

CURRICULUM VITAE

1. **Family name:** Acuner Türet
2. **First names:** Ebru
3. **Date of birth:** 09.08.1977
4. **Nationality:** Turkish
5. **Civil status:** Married
6. **Education:**

Institution [Date from – Date to]	Degree(s) or Diploma(s) obtained:
Middle East Technical University, Environmental Engineering, 1999	B. Sc.
Middle East Technical University, Environmental Engineering, 2001	M.Sc.
Istanbul Technical University, Energy Institute, 2020	PhD.

7. **Language skills:** Indicate competence on a scale of 1 to 5 (1 - excellent; 5 - basic)

Language	Reading	Speaking	Writing
Turkish	Native	Native	Native
English	1	1	1

8. **Membership of professional bodies:**
9. **Present position:** Assistant Prof. Dr. / Istanbul Technical University
10. **Years within the firm:** 15 years 2 months (out of 22 years 7 months)

11. **Key qualifications:** Expert in the fields of energy planning and management in industry and building sectors, energy efficiency and renewable energy policy and strategies and their financing options, energy-environmental modelling together with the economic and environmental viewpoints, energy consumption behaviours of households, carbon management, ESCOs, concept of smart cities.

12. **Selected Courses and Workshops Attended:**

Country	Date:
<i>Istanbul-Turkey</i>	25-27 July 2011 Trainee "Sustainable Energy Management and Scenario Modeling" Summer School ITU Energy Institute – Wuppertal Institute
<i>France-Grenoble</i>	23-27 November 2009 Trainee "Energy Demand and CO ₂ Forecasting" ENERDATA
<i>Japan</i>	28 August – 30 September 2004 Trainee "Energy Saving Diagnosis Course" Japan International Cooperation Agency (JICA) and Energy Conservation Center of Japan (ECCJ)

13. Professional Experience Record:

Date from – date to	March 2022 - present
Location	Istanbul, Turkey
Company	Energy Institute, Istanbul Technical University
Position	Assistant Prof. Dr.
Description	<p>. <u>Coordinator of Smart Building and Facility Management Graduate Program (without thesis)</u></p> <p>. <u>Vice Coordinator of ITU Sustainability Office</u></p> <p>. <u>Project on “Empowering Persons with Disabilities through Effective Disaster Management”</u> ERASMUS+ by National Agency in Turkey In cooperation with Istanbul Governorship, INSTITUTO EKPAIDEFTIKOU KAI EPAGGELMATIKOU PROSANATOLISMOU, INFODEF, DG of Istanbul Family, Work and Social Services, Centro Servizi Formazione SCS, H-Foundation</p> <p>December 2020 – April 2023</p> <p>. <u>Researcher</u> Preparation of learning units and their training contents</p> <p>. <u>Project on “RE-VET European Training Curriculum for Restoration Workers”</u> ERASMUS+ by National Agency in Turkey In cooperation with Istanbul Governorship, University of Strathclyde, Alma Mater Studiorum - Università Di Bologna, Univerza V Ljubljani, Instituto Para El Fomento Del Desarrollo Y La Formacion SI, Kocaeli University</p> <p>December 2020- 2022</p> <p>. <u>Researcher</u> Preparation of learning units and their training contents</p> <p>. <u>Project on “Market based Energy Efficiency Policy Mechanism Instruments for Enhancing Turkey’s Energy Transition”</u> by SHURA Enerji Transition Center in cooperation with RAP – Regulatory Assistance Project</p> <p>September 2021-</p> <p>. <u>Researcher</u> Developing roadmaps for Turkish Energy Efficiency Obligation Schemes and Energy Efficiency Auctions</p> <p>Project on “Facilitating ESCO and EPC sector through CSO Partnership (FACILITEE) Reference: TR2016/DG/03/A1-01” EuropeAid/166483/ID/ACT/TR in cooperation with Association for Energy Efficiency and Management (EYODER), Energy Law Research Center in Turkey, FEDERESCO from Italy</p> <p>September 2021 –</p> <p>. <u>Academic Researcher</u> ESCO and EPC concepts development in Turkey considering legal, financial and insurance sectors.</p>

