

Name: Ruslana Rachel Palatnik

Date: 09/03/2025

**CURRICULUM VITAE**

**1. Personal Details**

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**2. Higher Education**

**a. Undergraduate and Graduate Studies**

Period of Study	Name of Institution and Department	Degree	Area of specialization
2004-2008	Department of Economics, University of Haifa and the Technion – Israel Institute of Technology, Haifa, Israel	Ph.D.	Economics
1999-2002	Department of Economics, University of Haifa and the Technion – Israel Institute of Technology, Haifa, Israel	M.A.	Economics
1996-1999	Department of Economics, the University of Haifa, Haifa, Israel	B.A.	Economics and Management

**b. Post-Doctoral Studies**

Period of Study	Name of Institution, Department, and Host	Degree	Year of Completion
9/2015-7/2016	Agricultural and Resource Economics Department, UC Berkeley, CA, USA. Host: Prof. David Zilberman.	Visiting Scholar	2016
9/2007-8/2008	FEEM – Fondazione Eni Enrico Mattei, Italy. Hosts: Prof. Carlo Carraro and Prof. Roberto Roson	Visiting Researcher	2008

**3. Academic Ranks and Tenure in Institutes of Higher Education**

Years	Name of Institution and Department	Rank/Position
2025-Present	Department of Economics and Management, The Max Stern Yezreel Valley College, Israel.	Associate Professor
**1December 2024-present	Sustainable Development Unit, ATHENA Research Center, Greece	Senior Researcher
**July 2019-present	The Integrated Assessment and Climate Change (IACC) Research Group within the Energy, Climate, and Environment (ECE) Program at International Institute for Applied Systems Analysis (IIASA), Austria	Senior Guest Research Scholar

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<sup>1</sup>\*Since last rank, \*\* Since Tenure

**2016-present	NRERC- Natural Resource and Environmental Research Center, University of Haifa, Israel	Research Fellow
**July 2014-2025	Department of Economics and Management, The Max Stern Yezreel Valley College, Israel.	Tenured Senior Lecturer
*April 2013 - 2014	Department of Economics and Management, The Max Stern Yezreel Valley College, Israel.	Senior Lecturer
2008-2013	Department of Economics and Management, The Max Stern Yezreel Valley College, Israel	Lecturer

#### **4. Offices in Academic Administration**

<b>Years</b>	<b>Department of Economics and Management, The Max Stern Yezreel Valley College (YVC)</b>	
2010-present	Committee member, Teaching Committee.	
**2021-present	Head of the Data analyst program.	
**2021-present	Trustee for Digital Pedagogy.	
2011-2013, **2021-present	Students' consultant.	
**2017-2020	Head of the Department.	
**2014 – 2016	Principal Coordinator of the Self-Evaluation Report– for the Council of Higher Education (CHE).	
<b>The Max Stern Yezreel Valley College (YVC) Administration</b>		
**2024-2025	Representative of Senior Academic Staff in the Management Board.	
**2024	Preparing the full program of B.A. Degree in Sustainability for submission to CHE	
**2022-2024	Sustainability committee member.	
**2020-2023	Excellence committee member.	
**2014- 2015; 2016- 2018	Committee member, Disciplinary Committee.	
2012- 2014	Committee member, B. A. Honors.	

#### **5. Scholarly Position and Activities outside the Institution**

<b>Years</b>	<b>Professional and Academic Consultancy &amp; Management</b>	
**2024	Scientific Programme Committee for the <a href="#">29th Annual Conference of the European Association of Environmental and Resource Economists (EAERE 2024)</a> , organized by the Center of Economics and Corporate Sustainability of the KU Leuven, held on July 1-4, 2024 in Leuven, Belgium.	
**2021-present	Member of advising committee for energy demand model, the Ministry of Energy, Israel	
**2017- present	Appointed Horizon 2020 National Expert (EU research framework) for reviews of biennial reports (BRs) and national communications (NCs) of developed countries.	
**2022-2023	Academic Programme Committee Co-Chair, EAERE 2023 - The 28 <sup>th</sup> Annual Conference of the European Association of Environmental and Resource Economists, Cyprus.	

**2020-2022	Academic committee member, NRERC- Natural Resource and Environmental Research Center, University of Haifa, Israel
**2020-2021	Member of Nominating Committee of the EAERE Fellows Programme 2021
**2019-2021	Member of the inter-ministerial committee on carbon pricing in Israel
2013-2020	Board member, NRERC-Natural Resource and Environmental Research Center, University of Haifa, Israel
<b>Years</b>	<b>Reviewing for Refereed Journal</b>
**2024	Water Resources Research
**2022-present	Frontiers in Environmental Science
**2022-present	Energy for Sustainable Development, Elsevier.
**2021-present	Water Economics and Policy (WEP), World Scientific.
**2019-present	Sustainability, MDPI.
**2019-present	Energies, MDPI.
**2017-present	Energy Efficiency, Springer
**2016- present	Environment and Ecology, Israel.
**2015-present	Climate Change Economics, Elsevier.
**2015- present	The Economic Quarterly, Israel
*2013-present	Global Environmental Change, Elsevier.
2011-present	Environment and Development Economics, Cambridge University Press.
2009- present	Ecological Economics, Elsevier.
<b>Years</b>	<b>Membership in Professional Societies</b>
**2021-present	Country representative, Med-IAERE - the Mediterranean Association of Environmental and Resource Economists
**2019- present	Member of Israel Economic Association Council
**2014-present	Country representative, EAERE - the European Association of Environmental and Resource Economists
<b>Years</b>	<b>Editorial Assignments</b>
**2023-2025	Editorial Board, Water Economics and Policy ( <a href="#">WEP</a> ), World Scientific, Impact Factor 1.333
**2024	Co-editor, Special Issue " <a href="#">Energy and Environmental Economic Theory and Policy</a> ", Energies (ISSN 1996-1073), section "C: Energy Economics and Policy". With Prof. Ofira Ayalon. Impact Factor 3.0
**2023-present	Review Editor on the Editorial Board of Resource Economics, specialty section of Frontiers in Environmental Economics
**2014	Guest editor, German Journal of Agricultural Economics – Special Issue: The economics of European agriculture under conditions of climate change. Published on 01.09.2014 <a href="http://www.gjae-online.de/inhaltsverzeichnisse/pages/">http://www.gjae-online.de/inhaltsverzeichnisse/pages/</a> Impact Factor 0.42
<b>Years</b>	<b>Reviewing for Fund Agencies</b>
**2024	Reviewer: Israel Science Foundation (ISF)

**2021	Reviewer: French-German call in social sciences and humanities between ANR and DFG
**2017-2018, 2020-2023	Agricultural Economics Panel member: BARD – Binational Agricultural Research and Development Fund (US-Israel)

