

# CEM İSKENDER AYDIN

Curriculum Vitae

Last update: September, 2024

## CONTACT INFORMATION

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**Researchgate** [https://www.researchgate.net/profile/Cem\\_Ayding](https://www.researchgate.net/profile/Cem_Ayding)

## EDUCATION

### PHD IN ECOLOGICAL ECONOMICS 2012 –2017

**Université de Versailles Saint Quentin-en-Yvelines – Université Paris Saclay, FRANCE**

*PhD Thesis: Cross-scale governance using multi-criteria, multi-stakeholder evaluation methods to mediate environmental conflicts: The case of nuclear powerplants in Turkey (Advisor: Martin O'Connor)*

### MASTER 2 IN ENVIRONMENTAL AND RESOURCE ECONOMICS (ERNEA) 2010 –2011

**Toulouse School of Economics, Toulouse, FRANCE**

*Graduate Thesis: Empirical Evidence of Order and Embedding Effects in Contingent Valuation Surveys: A pilot survey (Advisor: Henrik Andersson)*

### MASTER OF ARTS IN ECONOMICS, 2007-2010

**Bogazici University, Istanbul, TURKEY**

*Graduate Thesis: Should Turkey Accept GMO Farming? A Social Multicriteria Evaluation for Cotton Farming (Advisors: Begüm Özkaynak, Gökhan Özertan)*

### BACHELOR OF ARTS IN ECONOMICS, 2003-2007

**Boğaziçi University, Istanbul, TURKEY**

### HIGH SCHOOL DIPLOMA (CURRICULUM IN FRENCH) 1998-2003

**Le Lycée de Galatasaray, Istanbul, TURKEY**

## FIELDS OF INTERESTS AND EXPERTISE

Environmental Governance, Ecological Economics, Environmental Valuation and Evaluation, Energy and Climate Policy, Climate Justice, Environmental Justice, Ecological Distribution Conflicts

# PUBLICATIONS

## JOURNAL ARTICLES (PEER REVIEWED)

- Pascual, U., Balvanera, P., Anderson, C.B. *et al.* (2023). Diverse values of nature for sustainability. *Nature* 620, 813–823 <https://doi.org/10.1038/s41586-023-06406-9> (SCI Expanded)
- Turhan, E., **Aydın, C. İ.** (2023). Hegemonik Akıntıya Karşı Durmak: Türkiye'de Yaygınlaşan Yenilenebilir Enerji Karşıtı Mücadeleler Üzerine Düşünceler. *Praksis: Quarterly Journal of Social Sciences*, (63), 125-138.
- **Aydın, C. İ.** (2020). Nuclear energy debate in Turkey: Stakeholders, policy alternatives, and governance issues. *Energy Policy*, 136 / (SCI Expanded / SSCI) <https://doi.org/10.1016/J.ENPOL.2019.111041>
- **Aydın, C. İ.** (2019). Identifying Ecological Distribution Conflicts around the Inter-Regional Flow of Energy in Turkey: A Mapping Exercise. *Frontiers in Energy Research*, 7(33). (SCI Expanded) <https://doi.org/10.3389/FENRG.2019.00033> [OPEN ACCESS]
- **Aydın, C.İ.**, Özkaynak, B., Rodriguez-Labajos, B., Yenilmez, T., (2017) "Network effects in environmental justice struggles: An investigation of conflicts between mining companies and civil society organizations from a network perspective" *PLoS ONE* 12(7): e0180494. (SCI Expanded) <https://doi.org/10.1371/journal.pone.0180494> [OPEN ACCESS]
- Özkaynak, B., **Aydın, C.İ.**, Ertör-Akyazı, P., Ertör, I., (2015) "The Gezi Park resistance from an environmental justice and social metabolism perspective", *Capitalism Nature Socialism*, 25(1), pp.99-114 <http://doi.org/10.1080/10455752.2014.999102>
- **Aydın, C.İ.**, Özertan, G., and Özkaynak, B. (2013) "Assessing the GMO Debate in Turkey: The Case of Cotton Farming" *New Perspectives on Turkey*. (49) (SSCI) <https://doi.org/10.1017/So89663460002028>