Date from - date to	Feb 2006 – March 2022
Location	Istanbul, Turkey
Company	Energy Institute, Istanbul Technical University
Position	Expert
Description	<p>. <u>Energy Planning and Management Division</u> 2006-2022</p> <ul style="list-style-type: none"> - Organization of ITU Energy Workshop and Exhibition, Energy-Public-University-Industry (ENKUS) 2006 and 2007, - Editing ENKUS 2006 Proceedings, - Editing a report on ITU's Views on Energy in Turkey and its Future 2007, - Lectures on “Turkish Energy Efficiency Law with its Secondary Legislation”, “General Situation in Turkey in terms of Energy”, “Energy and Environment”, “Energy Management” and “Economical Analysis” within the energy manager courses for industry and building sectors organized by ESCOs in Turkey - Coordinator: Master thesis entitled “Determination of Minimum Energy Efficiency Potential in Turkish Textile Sector” <p>. <u>Industrial Energy Manager Course.</u> Sept 2008 (2 weeks) at EIE, Ankara.</p> <ul style="list-style-type: none"> - Trainee - Trained about energy audits, energy efficiency calculation methods and preparation of technical and financial feasibility report - Conducting energy audit study together with related calculations in a textile factory - Preparing technical and feasibility reports including energy efficiency measures for this textile factory. <p>. <u>Building Energy Manager Course.</u> Nov 2008 (2 weeks) at EIE, Ankara</p> <ul style="list-style-type: none"> - Trainee - Trained about energy audits, energy efficiency calculation methods and preparation of technical and financial feasibility report. <p>. <u>Energy Efficiency and Local Governments</u> Jan.2008-Jan.2009, Awareness Project with Heinrich Böll Stiftung, Yalova Governorship, Muğla Municipality</p> <p>Awareness on Energy Efficiency Implementations at Households and Energy Audits with proper measurements:</p> <p>. Researcher Research on energy efficiency, energy audits methodologies for buildings, measurement techniques, energy efficiency measures and implementations for households. Preparing two guides to create awareness on the energy efficiency for the local governments as well as the public.</p>

1. **Technical booklet** comprising general information about energy sector, energy efficiency regulation in Turkey, **methods of energy audits concerning building with the proper measurement techniques**, and **major energy efficiency measures and implementations for the households, governmental offices and school buildings**.

2. **General booklet** containing basic information on energy, energy efficiency, energy intensity, Turkish energy sector and **simple and/or low cost measures and implementations to improve energy efficiency at households**.

- Participating **2 workshops** to explain these guides in Yalova and Muğla

. Training of Energy Managers in Industry

2010 - 2011, Certification Program with Siemens Turkey.

. Instructor

Trainings on “**Production-Energy Consumption Analyses and Specific Energy Consumption Calculations for Industrial Sub-Sectors**”, “**Energy and Environment**”, “**Economical Analysis of Energy Related Projects**”.

. Wuppertal Institute for Climate, Environment and Energy

July 2010- January 2012

. Visiting Researcher

Preparation of Germany Country Brief Report towards **Low Carbon Society**.

Development of Project on “**2050 Power System Decarbonisation Visions: A Metastudy**”

Long term energy scenario analysis.

Project on “Comparative Evaluation of Energy Efficiency and Renewable Energy Strategies by Energy-Economy-Environment Modelling for Turkey and Germany” with the support of Heinrich Böll Stiftung Foundation in Turkey.

. Institute for Technology and Resources Management in the Tropics and Subtropics at the Cologne University of Applied Sciences

November 2010- June 2012

. Part-time instructor

Master courses entitled “**Energy Efficiency and Environment**” and “**Energy Resources and Systems**”

. Training on “Energy Efficiency: Related Technologies and Legislation”

May 2011, Certification program with BMI – Business Management Institute

. Instructor

Training on “**Modelling Studies in Energy Efficiency**”.

