

# ANIL GOGEBAKAN

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The University of Calgary,  
Calgary, AB, Canada.

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## EDUCATION

<b>Ph.D. University of Calgary:</b> <i>Economics</i> , Calgary, AB, Canada	2019 - 2026 ( <i>Expected</i> )
<i>Ph.D. Izmir Univ. of Econ. (Coursework Completed): Economics</i> , Izmir, Turkey	2018 - 2019
<b>M.A. Bogazici University:</b> <i>Economics</i> , Istanbul, Turkey	2015 - 2018
<i>M.A. Exchange: Monash University</i> , Melbourne, VIC, Australia	2017
<b>B.A. Bogazici University:</b> <i>Economics</i> , Istanbul, Turkey	2013 - 2015
<i>B.A. Erasmus+: Nova School of Business &amp; Economics</i> , Lisbon, Portugal	2014
<i>B.S. Bogazici University (Transfer to Economics): Teaching Math.</i> , Istanbul, Turkey	2009 - 2013

## RESEARCH INTERESTS

International Economics, Trade, Environmental Economics, Applied Econometrics, Air Pollution

## REFERENCES

<b>Prof. Trevor Tombe</b> ( <i>Main Supervisor</i> ) Department of Economics, University of Calgary <a href="mailto:ttombe@ucalgary.ca">ttombe@ucalgary.ca</a> +1 (403) 220-8068	<b>Prof. M. Scott Taylor</b> Department of Economics, University of Calgary <a href="mailto:mstaylor@ucalgary.ca">mstaylor@ucalgary.ca</a> +1 (403) 220-8912
<b>Prof. Arvind Magesan</b> Department of Economics, University of Calgary <a href="mailto:anmagesa@ucalgary.ca">anmagesa@ucalgary.ca</a> +1 (403) 220-5276	

## PUBLICATIONS

**Gogebakan, A.** (2025). Revisiting Trade and Income in the New Era of Globalisation—Distance, Big Boats and Natural Barriers to Trade. *The World Economy*, 48(4), 886–921.  
DOI: [10.1111/twec.13667](https://doi.org/10.1111/twec.13667) — [View Article](#)

## GRANTS, AWARDS, AND HONORS

<b>EEPRN Research Grant</b> (\$30,000 CAD) — <i>Role: Principal Investigator (Solo):</i> (SPI) & Environment and Climate Change Canada (ECCC) <b>Project: The Role of Energy Efficiency in Productivity: Evidence from Canada</b> 2024–2026	
Economics Alumni Graduate Scholarship (\$2,900 CAD)	2022–2023
Anton and Dalgarno Memorial Graduate Scholarship (\$20,000 CAD in total, x2)	2019–2021
Paid research leave for visiting Monash University (\$11,000 AUD)	2017
Erasmus+ Exchange Scholarship (€2,080)	2014–2015
Turkey Ministry of National Education Scholarship (17,340 TRY)	2010–2015

## WORKING PAPERS

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### **The Role of Energy Efficiency in Productivity: Evidence from Canada** (Job Market Paper)

**Abstract:** This paper quantifies how the misallocation of energy, capital, and labor across provinces and sectors reduces productivity in Canada. Using annual provincial input–output data (2014–2020) and a standard Hsieh–Klenow–style framework, I decompose the loss into interprovincial (within-sector) and intersectoral (within-province) components and measure each input’s contribution. Unlike most studies focusing on firm-level variation within manufacturing, I examine the full economy at the province–sector level. The results show that misallocation drags aggregate productivity 5–8% below its efficient potential, depending on the assumed substitutability of goods between provinces. Within-sector misallocation drives most of the loss, reaching 4.3%, while between-sector misallocation contributes up to 4%, consistently less than the within-sector component, indicating interprovincial misallocation is the primary source. While energy accounts for only 8% of input costs, it makes up as much as 1.5% of the gap—comparable to capital’s 1.8% peak and substantially exceeding that of labor’s 0.8%—highlighting energy’s key role in productivity.

### **Uneven Gains: The Environmental Justice Impact of the Regional Greenhouse Gas Initiative (RGGI) on Local Air Pollution and Health** (with S. Chaudhary and L. Pham)

## RESEARCH EXPERIENCE

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**Prof. Alaz Munzur** *Canadian Climate Policy Partnership, Calgary, AB, Canada* 2025

- Coded and implemented a general equilibrium trade model for scenario analysis.