## BOOKS/CHAPTERS IN BOOKS/

- **Aydın, C.İ.**, Turhan, E., (Forthcoming–2025) What does it mean to win? Revisiting environmental movements in Turkey, in Dinç, P., Hünler, O.S., (eds). *The Republic of Turkey and its Unresolved Issues: 100 Years and Beyond*, Palgrave McMillan
- Turhan, E., **Aydın, C. İ.** (2024). Counterhegemonic Flows: Expanding Renewable Energy Struggles in Turkey. In D. Andreucci, G. García-López, R. Calvário, P. Kotsila, S. P. De Rosa, G. Velegrakis, A. Huber, I. Iengo, M. González-Hidalgo, I. Leonardelli, & I. Ertör (Eds.), *Insurgent Ecologies: Between Environmental Struggles and Postcapitalist Transformations* (pp. 166-188). Fernwood Publishing.
- Turhan, E., **Aydın, C.İ.**, Usta-Baykal, N., Bekar, İ. (2024) Integrating multispecies justice approach for climate risk management in forest areas of Mediterranean Europe, in Galende Sánchez, E., Sorman, A.H., Cabello, V., Heidenreich, S., Klöckner, C.A. (eds). *Strengthening European Climate Policy: Governance Recommendations from Innovative Interdisciplinary Collaborations*, Springer Nature Switzerland - [https://doi.org/10.1007/978-3-031-72055-0\\_11](https://doi.org/10.1007/978-3-031-72055-0_11) [OPEN ACCESS]
- Özkaynak, B., Turhan, E., **Aydın, C. İ.** (2024) "Mirror, mirror on the wall": A reflection on engaged research under Turkey's authoritarian populist regime, in Rodriguez, I., Walter, M. and Temper, L (eds) *Just Transformations Grassroots Struggles for Alternative Futures*, Pluto Press - [https://library.oapen.org/bitstream/handle/20.500.12657/77032/1/external\\_content.pdf#page=87](https://library.oapen.org/bitstream/handle/20.500.12657/77032/1/external_content.pdf#page=87) [OPEN ACCESS]
- Özkaynak, B., Turhan, E., **Aydın, C. İ.** (2020). The Politics of Energy in Turkey: Running Engines on Geopolitical, Discursive and Coercive Power. In G. M. Tezcur (Ed.), *Oxford Handbook of Turkish Politics*. New York: Oxford University Press
- Turhan, E., Özkaynak, B., **Aydın, C. İ.** (2019) Coal, Ash, and Other Tales: The Making and Remaking of the Anti-Coal Movement in Aliağa, Turkey. In E. Turhan & O. İnal (Eds.), *Transforming Socio-Natures in Turkey: Landscapes, State and Environmental Movements*, Routledge: London. <https://doi.org/10.4324/9780429429699> [OPEN ACCESS]

- **Aydın, C. İ.** (2019). İklim Krizi Çağında Nasıl Bir Enerji Yönetimi: Enerji Adaleti Nedir? In Y. Öztürk, Ö. G. Gürsel, & A. Aladağ (Eds.), *Geleceğin Kentleri* (pp. 105–122). İstanbul: Kadıköy Akademi.
- Özbakır, A.D, **Aydın, C.İ.**, (2017), "Mapping is learning" in *EarthEd (State of the World): Rethinking Education on a Changing Planet* p.139, WorldWatch Institute, Washington DC Island Press
- Gündoğan, A. C., **Aydın, C. İ.**, Turhan, E., & Berke, M. Ö. (2016). *100 Maddede Sürdürülebilirlik Rehberi. (A Guide to Sustainability in 100 Articles)* (B. Doğru, Ed.). İstanbul: EKOLOGOS (in Turkish)

