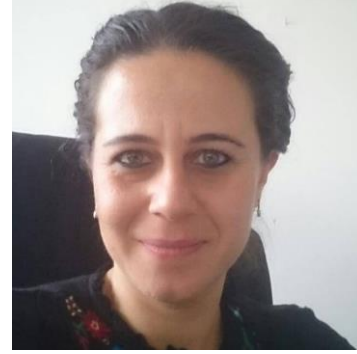


Yelda Erden-Topal

Post-Doctoral Researcher
Science & Technology Policies Research Center (METU-TEKPOL)
&
Dr. Research Assistant
Department of Economics,
Middle East Technical University
<https://avesis.metu.edu.tr/yelda>
Email: yelda@metu.edu.tr & yeldaerden@gmail.com
Linkedin: <https://tr.linkedin.com/in/yelda-erden-topal-35303939>
<https://orcid.org/0000-0003-2093-6685>
(Last update : 04.2021)



EDUCATION

- 03/2016 Ph.D. in Science and Technology Policy Studies
Graduate School of Social Sciences
Middle East Technical University (METU), Ankara/Turkey
Dissertation Tittle: A Policy Design Model for Market Formation of Solar and Wind Electricity Generation in Turkey
Supervisor: Prof. Dr. Erkan Erdil
- 06/2008 Master of Science in Economics
Graduate School of Social Sciences
Middle East Technical University (METU), Ankara/Turkey
- 06/2005 Bachelor of Science in Economics
Faculty of Economic and Administrative Sciences
Hacettepe University, Ankara/Turkey

RESEARCH INTERESTS

Economics of Technological Change and New Technologies
Science, Technology and Innovation Policy and Politics,
Diffusion of Emerging Renewable Energy Technologies
Renewable Energy Systems (Focus on Solar and Wind Energy)
Sustainability Transitions

WORK EXPERIENCE

- 03/2021-
Present Post-Doctoral Researcher,
Middle East Technical University - Science & Technology Policies Research Center
(METU-TEKPOL)
- 03/2021-
Present Dr. Research Assistant,
Middle East Technical University- Department of Economics

- 03/2020-
03/2021 Post-Doctoral Researcher,
Innovation, Industrial Property and Technology Policy Research Group,
Department of Business Administration, E.T.S. Ingenieros Industriales,
Universidad Politécnica de Madrid &
Renewable Energy Unit, CIEMAT-Centro de Investigaciones Energéticas,
Medioambientales y Tecnológicas (*Funded by TUBITAK 2219-International Postdoctoral
Research Fellowship Program for Turkish Citizens for one year*)
- 01/2012-
03/2020 Dr. Research Assistant
Middle East Technical University - Vice Presidency Office
- 09/2008-
03/2020 Researcher
Middle East Technical University - Science & Technology Policies Research Center
(METU-TEKPOL)
- 09/2017-
01/2020 Part Time Lecturer (5 semesters) (Econ 210- Principles of Economics)
Middle East Technical University- Department of Economics

