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# ALICE FAVERO

Georgia Institute of Technology  
685 Cherry St NW Atlanta, GA 30332 – 0345, USA  
alice.favero@gatech.edu

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## CURRENT POSITION

- 2019 – *Academic Professional & Associate Director of Graduate Studies*, School of Public Policy, Georgia Institute of Technology
- 2019 – *Program Coordinator*, Master/Certificate of Sustainable Energy and Environmental Management, School of Public Policy, Georgia Institute of Technology
- 2017 – *Director*, Georgia Institute of Technology Study Abroad Program on Sustainable Development and Climate Change in Italy

## FIELDS OF INTEREST

Environmental and Natural Resources Economics and Policy, Economics of Climate Change, Energy Economics

## EDUCATION

- 2009 – 2013 *Ph.D. in Science and Management of Climate Change*, Department of Economics, University of Venice, Italy (*Supervisors*: Professor Robert Mendelsohn and Professor Carlo Carraro)
- 2011 – 2013 *Visiting Research Assistant*, Yale School of Forestry and Environmental Studies
- 2005 – 2007 *M.Sc. Economics and Finance (cum laude)*, University of Venice
- 2006 *Visiting Student*, Harvard University
- 2001 – 2004 *B.A. Economics and Finance*, University of Venice

## PEER-REVIEWED ARTICLES (<sup>†</sup> indicates graduate student)

1. Daigneault, A. and A. Favero. 2021. [Global Forest Management, Carbon Sequestration and Bioenergy Supply Under Alternative Shared Socioeconomic Pathways](#). *Land Use Policy* 103 (2021) 105302
2. Favero, A., R. Mendelsohn, B. Sohngen and B. Stocker. 2021. [Assessing the long-term interactions of climate change and timber markets on forest land and carbon storage](#). *Environ. Res. Lett.* 16 (2021) 014051
3. Favero, A., A. Daigneault and B. Sohngen. 2020. [Forest: Carbon sequestration, Biomass energy or both?](#) *Science Advances* 25 Mar 2020: Vol. 6, no. 13
4. Favero, A., V. Thomas and C. Luetzgen. 2019. [Life cycle analyses of alternative fibers for paper](#). *Journal of Advanced Manufacturing and Processing*, June 7 (2019)
5. Brown, M., A. Favero, V. Thomas and A. Banboukian<sup>†</sup>. 2019. [The Economic and Environmental Performance of Biomass Power: Why Does an “Intermediate” Resource Continue to Grow?](#) *Utilities Policy*, Volume 58, June 2019, Pages 52-62
6. Favero, A., B. Sohngen, Y. Huang<sup>†</sup> and Y. Jin. 2018. [Global cost estimates of forest climate mitigation with albedo: a new integrative policy approach](#) *Environ. Res. Lett.* 13 (2018) 125002
7. Favero, A., R. Mendelsohn and B. Sohngen. 2018. [Can the global forest sector survive 11°C warming?](#) *Agricultural and Resource Economics Review* 47/2 (August 2018) 388–413
8. Favero, A., R. Mendelsohn and B. Sohngen. 2017. [Using Forests for Climate Mitigation: Sequester Carbon or Produce Woody Biomass?](#) *Climatic Change*, 144(2), 195-206
9. Favero, A. and R. Mendelsohn. 2017. [The Land-use Consequences of Woody Biomass with more stringent climate mitigation scenarios](#), *Journal of Environmental Protection*, 2017, 8. 61-73
10. Favero, A. and R. Mendelsohn. 2014. [Using Markets for Woody Biomass Energy to Sequester Carbon in Forests](#), *Journal of the Association of Environmental and Resource Economists*, Vol-1-2, pp. 75-95
11. Favero, A. and E. Massetti. 2014. [Trade of Woody Biomass for Electricity Generation under Climate Mitigation Policy](#), *Resources and Energy Economics* 36 (2014) 166–190
12. Carraro, C., A. Favero and E. Massetti. 2012. [Investments and Public Finance in a Green, Low Carbon Economy](#), *Energy Economics* 34 (2012) S15–S28
13. Carraro, C. and A. Favero. 2009. [The Economic and Financial Determinants of Carbon Prices](#), *Czech Journal of Economics and Finance*, 5, 2009