## REPORTS/SECTIONS IN REPORTS

- Barton, D.N., Chaplin-Kramer, R., Lazos, E., Van Noordwijk, M., Engel, S., Girvan, A., Hahn, T., Leimona, B., Lele, S., Niamir, A., Özkaynak, B., Pawlowska-Mainville, A., Muradian, R., Ungar, P., **Aydın, C.**, Iranah, P., Nelson, S., Cantú-Fernández M., and González-Jiménez, D. (2022). *Chapter 4: Value expression in decision-making. In: Methodological Assessment Report on the Diverse Values and Valuation of Nature of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES)*. Balvanera, P., Pascual, U., Christie, M., Baptiste, B., and González-Jiménez, D. (eds). IPBES secretariat, Bonn, Germany. <https://doi.org/10.5281/zenodo.6522261>
- Aydın, B., **Aydın C.İ.** (2020) *Governance Strategies for Cooling Cities: Cases of Athens and İstanbul*, GEF Cities as Place of Hope Project Working Paper, Green Europe Foundation, December 2020, <https://gef.eu/publication/governance-strategies-for-cooling-cities-cases-of-athens-and-istanbul/>
- Peker, E., **Aydın, C. İ.** (2019) *Değişen İklimde Kentler: Yerel Yönetimler için Azaltım ve Uyum Politikaları (Cities in the changing climate: Mitigation and adaptation policies for local governments)*, IPC Policy Note, İstanbul Policy Center–Sabancı University–Stiftung Mercator Initiative, Sept. 2019.
- Gündoğan, A. C., **Aydın, C. İ.**, Turhan, E., Voyvoda, E, Özen, İ.C, Berke, M. Ö. (2017). *Ataletin Bedeli: İklim değişikliği hedeflerine ulaşamamasının Türkiye'ye maliyeti üzerine ortak sosyoekonomik patikalar perspektifinden bir değerlendirme (Cost of Inaction: Climate Change and Turkey Through the Lens of Shared Socio-economic Pathways)* İstanbul, WWF Türkiye, 86 p. (In Turkish)
- Turhan, E., Gündoğan, A. C., **Aydın, C. İ.**, & Berke, M. Ö. (2017) *İklim Adaleti Mücadelesi İçin 10 Durak (10 Stops for the Struggle of Climate Justice)* İstanbul: Ekoloji Kolektifi Derneği (in Turkish) [http://iklimadaleti.org/i/upload/iklim\\_adaleti\\_mucadelesi\\_icin\\_10\\_durak\\_978-605-82832-8-2.pdf](http://iklimadaleti.org/i/upload/iklim_adaleti_mucadelesi_icin_10_durak_978-605-82832-8-2.pdf)
- Özkaynak, B., Rodriguez-Labajos, B., **Aydın, C.İ.**, Yanez, I., Garibay, C., (2015). "Towards environmental justice success in mining conflicts: An empirical investigation", *EJOLT Report No. 14*, 96 p. (Available at: [http://www.ejolt.org/wordpress/wp-content/uploads/2015/04/EJOLT\\_14\\_Towards-EJ-success-mining-low.pdf](http://www.ejolt.org/wordpress/wp-content/uploads/2015/04/EJOLT_14_Towards-EJ-success-mining-low.pdf))
- Zografos C., Rodríguez-Labajos, B., **Aydın, C. İ.**, Cardoso, A., Matiku, P. Munguti, S., O'Connor, M., Ojo, G.U., Özkaynak, B., Slavov, T., Stoyanova, D., Živčič, L. (2014). Economic tools for evaluating liabilities in environmental justice struggles: The EJOLT Experience. *EJOLT Report No. 16*, 75p. (Available at: [http://www.ejolt.org/wordpress/wp-content/uploads/2014/10/EJOLT\\_Report\\_16.pdf](http://www.ejolt.org/wordpress/wp-content/uploads/2014/10/EJOLT_Report_16.pdf))
- **Aydın, C.İ.** (2014) "The economics of nuclear power plants: The twin tales of Belene and Akkuyu » in *Socio-Environmental Valuation and Liabilities: What Strategies for EJOs?*, J.-F. Berger (coord.), *EJOLT Report No:13* (Available at: <http://www.ejolt.org/2014/03/socio-environmental-valuation-and-liabilities-what-strategies-for-environmental-justice-organisations/> )

