engineering Mech. Engineering Dept., Celal Bayar University (Advisor).
6	2019, Metin Kurt, Computational fluid dynamics analysis of earth-air heat exchanger. Mech. Engineering Dept., Manisa Celal Bayar University (Advisor).
7	2019, Arda Oncel, Modeling of biomass sample in a district heating system. Mech. Engineering Dept., Manisa Celal Bayar University (Advisor).
8	2018, Pelin Turk, CBU Muradiye Campus Hybrid System Variations: Case Study Faculty of Engineering, Mech. Engineering Dept., Manisa Celal Bayar University (Advisor).
9	2017, Deniz Yener, Prediction soil temperatures to evaluate low enthalpy geothermal resources assesment in Aegean Region of Turkey, Solar Energy Institute, Ege University. (Co-Advisor).
10	2016, Sahika Zerrin Isik, Effect of utilization of renewable energies on CO2 emissions: Manisa, Example. Faculty of Engineering, Mech. Engineering Dept., Celal Bayar University (Advisor).
11	2012, Erdem Ersayin, Performance analysis of a combine cycle plant. Faculty of Engineering, Mech. Engineering Dept., Celal Bayar University (Advisor).
12	2012, Anil Basaran, Investigation of the effect of different refrigerants on performances of binary geothermal power plants. Faculty of Engineering, Mech. Engineering Dept., Celal Bayar University (Advisor).
13	2011, Deniz Yildirim, Second law and exergoeconomic analysis of a geothermal power plant.Faculty of Engineering, Mech. Engineering Dept., Celal Bayar University (Advisor).
14	2011, Ahmet Yildiz, Design of a photovoltaic coupled earth to air heat exchanger. Solar Energy Institute, Ege University (Co-Advisor).
15	2010, Omer Baskut, Exergy analysis of wind power plants. Solar Energy Institute, Ege University (Co-Advisor).
Doctoral Students	
1	2020, Erdem Ersayin, Modelling new tecniques in waste heat recovery, Engineering Faculty, Mechanical Engineering Dept., Manisa Celal Bayar University (Advisor)
2	2020, Ahmet Yildiz, Designing and modelling of an inverter that provides energy output at high voltage level, Solar Energy Institute, Ege University (Co Advisor)
3	2014, Mehmet Alparslan Neseli, Thermoeconomic analysis of electricity production from natural gas pressure reducing stations, Solar Energy Institute, Ege University (Co-Advisor).

EDITED JOURNALS

	Name of Journal	Years
1	Renewable and Sustainable Energy Reviews, Elsevier, Ltd., UK, **(Associate Editor)** **http://www.journals.elsevier.com/renewable-and-sustainable-energy-reviews/editorial-board/I-ozgener/** **(Thomson Reuters, Category: ENERGY & FUELS 5 Year Impact Factor 10.093 1 out of the Top 6 Journals within ENERGY)**	2015-
2	Renewable and Sustainable Energy Reviews, Elsevier, Ltd., UK, (Editor, Editorial Board Member)	2011-
3	ISRN Renewable Energy, Hindawi Publishing Corporation, USA, (Editor, Editorial Board Member) http://www.hindawi.com/isrn/re/	2011
4	Journal of Technology Innovations in Renewable Energy, Lifescience Global, Canada, (Editor, Editorial Board Member) http://www.lifescienceglobal.com/journals/journal-of-technology-innovations-in-renewable-energy	2012
5	American Journal of Energy Engineering (AJEE), Science Publishing Group, USA, (Editor, Editorial Board Member) http://www.sciencepublishinggroup.com/journal/editorialboard.aspx?journalid=168	2012-2015
6	International Scholarly Research Notices -Energy, Hindawi Publishing, USA, (Editor, Editorial Board Member) http://www.hindawi.com/journals/isrn/editors/energy/	2014