#### WORK IN PROGRESS (<sup>‡</sup> indicates graduate student)

1. "Global assessment of direct air capture of carbon dioxide with integrated supply of low-carbon energy" with Steffen Fahr<sup>‡</sup>, Julian Powell<sup>‡</sup>, Anthony J. Giarrusso, Ryan P. Lively and Matthew J. Realff (*under review*)
2. "A multi-model assessment of socioeconomic development and climate change mitigation impacts on the global forest sector" with A. Daigneault, J. Guob, P. Lauri, J. Baker, N. Forsell, C. Johnston, S. Ohrel and B. Sohngen (*under review*)
3. "Climate change and timber in Latin America: Will the forestry sector in flourish under climate change?" with B. Sohngen and P. Hamilton<sup>‡</sup> (*under review*)
4. "What is the optimal rotation age of forests in Georgia under a changing climate?"
5. "An Integrated Assessment of Sustainable Woody Biomass" with A. Daigneault, J. Baker, and B. Sohngen
6. "The next generation of land modelling: integrating the economics and the environment" with B. Stocker
7. "Geo-spatial and economic assessment of the potential development of Bioenergy combined with Direct Air Carbon Capture (BEDAC) in the USA" with Anthony J. Giarrusso and Matthew J. Realff

#### BOOK CHAPTERS

1. "The Changing Climate: Economic Impacts and Perspectives for Future Economic Development" (2009) with C. Carraro, in M. Mascia and L. Mariani (eds), *Ethics and Climate Change. Scenarios for Justice and Sustainability*, CLUEP, Padua

#### PAST PROFESSIONAL EXPERIENCE

- 2016 – 2019 Lecturer, School of Public Policy, Georgia Tech, USA  
2016 Researcher, Center for Serve-Learn-Sustain, Georgia Tech, USA  
2014 – 2016 Visiting Assistant Professor, School of Public Policy, Georgia Tech, USA  
2011 – 2014 Researcher, Euro-Mediterranean Center for Climate Change (CMCC), Italy  
2008 – 2014 Researcher, Fondazione Eni Enrico Mattei (FEEM), Italy

#### RESEARCH GRANTS

- 2021 Enviva, Reseach Funding "Modelling demand and supply of woody biomass" (PI), \$24,000  
2019 GT Global Change Program, Education Grant "Feasibility Study for a Georgia Tech Carbon Price Model" (PI), \$3,000  
2018 GT Serve-Learn-Sustain, Mini Grant "Georgia Tech Living Building" (PI), \$1,000  
2017 GT Serve-Learn-Sustain, Mini Grant "Georgia Tech Climate Action Plan" (PI), \$800  
2017 NRDC, Research Funding "Biomass Economics in the Southeast" (PI: Dr. Marilyn Brown), \$25,000  
2016 Green Seal, Research Funding "Life-cycle and Market Review of the Major Alternative Fibres for Paper Production" (PI: Dr. Valerie Thomas), \$16,000

#### CONSULTING PROJECTS

- 2018 Georgia Climate Project – Georgia Climate Information Portal  
2009 Eni – Analysis of Eni Proposal for Post-Kyoto Climate Policy

#### FELLOWSHIPS, HONORS AND AWARDS

- 2019 SLS Sustainable Development Goals Faculty Fellows Program, Georgia Tech  
2018 Climate Change Fellowship, Georgia Tech  
2017 Distinguished Teaching Award, Ivan Allen College, Georgia Tech  
2017 Energy Systems for Sustainable Communities Fellowship, Georgia Tech  
2016 – 2017 Honors Program Professor, Georgia Tech  
2016 Food-Energy-Water Fellowship, Georgia Tech  
2014 Climate and Energy Policy Laboratory Fellow, Georgia Tech  
2014 FEEM Research Paper Award  
2009 – 2012 Ph.D. Fellowship, European Social Fund, Veneto Region, Italy