## WORKING PAPERS

- **Aydın, C.İ** (2018) Nuclear Energy in Turkey: Past, Present, and Future, *Yeditepe University, Department of Economics Research Notes on Economics*, No: 2018.03 [http://iibf.yeditepe.edu.tr/sites/default/files/ikt\\_ekonomiotlar15.pdf](http://iibf.yeditepe.edu.tr/sites/default/files/ikt_ekonomiotlar15.pdf)
- **Aydın, C.İ.**, Özertan, G., and Özkaynak, B (2011) Should Turkey Adopt GM Crops? A Social Multi-Criteria Evaluation for the Case of Cotton Farming in Turkey (*available at:* <http://ideas.repec.org/p/bou/wpaper/2011-07.html>)

## CONFERENCE PRESENTATIONS

- European Society for Ecological Economics (ESEE) 13th International Conference- "How can deliberative multicriteria evaluation frameworks support multilevel governance in ecological distribution conflicts? *The case of windfarm conflicts in Turkey*", 18-21 Jun 2019, Turku (Finland)
- Beyond Special Circumstances: Turkey and Global Climate Change Politics – Operationalizing governance for environmental justice: A multi-criteria governance support procedure addressing cross-scale mismatch in energy production alternatives in Turkey – Istanbul, 16-17 April, 2015
- International Society for Ecological Economics (ISEE) 11th Biennial Conference ISEE 2014: Wellbeing and Equity within Planetary Boundaries, Reykjavik, Iceland, 12-15 August, 2014
  - Operationalizing cross-scale governance for climate justice: A multi-criteria/multi-stakeholder approach to electricity production alternatives in Turkey—*Poster*
  - Renaissance or back to medieval? Nuclear tales from Turkey – *Poster*
  - Towards a better understanding of environmental conflicts in Turkey: Statistical political ecology meets with societal metabolism (*with Özkaynak, B., Haas, W., Mayer, A., Ertör-Akyazı, P., Ertör, I.*)
  - Issues in mining conflicts - collaborative research between activists and scientists (*with Özkaynak, B., Rodriguez-Labajos, B.*)
- European Society for Ecological Economics (ESEE) 2013 10th biennial conference: Ecological Economics and Institutional Dynamics, of the European Society for Ecological Economics – Towards a better understanding of environmental conflicts in Turkey: A mapping exercise (*with Begüm Özkaynak, Irmak Ertör, and Pınar Ertör-Akyazı*), - 18-21 Jun 2013 Lille (France)
- International Society for Ecological Economics (ISEE) 11th Biennial Conference: Advancing Sustainability in a Time of Crisis – Adopting GM crops? A Social Multi-Criteria Evaluation for the Case of Cotton Farming in Turkey – 22-25 August 2010 Oldenburg (Germany)
- 14th ICABR Conference on Bioeconomy Governance: Policy, Environmental and Health Regulation, And Public Investments In Research – Adopting GM crops? A Social Multi-Criteria Evaluation for the Case of Cotton Farming in Turkey - 14-18 June 2010 Ravello (Italy)

## OTHERS (ARTICLES IN NON-PEER-REVIEWED JOURNALS)

- **Aydın, C.İ.** (2020) İklim Krizi ve Alternatif Çözümler: Sistem İçinde Evrimlere Karşı Sistemi Yıkacak Devrimler (Climate Crisis and Alternative Solutions: Evolutions within the system vs revolutions against the system), *İktisat ve Toplum*, No:112, p.30-37
- Turhan, E., **Aydın, C. İ.** (2017). How to beat trump and win climate justice? *Green Left Weekly*, (1148), 24.
- Ozertan, G., **Aydın C.İ** (2017) Yeni tarım düzeni içerisinde Türkiye: Teknoloji, Ar-Ge ve Inovasyon (Turkey within the new agricultural paradigm: Technology, R&D, and Innovation) *TarımTürk* No:68 p:67-74
- Turhan, E., Gündoğan A.C., **Aydın, C.İ** (2017) COP23 İklim Zirvesi'nden Kalanlar: Biraz Kül, Biraz Duman (The remains of the COP23 climate summit: A little ash, a little smoke) *Bir+bir Express* No: 158, p.30-31
- Turhan, E., Gündoğan A.C., **Aydın, C.İ**, Berke M.Ö. (2016) Bir daha çal Sam: COP22 zirvesi ve iklim krizinin 2016 muhasebesi (Play it again Sam: COP22 summit and an account for the climate crisis in 2016) *Bir+bir Express* No: 147, p.36-37
- **Aydın C.İ.** (2016) Fighting for Environmental Justice in Turkey *Metamorphosis* EEB Newsletter No:79 <https://eeb.org/publications/19/metamorphosis-newsletter/2296/metamorphosis-79.pdf>
- Özkaynak B., **Aydın C.İ.**, Ertör, I, Ertör-Akyazı, P. (2013) "La Revolución del Árbol en Turquía: "Chapulando" cada día" (Turkey's Tree Revolution, Everyday I'm 'Chapulling') *Ecología Política* No: 45 (in Spanish) <http://www.ecologiapolitica.info/?p=955>