REFEREE ACTIVITIES	
	Name of Journal
1	ASHRAE Journal, ASHRAE, USA, Reviewer
2	ASME-Journal of Energy Resources Technology, NY, USA, Reviewer
3	Applied Energy, Elsevier, Ltd, UK, Reviewer
4	Applied Thermal Engineering, Ltd, UK, Reviewer
5	Biosystem Engineering, Elsevier, Ltd, UK, Reviewer
6	Building & Environment, Elsevier, Ltd, UK, Reviewer
7	Chemical Engineering Science, Elsevier, Ltd, UK, Reviewer
8	Computers and Electronics in Agriculture, Elsevier, Ltd, UK, Reviewer
9	Energy, AIMS Press, USA, Reviewer
10	Energy The International Journal, Elsevier, Ltd., UK, Reviewer
11	Energy Conversion and Management, Elsevier,Ltd, UK, Reviewer
12	Energy Efficiency, Springer, Reviewer, Netherlands
13	Energy Policy, Elsevier,Ltd, UK, Reviewer
14	Geothermics, Elsevier,Ltd, UK, Reviewer
15	Geothermal Energy, Springer, UK, Reviewer
16	International Journal of Electrical Power and Energy Systems,Elsevier,Ltd, UK, Reviewer
17	International Journal of Energy Research, John Wiley&Sons, Ltd., UK, Reviewer
18	International Journal of Environmental Engineering, Inderscience Publishers, Ltd., UK, Reviewer
19	International Journal of Exergy, Inderscience Publishers, Ltd., UK, Reviewer

20	International Journal of Green Energy, Taylor&Francis, Ltd, UK, Reviewer
21	International Journal of Hydrogen Energy, Elsevier, Ltd, UK, Reviewer
22	International Journal of Refrigeration, Elsevier, Ltd, UK, Reviewer
23	International Journal of Sustainable Engineering, Taylor&Francis, Ltd, UK, Reviewer
24	International Journal of Thermal Sciences, Elsevier, Ltd, UK, Reviewer
25	Journal of Building Engineering, Elsevier, Ltd, UK, Reviewer
26	Journal of Renewable and Sustainable Energy, AIP Publishing LLC, NY, USA, Reviewer
27	Journal of Green Building, College Publishing, USA, Reviewer
28	Journal of Thermal Science and Technology, TR, Reviewer
29	Solar Energy, Elsevier, Ltd, UK, Reviewer
30	Sustainable Energy Technologies and Assessments, Elsevier, Ltd, UK, Reviewer
31	Proceedings of the Institution of Mechanical Engineers, Part A, Journal of Power and Energy, Professional Engineering Publishing, UK, Reviewer
32	Proceedings of the Institution of Mechanical Engineers, Part B, Journal of Engineering Manufacture, UK, Reviewer
33	Renewable Energy, Elsevier, Ltd, UK, Reviewer
34	Revista Mexicana de Ciencias Geológicas, México
35	TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES, TUBITAK, TR, Reviewer
36	Thermal Science, Institute of Nuclear Sciences Vinca, Belgrade, Serbia, Reviewer
37	Energy Sustainability 2007 Long Beach, California, USA., Reviewer
38	Energy Sustainability 2008 Jacksonville, FL, USA., Reviewer
39	World Renewable Energy Congress 2011-Linköping, Sweden, Reviewer
40	Environmental Earth Sciences, Springer, Netherlands, Reviewer
41	Journal of Natural Gas Science&Engineering, Elsevier, Ltd, UK, Reviewer

MEMBERSHIPS

Association
Chamber of Mechanical Engineers (TMMOB MMO)

