Miao Dai

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INFORMATION Department of Economics miao.dai@mail.mcgill.ca

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POSITION Postdoctoral Researcher, Center for Environmental Economics – Montpellier

University of Montpellier, Montpellier, France

EDUCATION Ph.D. in Economics, McGill University, Montreal, Canada

2023

2023

**Dissertation Title:** Essays in resource market imperfections and their impacts on firm behaviour

and the environment

Committee: Hassan Benchekroun (Supervisor), Francesco Amodio (Co-Supervisor), Laura Lasio,

Ngo Van Long.

M.A. in Environmental, Resource and Development Economics (ERDE), University of Winnipeg, Winnipeg, Canada 2016

B.Sc. in Resources, Environment and Urban Planning, Hubei Normal University, China 2014

RESEARCH FIELDS Environmental and Resource Economics, Industrial Organization, International Trade

PUBLICATIONS "On the profitability of cross-ownership in Cournot nonrenewable resource oligopolies: Stock size

matters." with Hassan Benchekroun and Ngo Van Long (2022), Journal of Environmental Eco-

 $nomics\ and\ Management, Volume\ 111:\ 102597.$ 

"The impact of cross-ownership on the value of a clean technology in the energy market." with

 $Hassan\ Benchekroun\ and\ Ngo\ Van\ Long\ (2022),\ \textit{Environmental}\ \textit{Modelling}\ \textit{and}\ \textit{Assessment},\ 27(6):$ 

1007-1019.

WORKING PAPERS "Environmental lobbying on international trade in waste: Theory and evidence". (Job Market Pa-

per), under review at Journal of Environmental Economics and Management.

"On the impact of cross-ownership in a common property renewable resource oligopoly", with

Hassan Benchekroun

WORK-IN-PROGRESS "Common ownership, corporate social responsibility, and climate change"

"The role of pressure groups on international trade in waste: A gravity model approach"

"On the comparison of Cournot and Bertrand equilibria in a nonrenewable resource differentiated

product oligopoly with cross-ownership"

"Trade restriction and transboundary pollution: A differential game approach"

RESEARCH Research Assistant

EXPERIENCE For Hassan Benchekroun, McGill University, 2018-2022

For Amrita Ray Chaudhuri and Soham Baksi, University of Winnipeg, 2015-2017

For Melanie O'Gorman and James Townsend, University of Winnipeg, and Public Interest Law Centre, 2016

TEACHING EXPERIENCE

## Graduate Teaching Assistant, Max Bell School of Public Policy, McGill University

Global Macroeconomic Policy (Winter 2023, Winter 2022, Winter 2021, Winter 2020) Microeconomics for Public Policy (Fall 2021, Fall 2020, Fall 2019)

## Teaching Assistant, Department of Economics, McGill University

Natural Resource Economics (Winter 2023, Winter 2022)
Advanced Economic Theory - Honours (Fall 2022, Fall 2021)
Microeconomic Analysis and Applications (Summer 2021)
Microeconomic Theory (Winter 2021, Winter 2020, Winter 2018)
Political Economy of Trade Policy (Winter 2021, Winter 2019)
Industrial Organization (Fall 2020)
Public Sector Economics (Fall 2019, Fall 2018)
Mathematics for Economists (Summer 2019)
Economics of the Environment (Fall 2017)

## Instructor, Department of Economics, University of Winnipeg

Intermediate Microeconomics (Spring 2017)

## Lab Demonstrator/Teaching Assistant, Department of Economics, University of Winnipeg

Intermediate Microeconomics (Winter 2017, Fall 2016, Winter 2016, Fall 2015) Introduction to Macroeconomics (Winter 2017) Modern Microeconomics for Economics and Business (Winter 2017) Mathematical Economics (Fall 2016) Introduction to Microeconomics (Fall 2016) Introduction to Economic Theory (Fall 2015)

SEMINARS AND CONFERENCES

2023: 28<sup>th</sup> Annual Conference of the European Association of Environmental and Resource Economists (EAERE), EAERE Summer School – University of Graz, 2023 North America Conference of the Chinese Economists Society (CES)

2022: Beijing Normal University Bay Area International Business School, 32<sup>nd</sup> Annual Conference of the Canadian Resource and Environmental Economics Association (CREEA), 11<sup>th</sup> Congress of the Asian Association of Environmental and Resource Economics (AAERE), Xiangjiang River Forum in Economics, Finance and Management for Young Scholars – CEFMS, 12<sup>th</sup> International Economics and Finance Society (IEFS) China Annual Conference (invited), 2022 Annual Conference of the Chinese Economists Society (CES), 17<sup>th</sup> Annual Meeting of the Asia Pacific Trade Seminars (APTS), 8<sup>th</sup> Canadian PhD and Early Career Researcher Workshop in Environmental and Resource Economics, 56<sup>th</sup> Annual Meeting of the Canadian Economics Association (CEA), 15<sup>th</sup> Australasian Trade Workshop (ATW), Montreal Environmental and Natural Resources Economics Workshop, McGill-CIREQ Lunch Seminar

2021: Montreal Environmental and Natural Resources Economics Workshop

2020: 30<sup>th</sup> Annual Conference of Canadian Resource and Environmental Economics Association

PROFESSIONAL SERVICES

Referee for *Resource and Energy Economics, Applied Economics, China Economic Review* Discussant for EAERE, CES, CEA, ATW, CREEA, CEFMS and AAERE

FELLOWSHIPS AND AWARDS

 $STP\ -\ Social\ Sciences\ and\ Humanities\ Research\ Council\ of\ Canada\ (SSHRC),\ 2021-2023$ 

STP - Fonds de recherche du Québec - Société et culture (FRQSC), 2018-2023

Participation grant, Global Excellence in Modeling Climate and Energy Policies (GEOCEP), 2023 Travel Scholarship, European Association of Environmental and Resource Economists, 2023 International Graduate Mobility Award, McGill University, 2023 and 2019

Travel Subsidy, Chinese Economists Society (CES), 2023

 $Travel\ Grant,\ Canadian\ Resource\ and\ Environmental\ Economics\ Association\ (CREEA),\ 2022$ 

Lasserre-Renzetti Prize for Best Student Paper, CREEA, 2022

Student Travel Grant, Canadian Economics Association (CEA), 2022

Graduate Research Enhancement and Travel Award, Faculty of Arts, McGill University, 2022

Clifford C F Wong Fellowship - Economics, McGill University, 2017-2020

14th Competition and Regulation European Summer School (CRESSE) Fellowship, 2019

Graduate Excellence Award in Economics, McGill University, 2017

LANGUAGES Chinese (native), English (fluent)

SKILLS Matlab, Stata, Mathematica, Lagrange Matlab, Matlab,

REFERENCES Hassan Benchekroun Francesco Amodio

Professor Associate Professor

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Laura Lasio Christopher Ragan

Assistant Professor Director and Associate Professor
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