**Prof. Trevor Tombe** *Department of Economics, Calgary, AB, Canada* 2021, 2024

- Conducted literature review on emissions pricing and Canadian food prices.

**Prof. Megan Bailey** *Haskayne Business School, Calgary, AB, Canada* 2023 - 2024

- Scraped NEI data; simulated New York coal phase-out using InMAP.
- Analyzed simulation results and prepared summary reports.

**Prof. Arvind Magesan** *Department of Economics, Calgary, AB, Canada* 2021 - 2022

- Scraped petition data for projects on political participation and government responsiveness.

**Prof. Alexander Whalley** *4POINT0, Calgary, AB, Canada* 2019 - 2021

- Analyzed a near-universe firm-level dataset of Canadian companies (Aberdeen Data).
- Replicated empirical studies using the dataset and summarized results.

**RA (full-time), Department of Economics, Dokuz Eylul University, Izmir, Turkey** 2016 - 2019

- Supported teaching and research: tutorials, class material preparation, grading, and data analysis.

**RA (full-time), Department of Management, Halic University, Istanbul, Turkey** 2015 - 2016

- Supported teaching and research: tutorials, literature reviews, data collection and analysis.

## TEACHING EXPERIENCE

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### **Sessional Instructor:**

Principles of Microeconomics (Econ 201) (Summer 2023 & Spring 2024 at University of Calgary)

### **Teaching Assistantship:**

#### *Undergraduate level:*

Principles of Microeconomics (Multiple semesters 2019–2025)  
Principles of Macroeconomics (Winter 2022, Winter 2025)

Introduction to Econometrics	(Summer 2022, Winter 2023)
Intermediate Economic Theory - Microeconomics I & II	(Fall 2018, Winter 2021)
Intermediate Economic Theory - Macroeconomics I	(Spring 2023)
Engineering Economics	(Spring 2025)
Petroleum Economics	(Fall 2023)
Energy Economics and Policy	(Fall 2023)
Monetary Theory	(Winter 2021)
<b><i>Graduate level:</i></b>	
International Trade (Econ 621)	(Winter 2025)
Environmental Economics (Econ 677)	(Winter 2025)
Advanced Macroeconomic Theory II (Econ 759)	(Winter 2024)

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## REFeree SERVICE

Review of World Economics (RoWE), AERE Summer Conference 2025 Paper Reviewer

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## CONFERENCES

Canadian Res. & Env. Econ. Assoc. (CREEA) ( <i>Paper Presenter</i> ), Winnipeg, MB, Canada	<i>Oct 2025</i>
Canadian Res. & Env. Econ. Assoc. (CREEA) ( <i>Paper Presenter</i> ), Montreal, QC, Canada	<i>Jun 2025</i>
Canada's Productivity Summit ( <i>Notetaker</i> ), Calgary, AB, Canada	<i>Oct 2024</i>
Energy Disruptors Unite 2024 Summit ( <i>Participant</i> ), Calgary, AB, Canada	<i>Oct 2024</i>
Queensland University of Tech. ( <i>Economics - Invited Speaker</i> ), Brisbane, QLD, Australia	<i>Aug 2024</i>
Australian Conference of Economists (ACE) ( <i>Paper Presenter</i> ), Adelaide, SA, Australia	<i>Jul 2024</i>
Asia Pacific Trade Seminars (APTS) ( <i>Paper Presenter</i> ), Bangkok, Thailand	<i>Jun 2024</i>
Rocky Mountain Empirical Trade Conference ( <i>Discussant</i> ), Banff, AB, Canada	<i>May 2024</i>
Midwest International Trade Conference ( <i>Paper Presenter</i> ), Indianapolis, IN, USA	<i>May 2024</i>
Canadian Economics Association (CEA) ( <i>Paper Presenter</i> ), Winnipeg, MB, Canada	<i>Jun 2023</i>
The Society for Economic Measurement (SEM) ( <i>Organizing Team</i> ), Calgary, AB, Canada	<i>Aug 2022</i>
Izmir Intl. Congress on Econ. and Admin. Sciences ( <i>Organizing Team</i> ), Izmir, Turkey	<i>Dec 2018</i>

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## MEMBERSHIP

Association of Environmental and Resource Economists (AERE), Australasian Agricultural and Resource Economics Society (AARES), European Economic Association (EEA)

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## COMPUTER SKILLS

Stata, Python, R, Eviews, InMAP, L<sup>A</sup>T<sub>E</sub>X

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## LANGUAGES

Turkish (Native), English (Fluent), German (Intermediate)