AWARDS AND HONORS

	Institution	Years
1	World Bank (WB)/Geofund for World Geothermal Congress 2005, 2005,10 days	2005
2	NATO ASI on Thermal Energy Storage for Sustainable Energy Consumption, 2005, 14 days	2005
3	Who's Who in Science and Engineering, 10th Anniversary Edition, 2007	2007
4	IBC Foremost educators of the World, 2008, Cambridge, England	2008
5	IBC International outstanding scientists of the year 2008, Cambridge, England	2008
6	The global year of the science-2008, The Archimedes Award, IBC, Cambridge, England	2008
7	World Who's Who of Women 15th Edition, 2009, IBC, Cambridge, England	2009
8	Biography in Marquis Who's Who in the World, 2009	2009
9	Awarded by ELSEVIER, Most Cited Articles, 2005 to 2008 in Building and Envir (L. Ozgener-A.Hepbasli-I.Dincer) – 2009	2009
10	Biography in Marquis Who's Who in the World,27th Edition, 2010	2010

11	Who's Who in Science and Engineering, 11th Edition, 2011-2012	2011
12	SCI paper encouragement award, 45 Times, TUBITAK	
13	Awarded by Celal Bayar University, 2011 SCI papers	2011
14	Awarded by Celal Bayar University, 2012 SCI papers	2012
15	Awarded by Celal Bayar University, 2013 SCI papers	2013
16	Awarded by Celal Bayar University, 2011 SCI Journal Editorial Membership	2012
17	Awarded by Celal Bayar University, 2012 Research Encouragement Award	2012
18	Awarded by Celal Bayar University, 2013 Distinguished Science Award	2013
19	The Scientific and Technological Research Council of Turkey (TUBITAK), 2219 program, Cornell University, New York-USA, 12 Months, 2012	2012-2013
20	Awarded by ELSEVIER, The Certificate of Excellence in Reviewing	2014
21	LIST OF 155 TURKISH WOMEN SCIENTIST BY H -15 VALUE (Cumhuriyet Newspaper Science&Technology Supplement March 13, 2015)	2015
22	Awarded by FABED, Eser Tumen Excellence Award http://www.fabed.com http://www.fabed.com/sonuclar.php?p=2015_basari	2015

COURSES GIVEN IN THE LAST 5 YEARS

Year	Semester	Place	Course Name	Level
2013-2014	Spring	CBU	Experimental Methods in Engineering I	Undergraduate
2013-2014	Spring	CBU	Wind Energy I	Graduate
2013-2014	Spring	CBU	Heat Pumps	Graduate
2014-2015	Fall	CBU	Natural Gas and LPG Systems	Undergraduate
2013-2014	Fall	CBU	Experimental Methods in Engineering II	Undergraduate
2014-2015	Fall	CBU	Thermodynamics I	Undergraduate
2014-2015	Summer	CBU	Thermodynamics II	Undergraduate
2014-2015	Spring	CBU	Energy Management	Undergraduate
2014-2015	Summer	CBU	Renewable Energies	Undergraduate
2013-2014	Fall	CBU	Exergy Analysis of Thermal Systems	Graduate
2013-2014	Fall	CBU	Geothermal Energy and its Applications	Graduate
2016-2017	Spring	CBU	Natural Gas and LPG Systems	Undergraduate
2015-2016	Spring	Turkish Air Forces	Thermodynamics	
2015-2016	Spring	Yasar University	Geothermal energy	
2016-2017	Spring	Yasar University	Geothermal energy	
2017-2018	Spring	Yasar University	Geothermal energy	
2017-2018	Fall	CBU	Thermodynamics I	Undergraduate
2017-2018	Fall	CBU	Natural Gas and LPG Systems	Undergraduate
2017-2018	Spring	CBU	Wind Energy II	Graduate

2018-2019	Fall	CBU	Thermodynamics I	Undergraduate
2018-2019	Spring	CBU	Natural Gas and LPG Systems	Undergraduate
2018-2019	Spring	CBU	Wind Energy II	Graduate
2019-2020	Spring	Ege University	Renewable Energy Technologies	Graduate
2019-2020	Spring	Ege University	Renewable Energy Applications	Graduate
2019-2020	Spring	Ege University	Geothermal Energy Applications	Graduate
2019-2020	Spring	Ege University	Underground Heat Exchangers and Applications	Graduate