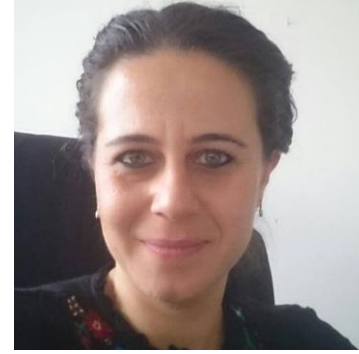


# Yelda Erden-Topal

Research Assistant,  
Middle East Technical University,  
Vice Presidency Office&  
Science and Technology Policies Research Center (TEKPOL)  
Phone: +90 312 210 7123-3810  
Email: [yeldae@metu.edu.tr](mailto:yeldae@metu.edu.tr) & [yeldaerden@gmail.com](mailto:yeldaerden@gmail.com)  
Linkedin: <https://tr.linkedin.com/in/yelda-erden-topal-35303939>  
(Last update : 03.2019)



## 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
- 06/2001 Gölbaşı Anatolian High School, Ankara/Turkey

## RESEARCH INTERESTS

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

## WORK EXPERIENCE

- 01/2012-  
Present Dr. Research Assistant  
Middle East Technical University - Vice Presidency Office
- 09/2008-  
Present Researcher  
Middle East Technical University - Science & Technology Policies Research Center  
(METU-TEKPOL)
- 09/2017-  
Present Part Time Lecturer,  
Middle East Technical University- Department of Economics

## RESEARCH EXPERIENCE

- Accepted but not started yet      Researcher  
HORIZON-STE: Implementation of the Initiative for Global Leadership in Solar Thermal Electricity
- 08/2014,  
08/2015  
(12 months)      Researcher  
Project Title: TUBITAK 1002 Research Project No: 114K070 “Market Formation of Electricity Generation from Renewable Sources: Solar and Wind Energy Case in Turkey”  
Contractors: METU TEKPOL & TUBITAK-SOBAG  
Funded by: TUBITAK  
Project Team: Prof. Dr. Erkan Erdil, Ph.Dc. Gülsevim Eysel  
Summary of Key Functions: 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 production 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  
Project Title: The Progress Analysis of Suggestions in National Innovation Initiative-The Framework Report for Innovation, 2006-2013 Period  
Contractors: TUSIAD-Sabancı Univ. Competitiveness Forum & METU TEKPOL  
Funded by: TUSIAD-Sabancı University Competitiveness Forum (REF)  
Project Team: Muhsin Doğan, Cansu Durukan, Asli Ertan, Selçuk Karaata  
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).
- 01/2011,  
04/2011  
(3 Months)      Researcher  
Project Title: The Strategic Analysis of ICT Sector in Ankara  
Contractors: Ankara Development Agency and METU TEKPOL  
Funded by: Ankara Development Agency  
Project Team: Prof. Dr. Erkan Erdil, Assoc. Dr. M. Teoman Pamukçu, Cansu Durukan, Asli Ertan, Gülsevim Eysel, Derya Fındık, Anıl Tay  
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.
- 12/2010,  
10/2011  
(10 months)      Researcher  
Project Title: Evaluation and Restructuring of Research Centers at METU  
Contractors: Ministry of Development, METU President Office Research Coordination Dep. and METU-TEKPOL  
Funded by: Ministry of Development & METU  
Project Team: Prof. Dr. Erkan Erdil, Assoc. Dr. M. Teoman Pamukçu, Asst. Prof. Dr. İ. Semih Akçomak  
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.
- 12/2009,  
09/2010  
(9 months)      Researcher  
Project Title: Analysis of research and development activities (R&D) activities of foreign firms in the Turkish economy  
Contractors: YASED and METU-TEKPOL  
Funded by: YASED (International Investors Association of Turkey)  
Project Team: Prof. Dr. Erkan Erdil, Assoc. Prof. Dr. M. Teoman Pamukçu, Tolga

Göksidan, Emek Kepenek

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.

- 06/2009,  
09/2010  
(15 months)
- Junior Researcher/Project Assistant  
Project Title: Turkey-ICT RTD Technological Audit-Contract No:30-CE-0262072/00-15  
Contractors: European Commission, Directorate General Information Society and Media (DGInfSo) and METU-TEKPOL  
Funded by: EU-DGInfSo  
Project Team: Prof. Dr. Erkan Erdil, Assoc. Dr. M. Teoman Pamukçu, Tolga Göksidan, Serdar Türkeli  
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.
- 02/2009,  
05/2010  
(15 months)
- Project Assistant  
Project Title: TUBITAK 1001 Research Project No: 108K448 “Traditional and Modern Economic Visions and Global Capitalism”  
Contractors: Hacettepe University-Dep. of Economics and TUBITAK-SOBAG  
Funded by: TUBITAK  
Project Team: Prof. Dr. Hüseyin Özel and Assoc. Prof. Naci Canpolat  
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.
- 06/2008,  
09/2008  
(3 months)
- Project Assistant  
Project Title: Management Consulting for Process Improvement Project  
Contractors: General Directorate of Road Transport- Ministry of Transport of Republic of Turkey & Oruçoğlu Education and Consultancy Serv.Co. (ODEM)  
Funded by: Ministry of Transport of Republic of Turkey  
Project Team: Productivity Expert Sumru Tümer, Evrim Oya Güner  
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
- 06/2007,  
06/2008  
(12 months)
- Field Researcher  
Project Title: ‘TUBITAK 1001 Research Project no: 105K151, TİFALDİ: Language test for children speaking Turkish”  
Contractors: METU-Dep. of Psychology and TUBITAK-SOBAG  
Funded by: TUBITAK  
Project Team: Prof. Dr. Ayşe Gül Güven and Prof. Dr. Sibel Kazak –Berument  
Summary of Key Functions: To support project team in field research to gain experience in carrying out field research in social sciences (to conduct language in six cities -Muğla, Isparta, Balıkesir, Ankara, İzmir, Hatay - in Turkey)
- 03/2007,  
09/2007  
(6 months)
- METU, Library-Part Time Student Scholarship  
Position: Part time student assistant  
Summary of Key Functions: Assisting library staff