## 6. Participation in Scholarly Conferences

### a. Papers Presented at International Conferences

Date	Name of Conference	Place of Conference	Subject of Lecture/Discussion	Role
**January 23 - 25, 2025	<a href="#">21st International Conference on Environmental, Cultural, Economic &amp; Social Sustainability</a>	Florida International University Miami, USA,	The Value of Alternative Water in Adaptation to Climate Change: The Case of the Mediterranean Countries	Co-author, presented by Mordechai Shechter
** June 11-14, 2024	28 <sup>th</sup> Annual ICABR Conference 2024	Ravelo, Italy (70% acceptance rate)	1. Water Scarcity and Food Security in the Mediterranean: The Role of Alternative Water Sources and Precise Agriculture	Presenter
			2. Evolution of Innovation and Production Supply Chains: The Case of Microalgae-Based $\beta$ -Carotene	Presenter
**July 4-7, 2023	27 <sup>th</sup> Annual ICABR Conference 2023	Buenos Aires, Argentina	1. Economic assessment of macroalgae as a source for carbon sequestration	Presenter
			2. Real Option evaluation of Macroagal-Based Economy	Presenter
**June 27 – 30, 2023	EAERE 2023 The 28th Annual Conference of the European Association of Environmental and Resource Economists	Limassol, Cyprus (60% acceptance rate)	1. The role of alternative water sources and precise agriculture for food security in the Mediterranean in the face of climate change	Presenter
			2. The potential of the insurance industry to finance climate mitigation - an empirical analysis.	Co-author, presented by Nabriski, Moran
**February 23-24, 2023	Eleventh IAERE Annual Conference	Napoli, Italy	The role of alternative water sources and precise	Presenter

			agriculture for food security in the Mediterranean in the face of climate change	
**July 5-8, 2022	<a href="#">26th ICABR Conference 2022</a>	Bologna, Italy	1. Trends in algae commercial and capital investment activity- a new potential bioeconomy sector	Co-author, presented by Moran Nabriski
			2. The potential of the insurance industry to finance climate mitigation - an empirical analysis	Co-author, presented by Moran Nabriski
			3. Biological carbon sequestration: potential opportunities, pitfalls, and challenges	Co-author, presented by Gal Hochman
			4. The Economics of Aquatic Plants: The Case of Algae and Duckweed	Presenter and session chair
**May 23-24, 2022	<a href="#">IEA-ETSAP Energy Systems Analysis Research Workshop</a>	Freiburg, Germany	Accelerating emission reduction in Israel: Carbon pricing vs. policy standards	Presenter
**April 27, 2022	Workshop on Models for Environmental and Energy Policy Analysis	Online. Collaboration of IIASA, Austria, and the University of Haifa, Israel	Energy Sector Development Scenarios for Israel	Presenter
**April 21-23, 2022	<a href="#">Tenth IAERE Annual Conference &amp; First MED-IAERE Conference</a>	Cagliari, Italy	Alternative water sources, food security, and ecosystems in the Mediterranean: what we have learned and the way forward	Presenter in a session and the panel
**March 29-30, 2022	<a href="#">CCTR 2022: Seventh International Conference on Climate, Tourism, and Recreation - CCTR 2022.</a>	Online Conference	Implications of climate change on outdoor recreation according to climate zones	Co-author, presented by Sharon Teitler Regev
**August 17-31, 2021	<a href="#">Triennial International Conference of Agricultural Economists (ICAE 31)</a>	Online Conference	Macro-algae supply chains	Presenter

**June 29 - July 2, 2021	<a href="#">25th Annual ICABR</a>	Ravello, Italy	Algae-based Two-stage Supply Chain with Co-products	Presenter
**June 23-26, 2021	The 26 <sup>th</sup> Annual Conference of the European Association of Environmental and Resource Economists	Online conference	Policy Session on Food Provision in the 21 <sup>st</sup> century	Panel Presenter
**28 April 2021	EGU General Assembly 2021	Online conference	The AWESOME Project: A decision-analytic framework for managing Water Energy Food, and Ecosystems across sectors and scales in the South Mediterranean	Co-author, presented by Elena Matta
**April 21-23, 2021	9th Annual Conference of the Italian Association of Environmental and Resource Economists	Online conference	COVID-19 Influence On Wef Nexus Of Israel	Co-author, presented by Julia Sirota
**Jan 3-5, 2021	2021 AEA/ASSA Annual Meeting of American Economic Association	<a href="#">virtual ASSA annual meeting</a>	How ambitious can the Israeli Green Deal be?	<a href="#">Poster presenter</a>
**Sep 7, 2020	TSS – Second Tsaloniki Sustainability Summit	Thessaloniki, Greece	Economic impacts of natural gas export: the case of Israel	Presenter (online participation)
**August 5th, 6 <sup>th</sup> , and 7th, 2020	32nd EBES Conference- Eurasia Business and Economics Society	Kadir Has University in Istanbul, Turkey	Intergenerational allocation of exhaustible natural resources: the case of natural gas in Israel	Co-author, presented by Prof. Shechter
**June 29 - July 3, 2020	<a href="#">ECOS 2020</a> , 33rd International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems	Grand Cube Osaka Nakanoshima, Kita-ku, Osaka 530-0005, Japan	Inter-generational allocation of exhaustible natural resources: the case of natural gas in Israel	Co-author, presented by Prof. Ayalon
**July 4-6, 2018	International Conference on Economic Modeling – EcoMod2018	Venice, Italy	Economics of Natural Resource Utilization: a case study of macroalgae biorefinery with two co-products	Presenter
**June 25 - 29, 2018	6th World Congress of Environmental and Resource Economists (WCERE)	Gothenburg, Sweden	Time to dare and endure: a case study of macroalgae two-stage supply Chain With Co-products	Presenter

**June 12-15, 2018	2018 ICABR Conference	World Bank, Washington DC	Time to dare and endure: a case study of macroalgae two-stage supply Chain With Co-products	Co-author, presented by Prof. Zilberman
**22-23 May 2017	5th International Symposium on Environment and Energy Finance Issues (ISEFI-2017)	IPAG Business School, Paris, France.	Economic and Risk Aspects of Climate Change implications on the Insurance Sector	Co-author, presented by A. Davidovitch
**June 15-17, 2016	<a href="#">19<sup>th</sup> Annual Conference on Global Economic Analysis</a>	The World Bank in Washington DC, USA	Before the well is dry: Economic Impacts of Water Scarcity	Presenter
**June 9-11, 2016	<a href="#">2016 AERE Summer Conference</a>	Beaver Run, Breckenridge, Colorado, USA	An Assessment of the Impact of Climate Change on the Insurance Market: Global and Local Analyses	Co-author, presented by Mordechai Shechter
**April 21-22, 2016	<a href="#">TI / ERC conference Combating Climate Change: Lessons from Macroeconomics, Political Economy, and Public Finance</a>	Tinbergen Institute Amsterdam, Holland	An Assessment of the Impact of Climate Change on the Insurance Market: Global and Local Analyses	Co-author, presented by Mordechai Shechter
**Dec. 2-4, 2015	UCAL-NSF workshop “Towards Food-Energy-Water (FEW) Security in California under Changing Conditions: the Nexus Perspective	Los Angeles, CA, USA	Economic Impacts of Water Scarcity under Diverse Water Salinities	Presenter
**October 26-28, 2015	<a href="#">The 14th World Wind Energy Conference</a>	Jerusalem, Israel	An Economical-Environmental Assessment of wind power generation in Israel	Co-author, presented by O. Raviv
**September 27- October 2, 2015	<a href="#">SDEWES2015 - The 10th Conference on Sustainable Development of Energy, Water, and Environment Systems</a>	Dubrovnik, Croatia	An Economical-Environmental Assessment of wind power generation in Israel	Co-author, presented by O. Raviv
**June 24-27 2015	<a href="#">Annual Conference of the European Association of Environmental and Resource Economists EAERE 21</a>	Helsinki, Finland	1. <a href="#">Economic Impacts Of Water Scarcity Under Diverse Water Salinities</a>	Presenter
			2. <a href="#">An Assessment Of The Impact Of Climate Change On The Insurance Market: Global And Local Analyses</a>	Co-author, presented by Mordechai Shechter