RESEARCH & PROJECT WORK EXPERIENCE

- 01/2021-
01/2025
(48 months) Researcher
TUBITAK 1004 Programme Turkish Photovoltaic Technology Platform (TFTP)-
Socio Economic Impact Assessment (SEIA) of the Research Programme
Summary of the Key Function: To work for building the research and
implementation idea of the SEIA, and for the preparation and submission of the
project proposal as an interdisciplinary team member from METU Faculty of
Economics and Administrative Sciences and Faculty of Arts and Sciences (with
Prof. Dr. Ramazan Sarı, Prof. Dr. Erkan Erdil, Assoc. Prof. Dr. Pınar Derin Güre,
Asst. Prof. Dr. Besim Can Zırh). Co-leading one of three work packages in the
project to make the SEIA of the scientific research programme of TFTP and
impose science and technology policy implications for improving the platform
towards increasing the skills and abilities for domestic technology development
in solar energy.
- 01/2020-
01/2023
(36 months) Researcher & Communication and Outreach Manager
SolarTwins: Solar Twinning to Create Solar Research Twins (SolarTwins Grant
agreement ID: 856619), funded by EU H2020 Programme, Coordinator: Prof. Dr.
Derek Baker (METU ME-GUNAM), <https://cordis.europa.eu/project/id/856619>
Summary of the Key Function: Actively working for the preparation and submission
of the project proposal (*used TUBITAK International Travel Support to improve the
proposal with foreign project partners*). Networking and communication activities for
dissemination of the project before the project kick-off to attract the interest
and attendance of the national audience and stakeholders in Concentrating Solar
Thermal Technologies in Turkey. Being in the organization team of Kick-off
Meeting and the Open ODAK2023 Kick-off Event hosted 95 participants
including bureaucrats, academics, businessmen and researchers. Supporting the
Organization of ODAKTr Seminar Series as a part Communication, Outreach,
Dissemination and Exploitation (CODE) activities of SolarTwins, contributing
two of nine Joint Research Lines (JRL 8: Turkey's EU-SOLARIS ERIC

Membership and JRL 9: Social Aspects of Sustainable Energy Transitions) working for the reporting deliverables. (<http://solartwins.metu.edu.tr/>)

- 04/2019-
04/2021
(36 months) Researcher
HORIZON-STE: Implementation of the Initiative for Global Leadership in Solar Thermal Electricity (H-STE Grant agreement ID: 838514), Coordinator ESTELA (European Solar Thermal Electricity Association), funded by EU H2020 Programme Inst. Coordinator: Prof. Dr. Derek Baker,
<https://cordis.europa.eu/project/id/838514>
Summary of the Key Function: Being in the research team and worked as the local contact point of the project team to prepare Turkey CSP Country Report(first of the 14 European Country's Report projected to be prepared by ESTELA in H-STE Project and promoted as the reference report for other countries- report submitted in June 2020, and under review of EC), supporting the coordinator for reporting the deliverables about national conditions and opportunities for CST in Turkey in the EU Context, following the coordination meetings of the project, supporting the project consortium for outreach activities (ex: SET-PLAN JA2 Workshop).
- 08/2014,
08/2015
(12 months) Researcher
TUBITAK 1002 Research Project No: 114K070-Market Formation of Electricity Generation from Renewable Sources: Solar and Wind Energy Case in Turkey, Coordinator: Prof. Dr. Erkan Erdil, METU Economics & TEKPOL
Summary of Key Functions: To work preparation and submission of the project proposal, and execution of the project to fully fund my PhD. Dissertation field research. To design science and technology policies for diffusion of electricity generation from renewable sources by analyzing supporting mechanisms and blocking factors on market formation of wind and solar electricity generation in Turkey. Conducting the field research (57 expert interviews from public institution, research institutions and private sector organizations in Ankara, Istanbul, İzmir, Antalya, Denizli, Balıkesir, Kayseri and Gaziantep)
- 02/2012,
02/2013
(12 months) Researcher
The Progress Analysis of Suggestions in National Innovation Initiative-The Framework Report for Innovation, 2006-2013 Period Project
Summary of Key Functions: Working with the project team in the analysis of improvements in Turkish Science and Technology Realm that are related to realization of suggestions in "The Framework Report for Innovation" published in 2006 by National Innovation Initiative (UIG). (*funded by TUSIAD-Sabancı University Competitiveness Forum*)
- 01/2011,
04/2011
(3 Months) Researcher
The Strategic Analysis of ICT Sector in Ankara Project
Summary of Key Functions: Working with the project team in strategic analysis of ICT Sector in Ankara by focusing on ICT firms in four most known technoparks in Ankara: METU-TECH, Bilkent Cyberpark, Gazi Teknopark and Hacettepe Technopolis. (*Funded by: Ankara Development Agency*)