. Training on “Awareness on Energy Efficiency”

September 2011 – March 2012, organized for Turkish Telecom

. Instructor

Trainings on “Energy and Environment”, “Economical Analysis of Energy Related Projects”, “Modelling Studies in Energy Efficiency”, “Energy from Waste” and “Carbon Footprint”

. Project on “Study on Energy Efficiency (EE) Potentials in Turkey in the sectors: Shopping Malls and Tourism”

September 2011 – May 2012 together with Berlin Energy Agency

. Researcher

For shopping mall and tourism, especially hotel, sector analyses in Turkey in terms of energy consumption figures together with related calculations, projects realized or shall be realized for the evaluation of energy saving potentials with their main technologies.

. Project on “EUbuild: Sectoral Collaboration Project with regard to Financing Energy Efficiency in Buildings within the frame of EU Regulations and Legal Arrangements”

October 2011 – December 2012, together with IMSAD

. Researcher

Preparation of country report for Turkey on energy efficiency and financing facts and major provisions for Turkey.

Preparation of guide book including the comparison of Turkey and other partner countries in the project: Albania, Bosnia-Herzegovina, Macedonia, Montenegro and Serbia.

. Project on Data Collection Survey on Efficient Energy Management of the Public Building in Turkey supported by JICA-Japan International Cooperation Agency

July 2012- January 2013

. Administrative Assistant

Evaluation of the results obtained from field test

Preparation of interim and final reports

Presentation of the field test results

. Project on Industrial Energy Efficiency in Ikitelli Organizational Industrial District (OSB) by Maya Project Management

March – June 2015

. Instructor

Totally 20 trainings about energy efficiency, related law and regulations, management standards, energy efficiency audits, energy service companies, energy performance contracting with regard to sub-industries under Ikitelli OSB.

. SBE16 ISTANBUL Smart Metropoles Conference, 13 – 15 October 2016

February 2016 – October 2016

. Conference Secretary and Scientific Committee Member

Dealing with the scientific part of the conference, such as conference topics, selecting appropriate referees for the submitted papers, evaluation of the assigned papers, arranging the program of the conference.

. Project on “Strengthening Communication and Data Sharing Network among Energy Efficiency Stakeholders” in cooperation with Association for Energy Efficiency and Management (EYODER)

July 2019-2020

	<p>. Researcher Recommendation Paper for Strengthening Communication and Data Sharing Network among Energy Efficiency Stakeholders, especially Turkish ESCOs</p>

Date from - date to	Dec 2003 – Feb 2006
Location	Ankara, Turkey
Company	Ministry of Energy and Natural Resources, DG of Renewable Energy (formerly known as EIE)
Position	Engineer
Description	<p>. Department of Energy Resources 2003-2006</p> <ul style="list-style-type: none"> - Engineer Division of “Industrial Energy Efficiency” <p>. <u>Improvement of Energy Efficiency in Turkish Industry Sector</u> 2000-2005, Project with JICA.</p> <ul style="list-style-type: none"> - Researcher - Trainer in National Energy Manager Courses for the industry sector on “Energy Efficiency and the Environment”. <p>. <u>Improvement of Energy Efficiency in Turkey</u> 2005-2006, Twinning Project by ADEME and SenterNovem</p> <ul style="list-style-type: none"> - Researcher and Technical Consultant - Involving activities for review & assessment of the related EE legislation and Identification of barriers & support to implementation energy efficiency measures for industry and building sectors including local governments. - Workshop on EE project funding (Int. Energy for Europe, GEF, FFEM...) Workshop on “program development & implementation” Workshop on “energy audits & services: methods and support for a new market”
Date from - date to	Sep 1999 – Dec 2003
Location	Ankara, Turkey
Company	Middle East Technical University, Environmental Engineering
Position	Research Assistant
Description	<p>. Master thesis entitled “Treatment of Textile Dye-house Wastewater by Algae”</p> <p>. Researches on pollution prevention, energy production through wastes, environmental impact assessment (EIA)</p>

14. Other relevant information (e.g., Publications)

Papers published in international journals

Unal B.B., Onaygil S., **Acuner E.**, Cin R. (2022), “Application of Energy Efficiency Obligation Scheme for Electricity Distribution Companies in Turkey”, Energy Policy, Vol.63.
<https://doi.org/10.1016/j.enpol.2022.112851> **Q1**

Cin, R., **Acuner E.**, Onaygil S., (2020), “Analysis of Energy Efficiency Obligation Scheme implementation in Turkey”, Energy Efficiency, Accepted paper. **Q2**

Acuner, E., Kayalica, M. O., (2020), "Behavior Analysis of Refugees' Electricity Consumption in Developing Countries: Case of Turkey", IEEE Transactions on Engineering Management, Accepted paper. **Q1**

Acuner E., Kayalica M.Ö., (2018), "A review on household energy consumption behavior: how about migrated consumers?", Environmental Economics, Vol. 9, Issue 4, pp. 8-21.