**April 8-10, 2015	MACSUR Science Conference	Reading, United Kingdom	Economic Impacts Of Water Scarcity Under Diverse Water Salinities	Presenter
**November 25-27, 2014	TradeM International Workshop on Economics of Integrated Assessment Approaches for Agriculture and the Food Sector	Oslo, Norway	The Economic Impact of Water Scarcity Under Diverse Water Qualities and Desalination Policies: The Case of Israel	Presenter
**June 27-July 1, 2014	<a href="#">Western Economic Association International 89<sup>th</sup> Annual Conference</a>	Denver, USA	Assessing The Impact Of Climate Change On Agriculture And A Water Economy With A Diverse Mix Of Water Types - The Israeli Case Study	Presenter, Discussant
**June 28-July 2, 2014	<a href="#">World Congress of Environmental and Resource Economists 2014- WCERE2014</a>	Istanbul, Turkey	1. <a href="#">Assessing The Impact Of Climate Change On Agriculture And A Water Economy With A Diverse Mix Of Water Types - The Israeli Case Study</a>	Co-author, presented by Mordechai Shechter
			2. <a href="#">The Implications Of Climate Change Phenomenon On The Insurance Industry And The Israeli Economy</a>	Co-author, presented by Ayelet Davidovitch
*18-19 July, 2013	Fifth International Conference on Climate Change: Impacts & Responses	Port-Louis, Mauritius	Adaptation to Climate Change: Israel and the Eastern Mediterranean	Presenter
*May 21, 2013	OECD Project on household behavior and environmental policy. Meeting of the Advisory Committee	OECD, Paris, France	Waste Generation, Recycling, and Prevention	Presenter
June 29-July 3, 2012	Western Economic Association International 87 <sup>th</sup> Annual Conference	San Francisco, USA	The Economical Dimension of Cooperation on Water between Israel and Neighboring Countries	Presenter, Discussant,
June 27-June 29, 2012	19 <sup>th</sup> Annual Conference of the European Association	Prague, Czech Republic	Implications of Climate Change on the Insurance	Presenter and discussant

	of Environmental and Resource Economists		Industry and the Israeli Economy	
June 29- July 2, 2011	<a href="#">European Association of Environmental and Resource Economists 18th Annual Conference</a>	Rome, Italy	<a href="#">Land transformation analysis and application</a>	Presenter and discussant
June 16-18, 2011	<a href="#">The 14th Annual Conference on Global Economic Analysis</a>	Venice, Italy	<a href="#">Land transformation analysis and application</a>	Presenter and discussant
June 28-July 2nd, 2010	4th World Congress of Environmental and Resource Economists	Montreal, Canada	Valuation Of Linkages Between Climate Change, Biodiversity, And Productivity Of European Agro-Ecosystems	Presenter and discussant
October 5-7, 2009	XEROCHORE workshop on Impacts of Droughts	Venice, Italy	Participation in Panel Discussion.	Discussant
June 25-27, 2009.	Annual Conference of the European Association of Environmental and Resource Economists (EAERE)	Amsterdam, Holland.	Israeli Economy and Potential Post-Kyoto Targets	Presenter and discussant
July 4-5, 2008.	3rd Atlantic Workshop on Energy and Environmental Economics Climate Change Policies After 2012	Toxa, Spain	Can Climate Change Mitigation Policy Benefit the Israeli Economy? A Computable General Equilibrium Analysis	Co-author, presented by Mordechai Shechter
July 4-5, 2008.	Summer School in Resource and Environmental Economics - Space in Unified Models of Economy and Ecology	Venice, Italy	Assessing Climate Change Impacts: A Dynamic CGE Modeling for Israel	Presenter
July 2-4, 2008.	International Conference on Policy Modeling EcoMod2008	Berlin, Germany	1. Can Climate Change Mitigation Policy Benefit the Israeli Economy? A Computable General Equilibrium Analysis	Presenter
			2. Climate Change Assessment and Agriculture in General Equilibrium Models: Alternative Modeling Strategies	Presenter

June 13, 2008.	The Eleventh Annual Conference on Global Economic Analysis	Helsinki, Finland	Can Climate Change Mitigation Policy Benefit the Israeli Economy? A Computable General Equilibrium Analysis	Presenter and Discussant
June 25-28, 2004	Annual Conference of the European Association of Environmental and Resource Economists (EAERE)	Budapest, Hungary	Household Demand for Waste Recycling Services	Presenter and Discussant

#### b. Papers Presented at the National Conferences

Date	Name of Conference	Place of Conference	Subject of Lecture/Discussion	Role
**July 12-13, 2023	The annual conference of Science and Environment of the Israeli Society for Ecology and Environmental Sciences	Expo Tel Aviv	1. Economic analysis of policy alternatives to reduce GHG emissions in the energy sector in Israel	Presenter
			2. The Effect of Financial Information Presentation on the Intention to Adopt Residential Photovoltaic Systems	Co-author, presented by Boaz David
**July 7-8, 2021	<a href="#">The annual conference of Science and Environment of the Israeli Society for Ecology and Environmental Science</a>	Online conference	No challenge is too great: case study of macroalgae two-stage supply chain with co-products	Presenter
**October 12-13, 2020	<a href="#">The annual conference of Science and Environment of the Israeli Society for Ecology and Environmental Science</a>	Online conference	How green can be Israeli energy policy?	Presenter
**December 2-3, 2019	<a href="#">Israel Energy and Business Convention 2019</a>	Kfar Maccabia Hotel, Ramat Gan	Macro impacts of natural gas export on the Israeli economy	Presenter
**November 19-20, 2018	<a href="#">Israel Energy and Business Convention 2018</a>	Kfar Maccabia Hotel, Ramat Gan	Intergenerational Allocation of Exhaustible Natural Resources: The Case of Natural Gas in Israel	Co-author, presented by Hala Abo-Kala