- 12/2010,
10/2011
(10 months) Researcher
Evaluation and Restructuring of Research Centers at METU Project
Summary of Key Functions: Working with the project team in analysis of the current situation and restructuring of Research Centers (mainly reporting to Office of the President) and formulating policy proposals for new organizational structure. *(funded by Ministry of Development & METU)*
- 12/2009,
09/2010
(9 months) Researcher
Analysis of research and development activities (R&D) activities of foreign firms in the Turkish economy
Summary of Key Functions: Working with the project team in analysis of R&D activities of foreign firms (multi-national companies) in Turkish economy and preparing policy proposals depending on this analysis. *(Funded by: YASED-International Investors Association of Turkey)*
- 06/2009,
09/2010
(15 months) Junior Researcher/Project Assistant
Turkey-ICT RTD Technological Audit-Contract No:30-CE-0262072/00-15
Summary of Key Functions: Working with the project team & contributors to carry out a technological audit on ICT research in Turkey to identify: (a) The ICT RTD policy environment in Turkey and, the opportunities and barriers it presents (b) The centers of excellence and centers with development potential for FP7 ICT Theme (c) The actions that need to be taken at national and European level to increase the participation of organizations carrying out ICT RTD in both private and public sectors. *(Funded by EU-DGInfSo)*
- 02/2009,
05/2010
(15 months) Project Assistant
TUBITAK 1001 Research Project No: 108K448 “Traditional and Modern Economic Visions and Global Capitalism”
Summary of Key Functions: Assisting the project leader and researcher to construct a game-theoretic model that examines the repercussions of interactions between a “capitalist” understanding in Turkey and the “traditional” understanding that is claimed to be in contradiction with this capitalist understanding. *(funded by TUBITAK)*
- 06/2008,
09/2008
(3 months) Project Assistant
Management Consulting for Process Improvement Project
Summary of Key Functions: Working with project team to provide process improvement in issuing processes of certificates in the responsibility of General Directorate of Road Transport- Ministry of Transport of Turkey *(Funded by: Ministry of Transport of Republic of Turkey)*

PUBLICATIONS

- 2021,
April “A Bibliometric Study on Socio-Economic Impact Assessment of Photovoltaic Technology”, Renewable Energy PVCON 2020 Special Issue (with P. Derin-Güre, B.C. Zırh, E. Yazıcı, E. İpek, A. Deveci, E. Erdil, R.Sarı), *Submitted and Under review*