## TEACHING

### Georgia Institute of Technology

- 2021 **Economics of Environmental Policy** (Graduate, *on-line*) [Student evaluation: 4.8/5 (2021)]  
2020 – 2021 **Capstone Projects, Master of Sustainable Energy and Environmental Management**  
2018 **Energy Policy and Markets** (Graduate) [Student evaluation: 4.5/5 (2018)]  
2015 – 2020 **Climate Policy** (Undergraduate and Graduate) [Student evaluation: 4.8/5 (2015 – 2020 *hybrid*)]  
2014 – 2020 **Environmental Policy and Politics** (Undergraduate) [Student evaluation: 4/5 (2014), 4.8/5 (2016, 2019), 4.9/5 (2015, 2017, 2020 *on-line*)]

### University of Venice

- 2009 – 2010 Teaching Assistant, **Microeconomics** (Undergraduate)

## SERVICES TO THE PROFESSION

### **International Panels of Experts**

- 2021 Contributing Author, International Panel on Climate Change – IPCC, Sixth Assessment Report  
2021 EFI BECCS Advisory Board Member

### **Peer Reviews**

GB Bioenergy; Carbon Balance and Management; Energies; Ecological Economics; Forest Policy and Economics; Journal of Land Use Science; Forests; Renewable & Sustainable Energy; Environmental Research Letters; Resource and Energy Economics; Environmental and Resource Economics; Agricultural and Resource Economics Review; Journal of Forest Economics; Energy Economics; Climatic Change; Environmental Science and Technology; Climate Change Economics; Journal of Agricultural and Applied Economics; Energy Policy

## CONFERENCES, WORKSHOPS AND INVITED SEMINARS (SELECTED)

- 2021 • GT-PNNL Bioenergy and Carbon Utilization seminar series • [Biomasse legnose: opportunità o problema per la mitigazione della crisi climatica?](#) (invited panellist)  
2020 • Seminar at Michigan State University, Department of Forestry • [National Council for Air and Stream Improvement, Inc. Academic Listening Session and Forum on Working Forests, Carbon Dynamics, and the Bioeconomy](#) (invited panellist)  
2019 • [Southern Economic Association Conference](#) (AERE Session) • [2019 Meeting of the International Society of Forest Resource Economists](#) • [ASSA Annual Meeting](#) (AERE Session)  
2018 • [2018 Forestry & Agriculture Greenhouse Gas Modelling Forum](#) • [AAEA Annual Conference](#)  
2017 • [NAREA Workshop on Climate Change and Land Conservation and Restoration: Advances in Economics Methods and Policies for Adaptation and Mitigation](#) • [NAREA Annual Meeting](#) • [AERE Summer Conference](#)  
2016 • EAERE Summer Conference • [AERE Summer Conference](#) • Seminar at Ohio State University, Department of Agricultural, Environment and Development Economics  
2015 • EAERE Summer Conference • AERE Summer Conference  
2012 • Southern Economic Association Conference (AERE Session) • Workshop on Power Generation & The Environment. Choices and Economic Trade-offs • Western Economics Association Conference (AERE Session)  
2010 • International Energy Workshop

## REFERENCES

### **Professor Robert O. Mendelsohn**

Yale School of the Environment | Email: [robert.mendelsohn@yale.edu](mailto:robert.mendelsohn@yale.edu)

### **Professor Carlo Carraro**

Department of Environmental Sciences, Informatics and Statistics, University of Venice | Email: [ccarraro@unive.it](mailto:ccarraro@unive.it)

### **Professor Brent Sohngen**

Department of Agricultural, Environmental, and Development Economics, The Ohio State University | Email: [sohngen.1@osu.edu](mailto:sohngen.1@osu.edu)