**June 11, 2018	Research Fair	The Max Stern Yezreel Valley College	1.Evidence of Dutch Disease in the Israeli Economy	Co-author, presented by Liran Voldman
			2.Economic Aspects of Sustainability	Presenter
**February 22, 2018	ESPAnet Conference	The Max Stern Yezreel Valley College	Net Benefit of Green Schools in Israel	Presenter
**December 11, 2017	<a href="#">The Akko Convention on Urbanism</a>	Akko	Net Benefit of Green Schools in Israel	Presenter
**September 11, 2017	Building Community City	David Intercontinental Hotel, Tel Aviv	Net Benefit of Green Schools in Israel	Presenter
**July 10-11, 2017	<a href="#">The annual conference of Science and Environment of the Israeli Society for Ecology and Environmental Science</a>	IDC, Herzelia	1. Are Green schools economically viable?	Panel Presenter
			2. The Economic Value of desalination	Co-author, presented by Zvi Baum
**June 28, 2017	Workshop on Scientific management of marine resources	University of Haifa	The economic value of desalination in Israel	Co-author, presented by Zvi Baum
**February 2, 2016	Hudson Institute and the University of Haifa's Research Center for Maritime Strategy Commission	University of Haifa	The Mediterranean and the Israeli Society: Economic Implications of the Israeli Natural Gas	Co-author, presented by Idan Liebes
**October 12-14, 2015	<a href="#">The annual conference of Science and Environment of the Israeli Society for Ecology and Environmental Science</a>	Jerusalem, Israel	Internalizing external costs into the cost of energy - Analysis of seven planned wind farms in Israel	Co-author, presented by O. Raviv
**June 21, 2015	Workshop on "Natural Gas and the Israeli Society"	University of Haifa	The Mediterranean and the Israeli Society: Economic Implications of the Israeli Natural Gas	Co-author, presented by Idan Liebes
**June 2, 2015	The 31 Annual Conference of the Israel Economic Association	Dan Panorama hotel, Tel Aviv, Israel	Economic Implications of the Israeli Natural Gas	Presenter
**February 24, 2015	International Workshop, Securing Food Using Non-Conventional Water Sources	University of Haifa	<a href="#">Economic Impacts Of Water Scarcity Under Diverse Water Salinities</a>	Presenter
**September 16-18, 2014	42 <sup>nd</sup> Annual Conference	University of Bar Ilan	1. Climate change impact on the	Co-author, presented

	for Science and the Environment, The Israel Society of Ecology and Environmental Sciences		insurance sector and the Israeli economy	by Ayelet Davidovich
			2. An Innovative Approach For Dynamic-Active Electricity Demand Side Management For Households In Smart Grids	Co-author, Presented by Zvi Baum
*October 7 <sup>th</sup> – 9 <sup>th</sup> 2013.	<a href="#">41<sup>st</sup> Annual Conference for Science and the Environment, The Israel Society of Ecology and Environmental Sciences</a>	The Hebrew University's Robert H. Smith Faculty of Agriculture, Food and Environment in Rehovot	Determinants of Household Waste Minimization	Presenter
*June 4, 2013	The 29 Annual Conference of the Israel Economic Association	Dan Panorama hotel, Tel Aviv, Israel	Determinants of Household Waste Minimization	Presenter
June 6, 2011	The 27 Annual Conference of the Israel Economic Association	Maale Hahamisha Congress Center, Israel	Climate change policy in Israel	Presenter
June 2, 2010	The 26 Annual Conference of the Israel Economic Association	Maale Hahamisha Congress Center, Israel	Valuation of Linkages Between Climate Change, Biodiversity, and Productivity of European Agro-Ecosystems	Presenter
May 30, 2007	The 23 Annual Conference of the Israel Economic Association	Maale Hahamisha Congress Center, Israel	Analysis of the Impact of Economic Incentives to Control Greenhouse Gas Emissions within the Framework of a General Equilibrium Model of the Israeli Economy	Presenter
March 13, 2007	The conference on Economic Tools in Environmental and Natural Resource Management. The Faculty of Agriculture in Rehovot.	The Hebrew University of Jerusalem	Economic Incentives for Implementation of the Kyoto Protocol.	Presenter
May 30, 2006	The 22 Annual Conference of the Israel Economic Association	Maale Hahamisha Congress Center, Israel	Incorporating Economic Incentives in Reducing Greenhouse Gas Emissions under the Kyoto Protocol: The Case of Israel	Presenter
May 8, 2002	The 18 Annual Conference of the	Maale Hahamisha	Assessment of Demand for	Presenter

	Israel Economic Association	Congress Center, Israel	Recycling Services of Solid Waste	
January 18, 2002	The 32 Annual Conference of the Israel Environmental Science Association	Tel Aviv, Israel	Assessment of Demand for Recycling Services of Solid Waste	Presenter
June 14, 2001	CARESS 2001-Second Annual Conference on Active Research by Environmental Sciences Students	Weizmann Institute of Science, Rehovot, Israel	Assessment of Demand for Recycling Services of Solid Waste	Presenter
June 19-20, 2000	Annual conference of the Society for Ecology and Environmental Quality Sciences	Haifa, Israel	Assessment of Demand for Recycling Services of Solid Waste	Presenter

### c. Organization of Conferences or Sessions

Dates	Name of Conference	Place of Conference	Subject Conference/Role at Conferences
<b>Organization and Chairing of Sessions</b>			
**June 27 – 30, 2023	EAERE 2023, The 28th Annual Conference of the European Association of Environmental and Resource Economists	Limassol, Cyprus	Principal Organizer of Policy Session on the Economics of Alternative Foods
**June 26-29, 2019	EAERE 2019	Manchester, UK	Principal Organizer of Policy Session on Energy Transition in Israel
**February 22, 2018	ESPAnet Conference	The Max Stern Yezreel Valley College	The organizer of the session "Economic Aspects of Social Welfare"
**June 27-July 1, 2014	<a href="#">Western Economic Association International 89<sup>th</sup> Annual Conference</a>	Denver, USA	Chair of Energy and Environmental Economics Session
June 29-July 3, 2012	Western Economic Association International 87 <sup>th</sup> Annual Conference	San Francisco, USA	Chair of Water Session
November 1-2, 2011	<a href="#">Climate change- challenges, costs, R&amp;D</a>	Ofer Observatory, Eshkol Building, University of Haifa	Co-Organizer of the conference and chair of the session on environmental economics
June 6, 2011	<a href="#">The 27 Annual Conference of the Israel Economic Association</a>	Maale Hahamisha Congress Center, Israel	Organizer and chair of the session on environmental economics
March 30-31, 2011	Conference on preparation and coping with emergencies, following climate change	University of Haifa, Israel	Chair of the session on economic aspects of climate change in Israel
<b>Organization of conferences and workshops</b>			
**01 Jul - 04 Jul 2024	EAERE 2024, The 29th Annual Conference of the European	Leuven, Belgium	<a href="#">Programme Committee</a>