Yurtseven B., Erkin E., **Acuner E.**, Mete S., Onaygil S., (2014), "An Experimental Investigation of Energy Saving Potentials for Room Type Variable-Speed Air Conditioners in Public Offices: A case study from Istanbul", Energy and Buildings, **Vol. 68**, Part A, pp.165–171. **Q1**

Acuner E., Onaygil S., Lechtenböhmer S., Samadi S., Durand A., (2013), "The role of energy efficiency and renewable energy strategies in Turkish energy policy: A comparative analysis", Energy Education Science and Technology Part A, **Vol. 31**, Issue 2, pp. 1171-1184. **Q2**

Acuner, E., Dilek, F. B., (2004), "Treatment of tectilon yellow 2G by *Chlorella vulgaris*", Process Biochemistry, **Vol.39**, Issue 530, 623-631. **Q1**

International Conference Papers

Acuner E., "What is the meaning of being smart for a city", SBE16 ISTANBUL, 13-15 September 2016, Istanbul, Turkey.

Acuner E., Ateş S., Yurtseven M. B., Onaygil S., "How does energy efficiency work? Shopping Malls in Istanbul" IEECB16, 16-18 March 2016, Frankfurt, Germany.

Acuner E., "Status of ESCO Market in Turkey", European Commission, Joint Research Center High Level Workshop on Effective Energy Policies, New Financing Instruments and ESCOs, 10-11 November 2015, Varese, Italy.

Acuner E., Yurtseven M. B., Mete S., Erkin E., Onaygil S., "Is EER Enough? Investigation of Energy Saving Potential for a Room Type Air Conditioner - a case of an office building in Istanbul", IEECB14, 1-3 April 2014, Frankfurt, Germany.

Acuner E. (2013), "Current Status and Perspectives Regarding ESCO Market in Turkey", Policies and Financing Schemes for Energy Efficiency in Buildings, EU Joint Research Center, 18-19 June 2013, Belgrade, Serbia.

Acuner E. (2013), "How to Develop Sustainable Financing Market for the Promotion of Energy Efficiency", ESCO 2013 Conference, 22-23 January 2013, Copenhagen, Denmark.

Acuner E., Onaygil S., (2012), "How to Develop a Sustainable Financing Markets for the Promotion of Energy Efficiency in Building Sector towards Low Carbon Society? Case of Turkey", IEECB12, 18-19 April 2012, Frankfurt, Germany.

Lechtenböhmer S., Gröne M.C., **Acuner E.**, Samadi S., (2010), "Review of Long Term Visions and Strategies for a Sustainable Germany", German Country Brief to the LCS-R Network Second Annual Conference, 20-21 September 2010, Berlin, Germany.

Acuner E., Erkin E., Onaygil S., (2010), "Legislative Framework of Building Sector Energy Efficiency in Turkey", IEECB10, 13-14 April 2010, Frankfurt, Germany.

Onaygil S., Güler Ö., Erkin E., **Acuner E.**, (2010) "Saving Potentials in Energy Consumption of Lighting Systems: Examples from Turkey within the Framework of Energy Efficiency Studies", CIE Conference on Lighting Quality and Energy Efficiency, 14-17 March 2010, Vienna, Austria.

Acuner, E., Erkin, E., Onaygil, S., (2009) "Lighting at hotels in Antalya: Is it efficient enough?", LUX Europa 2009, Turkish National Committee of Illumination, 9-11 September 2009, Istanbul, Turkey, pp. 675-683.