- 2021,
April “Sustainable Cities and Renewable Energy: The Case of Istanbul” in *Transitioning towards SDG11 via the circular economy: Framework and Case Studies* (ed. Shyama V. Ramani and Hiroshan Hettiarachchi), (with B. H. GURSOY- HAKSEVENLER and G.SENOGLU), *Under review*.
- 2020,
June Horizon STE Project (H2020 Programme) CSP / STE Turkey Country Report (*as the first country report prepared for the Deliverable 2.3 Integrated Country Report*) – submitted to EC, in process of approval, then will be available public.
- 2019,
January “Sustainability Transitions and Innovation Review: Turkey”, in *Global Map of Eco-innovation Related Policies, European Commission pg:85-147*, Ref. Ares (2019) 572347 - 31/01/2019 (with İ.P. SAVUT and S.TÜRKELİ)
<https://ec.europa.eu/research/participants/documents/downloadPublic?documentIds=080166e5c120c459&appId=PPGMS>
- 2018,
May “Girişimci Üniversitenin Temelleri: Üniversite ve Sanayi Neden İşbirliği Yapar? Türkiye’de Yenilenebilir Enerji Sektöründen Bir Örnek”, TSE Standard Dergi, Sayı: 666, syf: 36-44
- 2016,
March “A Policy Design Model for Market Formation of Solar and Wind Electricity Generation in Turkey”, unpublished PhD. Dissertation, Graduate School of Social Sciences, METU,
<http://etd.lib.metu.edu.tr/upload/12619831/index.pdf>
- 2015,
July “Yenilenebilir enerji kaynaklarına dayalı elektrik üretimi piyasasının oluşumu: rüzgar ve güneş enerjisi bağlamında Türkiye örneği (in Turkish)” (with Erkan Erdil& Gülsevım Evsel), TUBİTAK 114K070 Project Report,
<https://app.trdizin.gov.tr/proje/TVRVMk1EYzM/yenilenebilir-enerji-kaynaklarina-dayali-elektrik-uretimi-piyasasinin-olusumu-ruzgar-ve-gunes-enerjisi-baglaminda-turkiye-ornegi>
- 2014,
April “Ulusal Inovasyon Girişimi 2006-2013 Dönemi Değerlendirme Raporu (in Turkish)”, TUSİAD Sabancı Üniversitesi Rekabet Forumu, (with C.DURUKAN, A.ERTAN, M.DOĞAN, S. KARAATA) http://ref.sabanciuniv.edu/sites/ref.sabanciuniv.edu/files/ulusal_inovasyon_2006-20013.pdf
- 2013,
January “Değişen üniversite-sanayi işbirliğinde üniversite örgütlenmesi (in Turkish)”, SBF Dergisi, Cilt 68, No. 2, 2013, s. 95 – 127 (with E.ERDİL, M. T.PAMUKÇU, İ. S.AKÇOMAK)
<http://www.politics.ankara.edu.tr/dergi/pdf/68/2/4.-Erkan-Erdil-.pdf>
- 2012,
January “Establishment and Development of Academic Spin – Off Firms by Evidence from Turkey and Some Policy Recommendations” (with A.E.YURTSEVEN), Science And Technology Policies Research Center-TEKPOL Working Paper Series, STPS-WP-12/04
http://stps.metu.edu.tr/en/system/files/stps_wp_1204.pdf
- 2011,
October “METU Research Centers Evaluation Report”, METU Research Centers Project Public Report (in Turkish with E.ERDİL, M. T.PAMUKÇU, İ. S.AKÇOMAK).
- 2011,
September “Analysis of R&D Activities of Foreign Firms in Turkish Economy”, YASED Project Public Report (in Turkish with E.ERDİL, M.T.PAMUKÇU, E.KEPENEK, T. GÖKSİDAN)
- 2011,
March “Turkey-ICT RTD Technological Audit, Public Report”, (with Erkan Erdil, M. Teoman Pamukçu, Serdar Türkeli, Tolga Göksidan)
- 2009,
September “Public R&D Support and the Models of Innovation: Which model of innovation to legitimize Public R&D Policy?” (in Turkish), *Ekonomi Bilimleri Dergisi*, Cilt 1, Sayı 2, 2009 ISSN: 1309-8020.

WORK in PROGRESS

- ✓ Turkish Concentrated Solar Power / Solar Thermal Energy Sector Stakeholder Mapping- Qualitative & Quantitative Analysis (*presented in EAEPE 2020 Conference*)
- ✓ A Policy Design Model For Market Formation of Solar And Wind Electricity Generation In Turkey and An ampirical analysis for Policy proposals (*presented in EAEPE 2020 Conference*)
- ✓ Market Formation in Solar and Wind Electricity Generation in Turkey: Technological Innovation System Approach
- ✓ Comparative analysis of innovation systems & global value chains-Literature Review and Comparative Country Analysis of Spain and Turkey
- ✓ Inducement and blocking mechanisms in diffusion of emerging renewable energy technologies in Turkey: An ampirical analysis