	Association of Environmental and Resource Economists		
**June 27 – 30, 2023	EAERE 2023, The 28th Annual Conference of the European Association of Environmental and Resource Economists	Limassol, Cyprus	Scientific Programme Committee Co-chair
**January 9, 2023	Economics in the Era of Big Data and Digital, International Conference	The Max Stern Yezreel Valley College	Principal Organizer of the Conference, Member of scientific and steering committees.
**April 27, 2022	Workshop on Models for Environmental and Energy Policy Analysis	Online, Collaboration of IIASA, Austria and the University of Haifa, Israel	Principal Organizer of the workshop
**March 23, 2020	Economics in the Era of Big Data and Digital, International Conference	The Max Stern Yezreel Valley College	Principal Organizer of the Conference, Member of scientific and steering committees.
**March 17, 2019	3EAT International Conference	The Max Stern Yezreel Valley College	Principal Organizer of the Conference, Member of scientific and steering committees.
**March 25, 2018	BioEconomy 2018 International Conference	The Max Stern Yezreel Valley College	Principal Organizer of the Conference, Member of scientific and steering committees.
**June 21, 2015	Workshop on "Natural Gas and the Israeli Society"	University of Haifa	Principal Organizer, Member of scientific and steering committees.
**February 24, 2015	International workshop on Securing Food Using Non-Conventional Water Sources	University of Haifa	Principal Organizer, Member of scientific and steering committees.
**February 9, 2015	NRERC – Natural resource and environmental research center Workshop	University of Haifa	Principal Organizer, Member of scientific and steering committees.
**March 23-26, 2014	International workshop on "Modelling European Agriculture with Climate Change for Food Security"	University of Haifa	Principal Organizer, Member of scientific and steering committees.
*March 3-5, 2013	International Workshop Exploring new ideas for trade and agriculture model integration for assessing the impacts of climate change on food security	University of Haifa	The organizer of the workshop and member of the steering committee
October 7, 2010	CIRCE EU FP6 project, RL10 meeting	University of Haifa, Israel	Steering and organizing committee
October 6, 2010	International workshop on "The economics of climate change in the Mediterranean region"	Tel Aviv University, Israel	Member of scientific and steering committees.

## 7. Invited Lectures\ Colloquium Talks

### a. Invited Lectures

Date	Place of Lecture	Name of Forum	Presentation
**August 7, 2024	Jerusalem, Israel	Ministry of Labor	AVODAAT: The potential impact of carbon tax on the labor market in Israel
**July 1-4, 2024	Leuven, Belgium	EAERE 29 <sup>th</sup> annual conference	Policy session: WCEARE: Climate Change, Bioeconomy, and Biodiversity
** June 11, 2024	Ravello, Italy	ICABR Pre-Conference Workshop on Establishing a Sustainable Rural Economy	Establishing a Sustainable Economy: Lessons from Israel
**May 28-29, 2024	Online conference, OECD	OECD Environmental Justice Conference	Carbon tax in Israel: optimal vs possible
**April 7, 2024	Online workshop, Ministry of Energy	Energy models for Israel	The IGEM and MESSAGEix-IL models
**February 28, 2024	Webinar for stakeholders	Institute of Democracy Israel: carbon tax implications	The impact of Carbon tax on the Industry in Israel: a CGE analysis
**February 14, 2024	Webinar, Ministry of Finance	Institute of Democracy Israel: carbon tax implications	The impact of Carbon tax on the Industry in Israel: a CGE analysis
**October 23, 2023	Hybrid workshop	Science Policy Dialogue on the WEF Nexus with and beyond the AWESOME project	Macroeconomic implications of climate change on WEF nexus in the Mediterranean
**August 28-31, 2023	Online Summer School	Water, Energy, Food, and Ecosystems Nexus	Global Computable general equilibrium (CGE) model with alternative water sources for WEF nexus analysis
**November 10, 2022	Sharm El Sheikh, Egypt	<a href="#">The 27th Conference of the Parties of the UNFCCC (COP27), Energy panel</a>	<a href="#">The role of economics in mitigation of and adaptation to climate change</a>
**February 8, 2022	Hotel Dan, Jerusalem	Workshop on climate policy for the Ministry of Finance, Israel	The optimal carbon pricing policy for Israel
**January 24, 2022	Webinar	FEEM, Fondazione Eni Enrico Mattei, Italy	<a href="#">A Computable General Equilibrium (CGE) model for the AWESOME project</a>
**August 17-31, 2021	Online conference	International Association of Agricultural Economists, The 31 <sup>st</sup> International Conference of Agricultural Economists ( <a href="#">ICAE 31</a> )	Sustainable supply chains

**July 8, 2020	Jerusalem, Israel	Ministry of Energy Workshop	Carbon tax to flatten the energy-related-GHG curve in Israel
**December 2, 2019	Kfar Hamacabbia, Ramat Gan	17 <sup>th</sup> Israeli Energy and business convention	Evidence of Dutch Disease in the Israeli Economy
**July 17, 2019	Laxenburg, Austria	Water program seminar, IIASA-International Institute for Applied Systems Analysis	Economic Impacts of Water Scarcity: a Computable General Equilibrium Analysis
**July 10, 2019	Laxenburg, Austria	Energy program seminar, IIASA-International Institute for Applied Systems Analysis	Energy transition: the case of Israel
**September 7-8, 2017	Athens, Greece	<a href="#">3rd International SDSN Mediterranean Conference and Official Launch of the SDSN Greece</a>	Finding common ground – Water, energy, and food nexus
**May 24, 2017	Tel Aviv University, Israel	Marine Offshore Biorefinery in Israel	Economics of Macroalgae Utilization
**November 10-12, 2016	Qingdao, China	3rd Annual Global Congress of Knowledge Economy-2016 (GCKE-2016)	Costs and Benefits of Greening the Schools: the Israeli Experience
**September 30- October 1, 2016	Rutgers University, US	<a href="#">The Bioeconomy: Technological and Policy Path Forward</a>	The Economic Potential Of Seaweed As Processed Natural Resource
**June 18, 2014	Bet Dagan, Israel	Environment and Agriculture Forum, The Ministry of Agriculture and Rural Development,	Climate Change and Insurance
*April 29 <sup>th</sup> , 2013	Tel Aviv University	Workshop on environmental policy in Israel, Foerder Institute, Eitan Berglas School of Economics,	Economic aspects of Adaptation to Climate Change in Israel
May 24, 2012	Emek Yezreel, Israel	Research Fair, The Max Stern Yezreel Valley College	Costs of Adaptation to Climate Change in Israel
November 17, 2008	Ort Braude College Carmiel, Israel	Conference on "Technologies and Environmental Management",	A CGE Model for Assessment of GHG Abatement Costs in Israel

#### b. Colloquium Talks

Date	Place of Lecture	Name of Forum	Presentation
**June 17, 2024	Jerusalem, Israel	Israeli Climate Forum	Carbon tax and the labour market in Israel
**May 22, 2024	Jerusalem, Israel	<a href="#">Elli Hurvitz conference for Economy and Society</a>	Implications of carbon tax on skilled and unskilled labor market in Israel
**May 30, 2023	Jerusalem, Israel	<a href="#">Elli Hurvitz conference for Economy and Society</a>	Implications of carbon tax on industrial production