## PUBLICATIONS

- 2018,  
November “Market Formation in Solar and Wind Electricity Generation in Turkey: Technological Innovation System Approach” submitted to *Renewable Energy*, under review.
- 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://trdizin.gov.tr/publication/project/detail/TVRVMk1EYzM=>
- 2014,  
April “Ulusal Inovasyon Girişimi 2006-2013 Dönemi Değerlendirme Raporu (in Turkish)”, TUSİAD Sabancı Üniversitesi Rekabet Forumu, (with Cansu Durukan, Aslı Ertan, Muhsin Doğan and Selcuk Karaata) [http://ref.sabanciuniv.edu/sites/ref.sabanciuniv.edu/files/ulusal\\_inovasyon\\_2006-20013.pdf](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 Erkan Erdil, M. Teoman Pamukçu, İ. Semih 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 Alp Eren Yurtseven), Science And Technology Policies Research Center-TEKPOL Working Paper Series, STPS-WP-12/04 <http://stps.metu.edu.tr/sites/stps.metu.edu.tr/files/1204.pdf>
- 2011,  
October “METU Research Centers Evaluation Report”, METU Research Centers Project Public Report (in Turkish with Erkan Erdil, M. Teoman Pamukçu, İ. Semih Akçomak), <http://stps.metu.edu.tr/sites/stps.metu.edu.tr/files/ARMER-RAPORU-13ekim-enson.pdf>
- 2011,  
September “Analysis of R&D Activities of Foreign Firms in Turkish Economy”, YASED Project Public Report (in Turkish with Erkan Erdil, M. Teoman Pamukçu, Emek Kepenek, Tolga Göksidan) <http://stps.metu.edu.tr/yased>
- 2011,  
March “Turkey-ICT RTD Technological Audit, Public Report”, (with Erkan Erdil, M. Teoman Pamukçu, Serdar Türkeli, Tolga Göksidan), <http://stps.metu.edu.tr/sites/stps.metu.edu.tr/files/task9.pdf>
- 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 [http://www.sobiad.org/eJOURNALS/dergi\\_EBD/arsiv/ebd-2009/03yelda\\_erden.pdf](http://www.sobiad.org/eJOURNALS/dergi_EBD/arsiv/ebd-2009/03yelda_erden.pdf)

## WORK in PROGRESS

- Policy proposals for diffusion of renewable electricity generation in Turkey: An ampirical analysis
- Theories of Technology Policy Design for Emerging Renewable Energy Technologies: A literature Reviews (in Turkish)
- Inducement and blocking mechanisms in diffusion of emerging renewable energy technologies in Turkey: An ampirical analysis

## CONFERENCES and PRESENTATIONS

- 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.
- 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 Mediterrenian Region and the Middle East, The role of CPS*, 29.11-01.12.2018, in Nicosia/Cyprus.
- 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
- 01/09/2017 Confidential Economic Life and Relations in the Simplicity of Everyday Life (with Gülsevım Eysel), paper presented in *13<sup>th</sup> Conference of the European Sociological Association – (Un)Making Europe: Capitalism, Solidarities, Subjectivities*, Athens/Greece, 29.08-01.09 2017
- 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, Eskişehir/Turkey, 11-13 May 2017
- 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 *12<sup>th</sup> Conference of the European Sociological Association – Differences, Inequalities and Sociological Imagination*, Prague/Czech Republic, 28-31 August 2013
- 20/11/2014 “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 “Can Renewable Energy Solve the Problem? Preliminary Remarks on Basic problems in Turkish Energy Sector and Suggestions for Solution”, paper presented in *11<sup>th</sup> GLOBELICS International Conference: Entrepreneurship, Innovation Policy and Development in an Era of Increased Globalization*, Ankara/Turkey, 11-13 September 2013

- 29/08/2013 “Perceptions on Changing the Energy Sector in Turkey: Renewable Sources or Imported Fossil Fuels?”, paper presented in *11<sup>st</sup> Conference of the European Sociological Association – Crisis, Critique and Change*, Turin/Italy, 28-31 August 2013
- 25/05/2010 “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 “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 “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 “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

- 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 5<sup>th</sup> 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