## PROFESSIONAL EXPERIENCE

BOGAZICI UNIVERSITY, INSTITUTE OF ENVIRONMENTAL SCIENCES, *JULY 2020 – ONGOING*

Assistant Professor

I am currently an assistant professor at Institute of Environmental Sciences, teaching, Environmental Governance, Climate Policy and Politics, Environmental Valuation and Evaluation, and Social Ecology.

IPBES FELLOW FOR VALUES OF NATURE ASSESSMENT *OCTOBER 2018 – JULY 2022*

I was a fellow of the Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES) methodological assessment group working on the diverse conceptualisations of multiple values of nature and its benefits.

SABANCI UNIVERSITY, ISTANBUL POLICY CENTER, *SEPTEMBER 2018 – AUGUST 2019*

Mercator – IPC Fellow

Mercator-IPC Fellowships are granted to outstanding young academics and professionals who have significant prior work experience with a focus on two topics: EU-Turkey relations and climate change. I am among the 2018/19 fellows, with a research project entitled "Multi-level governance using participatory multi-criteria evaluation frameworks: *The case of windfarm conflicts in Turkey*".

TEMA FOUNDATION, DEPARTMENT OF ENVIRONMENTAL POLICY *MARCH 2018 – AUGUST 2018*

Part-time Project Coordinator

BOGAZICI UNIVERSITY DEPARTMENT OF ECONOMICS *SEPTEMBER 2016 – APRIL 2019*

Affiliated researcher ACKnowl-EJ (Academic-Activist Co-Produced Knowledge for Environmental Justice) project

TEMA FOUNDATION, DEPARTMENT OF ENVIRONMENTAL POLICY *MARCH 2015 – AUGUST 2016*

Climate Policy Coordinator

BOGAZICI UNIVERSITY DEPARTMENT OF ECONOMICS *JULY 2011 – MARCH 2015*

Full-time contracted research assistant, Environmental Justice Organizations, Liabilities and Trade (EJOLT) Project

- Assisted the compilation of the Map of Environmental Conflicts in Turkey
- Contributed to the preparation of scientific reports in two work packages (mining and economic valuation) on various levels (e.g. research, literature review, feedbacks, layout design),
- Responsible for the financial bookkeeping and assisting the management of the project.

BOGAZICI UNIVERSITY DEPARTMENT OF ECONOMICS *MARCH 2012 – JUNE 2012*

Part-time contracted teaching assistant in Master Program in Economics and Finance (ECONFIN)

- Assisted the courses "Theory of Finance" and "Financial Risk Analysis and Management", held problem sessions and office hours.

FMV IŞIK UNIVERSITY DEPARTMENT OF ECONOMICS *SEPTEMBER 2009 - SEPTEMBER 2010*

Teaching and Research Assistant

- Assisted various economics courses (e.g. Public Econ., Game Theory, International Econ., Microeconomics) as a teaching assistant, held office hours and problem sessions, assisted the preparation of course materials.

BOGAZICI UNIVERSITY DEPARTMENT OF ECONOMICS *SEPTEMBER 2008 - SEPTEMBER 2009*

Teaching and Research Assistant

- Assisted various economics courses (e.g. Public Econ., International Econ., Money, Banking and Financial Inst., Agricultural Econ.) as a teaching assistant, held office hours and problem sessions, assisted professors in their research, helped the preparation of course materials.