**March 22, 2021	Online conference	Energy Economics – challenges and Innovations. Meeting of the Association of Electricity, Electronics, and Energy Engineers in Israel (SEEEI)	Carbon pricing in Israel: simulation results of MESSAGEix_IL-MACRO
**June 10, 2020	Online conference	<a href="#">Experts' Workshop - Towards A Carbon Pricing Strategy for Israel</a>	Carbon tax to flatten the energy-related-GHG curve in Israel
**December 17, 2019	Jerusalem, Israel	<a href="#">Elli Hurvitz conference for Economy and Society</a>	<a href="#">Economic assessment of Cleaner energy pathways for Israel</a>
**June 26, 2017	Tel Aviv, Israel	Porter School of Environmental Studies, Tel Aviv University	Economics of biofuels
**March 9, 2016	Berkeley, CA, USA	Colloquium: Agricultural and Resource Economics Department UC Berkeley	<a href="#">Before the well is dry: Economic Impacts of Water Scarcity</a>
*April 25, 2013	IDC Herzliya, Israel	Department Seminar, The School of Sustainability, The Interdisciplinary Center Herzliya	Environmental policy analysis using the general equilibrium model of the Israeli economy, IGEM
June 24, 2012	IDC Herzliya, Israel	Pre-Mumbai Sustainability Workshop	Energy policy in Israel
October 28-29, 2011	Paris, France	The Arab Peace Initiative and Israeli-Palestinian Peace: The Political Economy of a New Period	Environmental cooperation
June 10, 2009.	Haifa, Israel.	Department Seminar, Haifa, Graduate School of Management, The University of Haifa	Can Climate Change Mitigation Policy Benefit the Israeli Economy? A Computable General Equilibrium Analysis
November 10, 2009	Tel Aviv, Israel	Economic Department, The Ministry of Environmental Protection	Can Climate Change Mitigation Policy Benefit the Israeli Economy? A Computable General Equilibrium Analysis
April 7, 2009.	Jerusalem, Israel.	Meeting towards energy tax proposal. The Ministry of Finance	Can Climate Change Mitigation Policy Benefit the Israeli Economy? A Computable General Equilibrium Analysis
December 16, 2008.	Emek Yezreel, Israel	Department Seminar, The Department of Economics and Management, The Max Stern Yezreel Valley College	Computable General Equilibrium Model of the Israeli Economy and Greenhouse Gas Emission Controls
November 7, 2008.	Venice, Italy.	3rd Intra-RL10 Meeting, CIRCE Project	Upgrading Land Allocation Decision in a CGE Model
November 6, 2008.	Venice, Italy.	CCMP-IEM Seminar, FEEM-Fondazione Eni Enrico Mattei	Modelling for Global Virtual Water Analysis
September 8, 2008.	Jerusalem, Israel	Seminar for the Research Department, The Bank of Israel	Can Climate Change Mitigation Policy Benefit the Israeli Economy? A Computable General Equilibrium Analysis

June 3, 2008	Venice, Italy	CCMP-IEM Seminar, FEEM-Fondazione Eni Enrico Mattei	Issues in AGE Modeling for Climate Change Analyses: Water, Land Use Change, and Agriculture
April 14, 2008	Venice, Italy.	Center for Environmental Economics and Management of the Department of Economics, Ca' Foscari University Venice, in cooperation with the European Investment Bank	Impacts of Climate Change and Biodiversity Effects
March 17-18, 2008	Venice, Italy.	Fondazione Eni Enrico Mattei	Modeling Technology Oriented RD&D Strategic Cooperation for Climate Change Mitigation: Methodological Issues and Alternative Policy Scenarios
December 5, 2006.	Haifa, Israel	Course "Environmental management in Municipalities" Naaman Institute, Technion - Israel Institute of Technology	Economic Aspects in Environmental Management

## 8. Research Grants

### a. Grants Awarded

Role in Research	Co-Researchers	Topic	Funded by	Budget	Year
**Co-PI	Researchers from Tel Aviv, Ben Gurion, and Ariel Universities, Shenkar college, and Meir Medical Center	FUTUREWISE – Fueling the Future: Innovative Solutions for Waste to Energy, Technology and Sustainability Life Cycle Assessment	VATAT	Total budget NIS 6.9 M personal budget NIS 600,000	2025-2028
**Co-PI	PI David Zilberman, Co- PIs: Golberg Hochman,	The Economics of Circular Bioeconomy: the Case of Aquaculture and Mariculture	BARD US-Israel Binational agricultural resource and development fund	Total budget USD 310,000, personal budget USD 74,000	2024-2026
**Co-PI	PI Prof. Nathan Sussman	Carbon tax and income inequality in Israel	The Ministry of Environmental Protection	Personal budget ILS 150,000	2023-2024
**Co-PI	PI Prof. Alvaro Israel	Algae potential for carbon capture	The Ministry of Environmental Protection	Budget ILS 75,000	2023
**PI		Analysis of future scenarios for GHG	Ministry of Energy	169,999 ILS	2022-2024

		emission reduction from the Energy Sector in Israel			
**Co-PI	PI Prof Alexander Golberg, Co-PIs: Ofira Ayalon, Michael Gozin	Waste to energy	NOGA	750,000 ILS, personal budget ILS 120,000	2022-2023
**Co-PI	PI: Prof. Andrea Castelletti, Politecnico di Milano, Italy; Co-PIs: Phoebe Koundouri, Athens University of Economics and Business, Greece; Mordechai Shechter, University of Haifa, Israel; Mohamed Hosny, Agrimatic Farms Egypt; Heribert Nacken RWTH University of Aachen, Germany; Sergio Vergalli Fondazione Eni Enrico Mattei Italy	<a href="#">AWESOME</a> - mAnaging Water, Ecosystems, and food across sectors and Scales in the sOuth Mediterranean	PRIMA – Partnership for Research and Innovation in the Mediterranean Area- PRIMA S1 2019 NEXUS RIA, PRIMA Programme supported by the European Union, Horizon 2020.	Total budget €1,700,000, personal budget €100,000	2020-2023
**Co-PI	PI Prof. David Zilberman, Co-PI Prof. Alexander Golberg	Sustainable Agriculture- The Case of Macroalgal-Based Circular Economy	BARD: US-Israel Binational agricultural resource and development fund	Total budget USD 310,000, personal budget USD 100,000	2020-2023
**Co-PI	PI Prof. Yoav D. Livney, Co-PIs: Prof. Alexander Golberg, Dr Alvaro Israel	Seafood meat analogues based on seaweed protein-rich extracts	GFI 2019 Competitive Research Grant Program	Total budget USD 250,000, personal budget USD 38,000	2020-2022

**Co-PI	PI Prof. Nathan Sussman	Israel 2050 a strategic plan for a thriving economy in a sustainable environment: The impact on macroeconomic growth in Israel.	The Israel Democracy Institute and the Ministry of Environmental Protection	Personal budget USD 10,000	2019-2020
**Co-PI	PI Prof. David Zilberman, Co-PI Prof. Alexander Golberg	Assessing the economics of processed natural resources - the case of seaweed	BARD: US-Israel Binational agricultural resource and development fund	Total budget \$100,000, personal budget \$29,000	2017-2018
**Project Coordinator and Co-PI	Co- PIs: Prof. Ofira Ayalon, Prof. Mordechai Shechter, Dr Shiri Zemah-Shamir duration 24 months	Application of a unique framework for the development of sustainable management pathways of the Israeli EEZ-merging of economics and ecology	Philanthropic organization	Budget ILS 1,140,000;	2016-2017
**PI		Consumption Implications of taxing GHG emissions	Ministry of Environmental Protection	Budget ILS 50,000;	2016
**Project Coordinator and Co-PI	Co-PI: Prof. Ofira Ayalon	Green Buildings	The Ministry of Environmental Protection, Israel	Budget ILS 198,000;	2015-2016
*Project Coordinator and Co-PI	Co-PI: Prof. Ofira Ayalon duration 30 months	The Mediterranean Sea and Israeli Society	Philanthropic organization (Keren Rotshild)	Budget ILS 1,150,000;	2013-2015
Co-PI	Co-PIs: Prof. Mordechai Shechter, Prof. Ofira Ayalon	Project on Household Behavior and Environmental Policy	OECD, France	Overall Budget Euro 18000	9/2012-6/2013
Co-PI	PI TAHAL	Master Plan for Energy in Israel	The Ministry of Infrastructures, Israel	Overall Budget ILS 2M; personal budget ILS 300,000	1/8/2011-31/7/2014
Project Coordinator and Co-PI	PI Floor Brower, consortium of about 25 European partners.	Knowledge Hub " <a href="#">MACSUR</a> - Climate change risk assessment for European	The Ministry of Agriculture and Rural Development, Israel in cooperation	Israeli team Budget EURO 200,000	1/6/2012-31/5/2015