National Conference Papers

Acuner E., Onaygil S., (2017), "Efficient, Smart, Green Settlements: Buildings and Cities, 7th National Energy Efficiency Forum, 11-12 January 2017, Istanbul, Turkey.

Acuner E., Onaygil S., (2011), "*Energy Efficiency and Renewable Energy Strategies in Turkish Energy and Environment Policies*", 2nd National Energy Efficiency Forum, 13-14 January 2011, Istanbul, Turkey.

Kabakci K., Onaygil S., **Acuner E.**, (2011), "*Determination of Minimum Energy Saving Potential in Turkish Textile Sector*", 2nd National Energy Efficiency Forum, 13-14 January 2011, Istanbul, Turkey.

Acuner, E., Erkin, E., Onaygil, S., (2009), "*Legislative Framework of Building Sector Energy Efficiency in Turkey: What awaits our buildings*", 3rd Energy Efficiency and Quality Symposium, 21-22 May 2009, Kocaeli, Turkey.

Acuner, E., Onaygil, S., Satman, A., (2009), "*Financing Mechanisms of ESCOs and Recommendations for Turkey*", 1st National Energy Efficiency Forum, 15- 16 January 2009, Istanbul, Turkey.

Onaygil, S., Erkin, E., **Acuner, E.**, Akdağ, S. A., (2007), "*Situation in Turkey on Building Sector Energy Efficiency within the framework of EU Directives and Best Practices*", TMMOB Turkish VI. Energy Symposium, 22-24 October, 2007, Ankara, Turkey.

Onaygil, S., **Acuner, E.**, (2007), "*Energy Service Companies: Overview of Current Situation in the World*", 1st Energy Efficiency Congress, 01-02 June 2007, Kocaeli, Turkey.

Onaygil S., **Acuner E.**, Erkin, E., (2007), "*Comparison of Law on Energy Efficiency in Turkey with related Legislations Currently Available in the World*", 2nd Energy Efficiency and Quality Symposium, 17-18 May 2007, Kocaeli, Turkey.

Onaygil, S., **Acuner E.**, Erkin, E., "*Energy Efficiency Implementations in the Building Sector and Recommendations for Turkey*", 2nd Energy Efficiency and Quality Symposium, 17-18 May 2007, Kocaeli, Turkey.

Onaygil, S., **Acuner E.**, (2007), "*New Sector in Energy Efficiency: Energy Service Companies*", 26th Energy Efficiency Week, 11-14 April 2007, Ankara, Turkey.

Onaygil, S., **Acuner E.**, Erkin, E., (2007), "*Legislations and Implementations on Energy Efficiency Studies in the Building Sector*", 26th Energy Efficiency Week, 11-14 April 2007, Ankara, Turkey.

Book and/or chapters

Acuner E., "Urban Transformation and Financing", December 2014, ISBN: 978-605-63492-5-6, IMSAD Publication, Istanbul, Turkey (in Turkish).

Acuner E., "Energy Efficiency and Financing in Building Sector", November 2014, ISBN: 978-605-63492-4-9, IMSAD Publication, Istanbul, Turkey (in Turkish).

Acuner E., "*EUbuild EE Project Guidebook*", November 2012, ISBN: 978-605-63492-0-1, IMSAD Publication, Istanbul, Turkey.

Acuner E., Onaygil S., "Guidebook: Road Map for Turkey", November 2012, ISBN: 978-605-63492-1-8, IMSAD Publication under the framework of EUbuild EE project, Istanbul, Turkey (in Turkish).

Edited Books

Acuner E., "Dictionary: New Technical Terms in Sustainable Construction", March 2018, ISBN: 978-605-81691-0-4, IMSAD Publication, Istanbul, Turkey (in Turkish)

Published Reports

Acuner E., "*Country Report of Turkey*", under the framework of EUbuild EE project, October 2012, IMSAD, Istanbul, Turkey (can be downloaded from http://eubuild.com/eng/?page_id=782)

Piller S., Raup T., Onaygil S., **Acuner E.**, "*Study on Energy Efficiency (EE) Potentials in Turkey in the Sectors: Shopping Malls and Tourism*", Berlin Energy Agency, 21 May 2012, Berlin-Germany.