# TEACHING EXPERIENCE

## BOGAZICI UNIVERSITY,

- Spring 2020, 2021, 2022, 2024 – ESC 549 Climate Change Policy (Master and PhD Students)
- Fall 2020, Spring 2021, 2022, 2023, 2024 – ESC 307 Social Ecology (Third and fourth year students)
- Fall 2021, 2023 – ESC 59Y Environmental Valuation & Cost Benefit Analysis
- Fall 2019-2024 – ESC 539 Environmental Governance (Master and PhD students)
- 2018- Summer School – EC404 Environmental and Ecological Economics

## GALATASARAY UNIVERSITY

- 2020 Spring – Macroéconomie (First year students, in French)

## YEDITEPE UNIVERSITY

- 2019 Spring - Ecological Economics (Third and fourth year students)
- 2018 Spring - Cost-Benefit Analysis and Environmental Valuation (Third and fourth year students)
- 2017 Fall, 2018 Spring - Introduction to Microeconomics and Introduction to Macroeconomics (First year students)

# PROJECTS

- *Researcher* - Partnership for Research and Innovation in the Med Area (PRIMA) - Sustainable water storage and distribution in the Mediterranean (OurMED), 2023 - 2026
- *Researcher* - International Science Council. Transformations to Sustainability Programme - Academic-Activist Co-Produced Knowledge for Environmental Justice (Acknowl-EJ), 2016-2019
- *PhD Student* - European Research Council FP7. Science in Society – Environmental Justice Organisations, Liabilities, and Trade (EJOLT), 2011-2015.

# THESES SUPERVISED

- Serkan Sargin – Master Thesis - Impact of Climate Change on Wind Energy Projections in Turkey Under RCP 4.5 And Rcp 8.5 Emission Trajectories – **2023** (*Co-supervised with Levent Kurnaz*)
- Deniz Öztürk – Master Thesis - Political Ecology of Geothermal Power Plants in Turkey: The Case of Büyük Menderes And Gediz Grabens - **2023**
- Öykü Öztürk – Master Thesis - Green Road Project from An Environmental Justice Perspective: Stakeholders, Alternatives and Conflicts - **2022**
- Beste Gün Aslan – Master Thesis - Economic Valuation for Rectificatory Justice: The Case of The Oil Spill at Turkey's Gencelli Bay – **2020** (*Co-supervised with Begüm Özkaynak*)
- Begüm Aydın – PhD Thesis - Smart Energy Systems in Urban Infrastructure Transitions for Sustainable Development – **Ongoing** (*Co-supervised with Andrzej Furman*)
- Çisem Kırıcı – Master Thesis - Political Ecology of Inter-Basin Water Transfer in Turkey: The Case of Melen Stream – **Ongoing**
- Yasemin Müjgan İleri – Master Thesis - Political Ecology of Mucilage in Marmara Sea: A case study of Nilüfer Creek – **Ongoing**
- Zişan Özdemir – Master Thesis – Challenges and Considerations In The Adoption Of Carbon Capture, Utilization And Storage Technologies In Developing Countries: The Case Of Türkiye – **Ongoing**
- Türkay Sinan Özhisar – Master Thesis – An Assessment on the Role of Regional Development Agencies in Environmental Governance in Turkey: A Case Study on Thrace Development Agency – **Ongoing**

- Cenk Ceylan – Master Thesis – Rethinking Surface Water Governance in Türkiye: Lessons from Konya Closed Basin - **Ongoing**

## VOLUNTEER EXPERIENCE

**Independent Strategic Advisor** – Beyond Fossil Fuels campaign (<https://beyondfossilfuels.org/>)

## GRANTS AND AWARDS

TEMA Foundation Turan Demirarslan Graduate Scholarship – **2016-2017**

*Financial support for the last year of PhD thesis*

Marie-Curie EU Grant to attend EASY-ECO Brussels 2010 Conference **17-19 November 2010**

*Travel, Accommodation and Registration costs covered*

TUBITAK (*The Scientific and Technological Research Council of Turkey*) Grant to attend ISEE 11th Biennial Conference: Advancing Sustainability in a Time of Crisis – Germany **22-25 August 2010**

*Travel, Accommodation and Registration costs covered*

## LANGUAGES

**Turkish** (*Native*), **English** (*Fluent*), **French** (*Fluent*), **Italian** (*Notions*), **Spanish** (*Notions*)