	Israeli Co-PIs: Prof. Mordechai Shechter, Prof. Ofira Ayalon, Dr. Iddo Kan, Prof. Uri Milgelgrin,	agriculture and food security”	with EU FACCE-JPI		
Project Coordinator and Co-PI	Co-PI Dr. Dafna DiSegni Co-PI Dr. Iddo Kan.	Analysis of Climatic Change Impact on Water Management and Agriculture in Israel	Water Authority, Israel	Overall Budget ILS 350,000; personal budget ILS 144,000	1/6/2010-31/5/2013
Project Coordinator and Co-PI	PI Mordechai Shechter, Co-PIs: Ofira Ayalon, Prof. Haim Kutiel, Prof. Nurit Cliot	<a href="#">ICCIC</a> - Israel Climate Change Information Center: Economic Aspects	The Ministry of Environmental Protection, Israel	Overall Budget ILS 1M; personal budget ILS 243,000	1/3/2011-28/2/2012
Co-PI	PI Yossi Zeira	Cooperation in Environment and Water”.	AIX group and Peres Piece Center	Budget Euro 5000	1/2/2011-31/1/2012
Project Coordinator and Co-PI	PI Prof. Mordechai Shechter.	Long term analysis of climatic change impacts on the insurance market and the Israeli economy	The Ministry of Environmental Protection, Israel	Overall Budget ILS 186,000; personal budget ILS 93,000	1/1/2011-31/12/2012
Consortium partner and Co-PI.	PI Ofira Ayalon Co-PIs Samuel Neaman Institute and Kivun Strategy.	”Deployment of the Ministry of Environmental Protection Towards Copenhagen Negotiations”.	The Ministry of Environmental Protection, Israel.	Overall Budget ILS 200,000, personal budget ILS 30,000	1/8/2009-31/7/2010.
Project Coordinator and Co-PI	PI Prof. Mordechai Shechter, Co-PI Ofira Ayalon	Analysis of the Impact of Economic Incentives to Control Greenhouse Gas Emissions within the Framework of a Dynamic General Equilibrium Model of the Israeli Economy	The Ministry of Environmental Protection, Israel	Overall Budget ILS 114,000; personal budget ILS 60,000.	1/4/2009-31/12/2010
Co-PI	PI Yaroslav Mysiak, consortium of 11 core	XEROCHORE	Support Action funded by European Commission	Overall Budget EUROS 500,000,	1/4/2008-31/3/2011

	partners from Europe.		under the FP7 – Theme 6, Environment (Including Climate Change).	personal budget EUROS 15,000.	
CI	PI Carlo Carraro, consortium of 60 core partners from Mediterranean countries. Publications: F3, H1, H4, K3.	Climate Change and Impact Research: the Mediterranean Environment (CIRCE) The Socioeconomic Workpackage.	6 <sup>th</sup> Framework Program, EU.	Overall Budget EUROS 1,500,000 personal budget EUROS 15,000	1/4/2007-31/3/2011.
<b>Research grant rewarded by the Research Authority, The Max Stern Yezreel Valley College</b>					
** PI		Research Mobility Grant		ILS 15,000	2024
** PI	Co-PI Dr. Tchai Tavor	Impact of natural gas reserves on exchange rate		ILS 10,000	2019-2020

**b. Submission of Research Proposals – Pending**

Role in Research	Co-Researchers	Topic	Funded by	Year
**Co-PI	Prof. Ofira Ayalon	Local WtE: Economic Assessment of Small-Scale Decentralized Waste-to-Energy municipal facilities	Ministry of Environmental Protection	2024
**Co-PI	Prof. Vered Blass	Energizing Israel: Mapping Sustainable Pathways with MESSAGEix-IL	NOGA	2024
**Co-PI	Prof. Vered Blass	Powering the Future: Analyzing Electricity Trends in Israel Through Input-Output Decomposition	NOGA	2024

**c. Submission of Research Proposals – Not Funded – since 2019**

Role in Research	Co-Researchers	Topic	Funded by	Year	Score
**Co-PI	PI Fernando Nardi, consortium of 9 institutions	NEXUS–NEXT: Accelerate adaptation and mitigation to climate change in the Mediterranean region	PRIMA – Partnership for Research and Innovation in the Mediterranean	2023	14 out of 17.5
**Co-PI	PI Andrea Cominola, consortium of 6 institutions	RUBI - Resilient Urban areas with Blue-green Infrastructure	WATER 4 ALL Joint Transnational Call 2022	2023	13 out of 15
**Co-PI	PI Prof. Eden Mamut, Co-PIs: Prof. Michael Zgurovsky, Prof. Phoebe Koundouri, Prof. Vilayat Valiyev	AI-based Cognitive Computing for Water and Energy Security of Black Sea Region	NATO	2022	NA

**Co-PI	PI Prof. Alexander Golberg, Prof. Alexander Liberzon, Prof. Alvaro Israel	Algae potential for carbon sequestration	Ministry of Energy	2022	NA
**Co-PI	Inna Khozin-Golberg, Alexander Golberg	Knowledge center on algae	Ministry of Science and Technology	2022	NA
**Co-PI	David Zilberman, Jerry Knox	Assessing Climate change Impact on Israel's Agriculture	Ministry of Agriculture	2022	NA
**Co-PI	David Katz, 20 entities from the EU, Israel, and Developing countries	SYNRG	Green Deal - EU	2021	11.5 out of 15
**PI	A consortium of 20 European partners	MERIT- Making European Coasts Resilient: protecting Assets Against Coastal Flooding.	Horizon 2020 LC-CLA-13-2020 "Climate resilience of European coastal cities and settlements"	2020	2020 1 <sup>st</sup> stage approved, 2 <sup>nd</sup> stage score 12.5 out of 15
**Co-PI	Prof. Alexander Golberg	Marine Biomass production for biofuels: modeling, sea experiments, and techno-economic models	Ministry of Energy	2019	85 out of 100
**PI	Dr. Vered Blass	An integrated modeling approach for the cleaner energy sector in Israel	Ministry of Energy	2019	80 out of 100
**Co-PI	Prof Ayalon and a consortium of 5 partners from the Mediterranean	The transition towards sustainable farming systems in the Mediterranean area by implementing and demonstrating novel strategies for competitive and professional freshwater aquaponics	PRIMA – Partnership for Research and Innovation in the Mediterranean Area	2019	14.66 out of 15

## **9. Scholarships, Awards, and Prizes**

### **a. Scholarships**

- FEEM-Fondazione Eni Enrico Mattei, Italy, Post-doctoral Fellowship, 2007-2008.
- Training course on "Contributing I-O Tables to the GTAP Data Base" organized by the Center for Global Trade Analysis, Purdue University, held in the Government Institute for

Economic Research (VATT) in Helsinki, Finland. Accepted into the course and have been awarded the course scholarship. June 15<sup>th</sup> – 16<sup>th</sup>, 2008

- The University of Haifa, Graduate Scholarship, 2004-2007.
- Department of Economics, University of Haifa Graduate Scholarship, 2001-2003.