CONFERENCES / PRESENTATIONS / MEETINGS

- 13/ 10/2021** Technological Developments and Financial Opportunities in Solar Technologies, with Derek Baker and Ilker Tari, Yapı Kurumsal Akademi Seminars
(Seminar)
- 08/01/2021** CST in Turkey: Current State and National Strategies to Exploit Opportunities, presented in ODAKTR Seminer Series - H2020 SolarTwins Project Seminars, <https://www.youtube.com/watch?v=KtxWxV1qqaA&t=463s>
(Presentation)
- 02/12/2020** Review of socio-economic impacts of PV technology development in the developing countries context, presented in PVCON2020 International Conference on Photovoltaic Science and Technologies, 30 Nov - 2 Dec 2020, Middle East Technical University, Ankara – Turkey (with Erkan Erdil, Pınar Derin Güre, Besim Can Zırh, Ramazan Sari)
(Conference Presentation)
- 27/11/2020** Developing Renewable Energy Generation in the Global Economy: Co –evolution of Renewable Energy Technological Innovation System and Global Values Chains, presented in Seminar of Technology Management MSc. Programme of Innovation and Technology Management Graduate Programme.
(Presentation)
- 19/10/2020** SET-PLAN Joint Action (JA) 2 Workshop 2020- Deep Geothermal Implementation Working Group Support Unit, represented H2020 Horizon STE Project with Prof. Dr. Derek K. Baker and make a presentation about Horizon STE Project among 10 H2020 JA projects supporting the implementation of the SET-Plan
(Meeting)
- 04/09/2020** Development of Concentrated Solar Power / Solar Thermal Energy Technologies Sector in Turkey: Local integration to Global Value Chains through International Channels, presented in *The 32nd Annual EAEPE Conference 2020, The Evolution of Capitalist Structures: Uncertainty, Inequality, and Climate Crisis, September 02-04, 2020*, Full Paper Presentation (with Erkan Erdil and Arsev U. Aydinoglu)
(Conference Presentation)
- 03/09/2020** A Policy Design Model For Market Formation Of Solar And Wind Electricity Generation In Turkey, presented in *The 32nd Annual EAEPE Conference 2020, The Evolution of Capitalist Structures: Uncertainty, Inequality, and Climate Crisis, September 02-04, 2020*, Full Paper Presentation (with Erkan Erdil and Antonio Hidalgo)
(Conference Presentation)

- 27/06/2020** Market Formation in Solar and Wind Electricity Generation in Turkey : Technological Innovation System Approach, presented in *ICEEE 2020- International Conference on Economics, Energy and Environment (online conference)*, June 25-27, 2020 Full Paper Presentation (with Erkan Erdil)
(Conference Presentation)
- 26/02/2020** Development of CSP / STE Sector in Turkey: Local integration to Global Value Chains Through International Channels (with Prof. Dr. Erkan Erdil), presented in *ODAK 2023 Sunrise for Concentrating Solar Thermal (CST) in Turkey*, METU Teknokent, İkizler Building Conference Room, Ankara /Turkey
(Conference Presentation)
- 05/09/2019** EUSOLARIS ERIC-The European Solar Thermal Research Infrastructure for Concentrated Solar Power, Board of Government Representatives (BGR)Meeting, with Prof. Dr. Derek Baker (METU Mechanical Engineering), as National Scientific Representatives from Turkish Scientific Node –METU GÜNAM
(Meeting)
- 26/07/2019** “SolarTwins (Solar Twinning to Create Solar Research Twins)- METU GÜNAM ODAK-Success Story”, TUBITAK H2020 Widening Programme - Project Writing Camp Twinning Event, Ankara / Turkey.
(Presentation)
- 07/05/2019** HORIZON STE- Implementation of the Initiative for Global Leadership in Solar Thermal Electricity (Grant No: 838514) Kick-off Meeting, Brussels / Belgium
(Meeting)
- 30/11/2018** “Can Renewable Energy be a solution?” presented (in Turkish) in METU-TEKPOL& TTGV Pizza Seminars (organized weekly since May 2017), in Middle East Technical University, Ankara / Turkey.
(Presentation)
- 29/11/2018** Turkey’s Approach to Decarbonising the Energy Sector: A Renewable Energy Perspective (with Derek Baker (*the main presenter and panelist*) and Erkan Erdil), presented in *CSP4Climate 2018 International Conference: Decarbonisation of Energy Sector in Mediterranean Region and the Middle East, The role of CPS*, 29.11-01.12.2018, in Nicosia/Cyprus.
(Presentation)
- 17/08/2018** EUSOLARIS ERIC-The European Solar Thermal Research Infrastructure for Concentrated Solar Power, Board of Government Representatives (BGR)Meeting, with Prof. Dr. Derek Baker (METU Mechanical Engineering), as National Scientific Representatives
(Meeting)
- 10/09/2018** Inducement and blocking mechanisms in diffusion of emerging renewable energy technologies in Turkey: An ampirical analysis, paper presented in *STS Turkey 2018, Science and Technology Studies for Society Conference*, Middle East Technical University, Ankara /Turkey, 10.09-11.09.2018
(Conference Presentation)
- 01/09/2017** Confidential Economic Life and Relations in the Simplicity of Everyday Life (with Gülsevım Eysel), paper presented in *13th Conference of the European Sociological Association – (Un)Making Europe: Capitalism, Solidarities, Subjectivities*, Athens/Greece, 29.08-01.09 2017
(Conference Presentation)
- 12/05/2017** “An Analysis of Market Formation in Solar and Wind Electricity Generation in Turkey From the Perspective of Technological Innovation System Approach” (with Erkan Erdil), presented in *EconAnadolu 2017-Anadolu International Conference in Economics*, May, Eskisehir/Turkey, 11-13 May 2017
(Conference Presentation)
- 26/08/2015** Who is under the sword of Damocles? Science and Technology Policy Making in Turkish Health Biotechnology and Renewable Energy Sectors (with Gülsevım Eysel), paper presented in *12th Conference of the European Sociological Association – Differences, Inequalities and Sociological Imagination*, Prague/Czech Republic, 28-31 August 2013
(Conference Presentation)

- 20/11/2014
(Conference
Presentation) “Diffusion of Solar Electricity in Turkey : An investigation from Producer and Supplier Sides”, paper presented in SOLARTR 2014 Solar Conference and Exhibition, Izmir /Turkey, November 19 - 21, 2014 (with Erkan Erdil)
- 13/09/2013
(Conference
Presentation) “Can Renewable Energy Solve the Problem? Preliminary Remarks on Basic problems in Turkish Energy Sector and Suggestions for Solution”, paper presented in 11th GLOBELICS International Conference: Entrepreneurship, Innovation Policy and Development in an Era of Increased Globalization, Ankara/Turkey, 11-13 September 2013
- 29/08/2013
(Conference
Presentation) “Perceptions on Changing the Energy Sector in Turkey: Renewable Sources or Imported Fossil Fuels?”, paper presented in 11st Conference of the European Sociological Association – Crisis, Critique and Change, Turin/Italy, 28-31 August 2013
- 25/05/2010
(Presentation) “Internationalization of R&D For Developing Countries: Determinant, Motives and National Policies”, poster presented in Workshop on Internationalization of R&D, organized by JRC-IPTS Institute for Prospective Technological Studies (Spain), METU- TEKPOL (Turkey) and TUBITAK (Turkey), Ankara/Turkey, 25-26 May 2010
- 23/01/2010
(Conference
Presentation) “Establishment & Development of Academic Spin-off Firms: Evidence from Turkey” (with Alp Eren Yurtseven), paper presented in DRUID Dime Academy Winter 2010 Phd Conference: Innovation, Knowledge & Entrepreneurship, in Aalborg/Denmark, 21-23 January 2010 (Trip is financed by TUBITAK-Science Fellowships and Grant Programmes, fellowship for Phd Students for Participation to Scientific Activities in Abroad)
- 25/09/2009
(Conference
Presentation) “Public R&D Support and the Models of Innovation: Which model of innovation to legitimize Public R&D Policy?” (in Turkish), paper presented in Social Sciences Research Society (SoSReS)-Management and Economy Sciences Conference, in Izmir/Turkey, 24-25 September 2010
- 10/12/2009
(Conference
Presentation) “New Capitalism in Turkey and New Working Conditions: Information and Communication Technologies Sector in Turkey” (in Turkish) paper presented in Turkish Social Sciences Association (TSBD)-11th National Conference on Social Sciences in Ankara/Turkey, 9-11 December 2009

OTHER ACTIVITIES

- 03, 2020-
03, 2021 Scholarship for one year for the Postdoctoral Research Project of “Developing Renewable Electricity Generation in the Global Economy: Co -evolution of Renewable Energy Technological Innovation System and Global Values Chains” from TUBITAK 2219-International Postdoctoral Research Fellowship Program for Turkish Citizens for one year (2018 II. Term)
- 12, 2020-
03, 2021 Programming as a member of Organization Team of Winter 2020/2021 ODAKTR Concentrating Solar Thermal (CST) Webinar Series (under the Communication, Outreach, Dissemination, and Exploitation (CODE) Activities of SolarTwins, <http://solartwins.metu.edu.tr/events/>)
- February,
2020 Organization of ODAK 2023 Kick Off Event ODAK 2023 Sunrise for Concentrating Solar Thermal (CST) in Turkey, Co-Chair, Open Workshop in SolarTwins Kick -Off Activities, METU Teknokent, İkiizler Building Conference Room, Ankara /Turkey (with Project Team Lead by Prof. Dr. Derek K. Baker)
- May,
2017 Organization of “INNO4SD Sustainability Transitions and Country Review Workshop” at METU, organized by The Global Network of Networks about Innovation for Sustainable

Development, Inno4SD Network, UNU MERIT United Nations University (UNU-MERIT)-Maastricht Economic and Social Research Institute on Innovation and Technology, Maastricht University, METU-TEKPOL, May 25, 2017.

- June, 2015** Contribution to organization of “SEES (*Summit for Sustainable Development*) Workshop” at METU, organized by McDonell Academy Global Energy and Environmental Partnership Solar Energy and Energy Storage (MAGEEP-SEES Initiative), METU-GÜNAM and METU Vice Presidency, June 1-3, 2015
- June, 2014** Participation to 5th UGR Erasmus Staff Training Week for General University Administration, University of Granada (UGR), Granada / Spain, 2-6 June 2014 (Trip is financed by METU Erasmus Staff Training Program).
- May, 2012** Participation to “EIS-Energy Innovation Systems Summer School”, organized by Strategic Research Alliance for Energy Innovation Systems and their dynamics, Aalborg, Denmark, 21-25 May 2012 (Trip is financed by TUBITAK-Science Fellowships and Grant Programmes Department, fellowship for Phd Students for Participation to Scientific Activities in Abroad).
- December, 2010** Participation to One Week Intensive Course Program on “*The Design and Evaluation of Innovation Policy (DEIP) in An Emerging Country Context*” organized jointly by UNU-MERIT Maastricht, TUBITAK and METU TEKPOL, Gebze/Turkey, 6-10 December 2010 (Trip is financed by METU TEKPOL and TUBITAK).
- March-April, 2005** Participation in “Certificate Program for Foreign Trade Specialism” (in Turkish), Turkish Foreign Trade Foundation (TDV), 05 March-23 April 2005, Ankara/Turkey.

SKILLS

- Languages** Turkish (Native), English (YÖKDİL (07.2017): 93.75 & YDS (04.2018): 92.5)
- Computer** Microsoft Windows, Microsoft Office (MS Word, MS Excel, MS Power point, MS Visio), Stata, E-views