**b. Awards**

- 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016 – The Max Stern Yezreel Valley College annual reward for academic excellence.
- Paper publication award of the Chief Scientist, The Ministry of Environment, 2003.

**10. Teaching**

**a. Courses Taught in Recent Years**

<b>Year</b>	<b>Name of Course</b>	<b>Type of Course Lecture/ Seminar/ Workshop/ High Learn Course/ Introduction Course (Mandatory)</b>	<b>Degree</b>	<b>Number of Students</b>
**2021-present	Using Big data to solve social and economic challenges	Applied workshop	B.A.	20
2009-2015, **2017-present	Seminar in Energy and Environmental Economics	Seminar	B.A.	24
2009-2015, **2017-present	Energy Economics	Lectures (Elective)	B.A., M.A., and PhD	36
2009-2016, **2017-present	Macro Economics A and B	Mandatory Course	B.A.	40
2010-present	Supervision of research projects at the Department of Natural Resource and Environmental Management, University of Haifa	Seminar	M.A.	20
**2018	Advanced Energy Economics	44 academic hours of frontal lectures	M.A. level course for the economists of the Ministry of Energy	40
2009-2011, **2017	Econometrics	Mandatory Course	B.A.	40

**2016	Economic tools for Environmental Policy Analysis	Workshop	B.A.	20
2009-2015	Intermediate Energy Economics, University of Haifa	Computerized Lectures	M.A. and PhD	20
2005, 2009-2015	Introductory Micro Economics	Introduction Course (Mandatory)	B.A.	40
2003-2006 2008-2015,	Environmental Economics	Lectures (Elective)	B.A.	30
2012-2013	Introductory Economics for non-economists	Introduction Course (Mandatory)	M.A. and PhD	40
2008-2010	Public Economics	Lectures (Elective)	B.A.	35
2005, 2010	Introductory Macro Economics	Introduction Course (Mandatory)	B.A.	40
2004-2006 2008-2010	Natural Resource Economics	Lectures (Elective)	B.A.	30
2003	Advanced Econometrics, Department of Economics, University of Haifa	Practice	M.A.	20

#### b. Supervision of Graduate Students

Name of Student	Name of Other Mentors	Title of Thesis	Degree	Year of Completion / in Progress	Student's Achievements
<b>B.A. with Honors</b>					
**Liran Voldman  Department of Economics and Management, The Max Stern Yezreel Valley College	Dr. Tchai Tavor	Evidence of Dutch Disease in the Israeli Economy	B.A. with Honors	2018	Paper published in <i>Energies</i> (D18)
Goldman G., G. Yossef, and E. Markovich,  Faculty of Industrial Engineering &		Structuring of the CO <sub>2</sub> Tradable Permits System: the Case of Israel	B.A.	2005	The project was awarded as "Outstanding Project in Economics for 2005"

Management, Technion					
<b>M. A. Students</b>					
**Dor Herzstein University of Haifa, Department of Economics	Prof. Tod Kaplan	Supply chain of two-stage production: the case of algae and waste to energy	M.A.	In progress	
**Sarah Malka Or University of Haifa, School of environmental sciences	Prof. Ofira Ayalon	Viability of waste to energy small-scale projects	M.A.	In progress	
**David Boaz  The University of Haifa, Department of Natural Resources & Environmental Management	Prof. Ofira Ayalon	Promoting the adoption of photovoltaic systems on private house rooftops in Israel	M.A.	2022	The research received the UH Rector's Award 2022 for supporting studies that promote SDGs. Paper published in <i>Energies</i> (D29).
**Moran Nabriski  The University of Tel Aviv, Porter School of Sustainability	Prof. Colin Price	Should the insurance sector invest in climate change mitigation?	M.A.	2022	Paper submitted.
**Pninit Kostika  The University of Haifa, Department of Natural Resources & Environmental Management	Prof. Ofira Ayalon	Economic-environmental assessment of plastic packaging of fruits and vegetables at the retail stage	M.A.	2021	The thesis was presented at a national conference
**Oded Agmon  The University of Haifa, Department of Natural	Prof. Ofira Ayalon	Electricity demand function of industrial users	M.A.	2018	The thesis was presented at several national and international conferences

Resources & Environmental Management					
**Idan Leibes The University of Haifa, Department of Natural Resources & Environmental Management	Prof. Ofira Ayalon	Economic Implications of Natural Gas Exports: A Case Study Analysis for Israel	M.A.	2016	The thesis was presented at several national and international conferences
**Zoya Zilberfarb The University of Haifa, Department of Natural Resources & Environmental Management	Prof. Andrea Ghermandi	Public acceptance of greywater-reuse systems in the city Maalot-Tarshiha	M.A.	2015	Paper published in <i>Ecology and Environment</i> (D13)
**Omer Lavi	Prof. Haim Kutiel and Dr. Noam Grinbaum	Analysis of the wind regime on Mount Carmel for potential wind power energy	M.A.	2015	The thesis was presented at national conferences
**Orna Raviv The University of Haifa, Department of Natural Resources & Environmental Management	Prof. Ofira Ayalon	Cost-Benefit Analysis of Wind Energy Projects	M.A.	2015	Paper published in <i>Ecology and Environment</i> (D12)
Helena Faitelson The University of Haifa, the Faculty of Statistics	Prof. Mordechai Shechter and Prof. Avner Halevi	Greenhouse Gases Abatement Policy Alternatives for the Israeli Economy: A General Equilibrium Analysis	M.A.	2011	A thesis presented at national and international conferences
<b>Ph.D. Students</b>					
**Yoav Zioni Tel Aviv University, School of Law	Prof. Yoram Margalioth,	A reform in taxing Non-Profit Organizations	PhD	1.12.2024	Papers under preparation
**Hala Abo-Kalla The University of Haifa,	Prof. Mordechai Shechter & Prof. Ofira Ayalon	Inter-generational allocation of natural resources	PhD	20.4.2020	Paper published in <i>Energies</i> (D20)

Department of Natural Resources & Environmental Management					
**Ayelet Davidovich  The University of Haifa, Department of Natural Resources & Environmental Management	Prof. Mordechai Shechter & Prof. Ofira Ayalon.	The Implications of Climate Change on the Insurance Industry and the Israeli Economy	PhD	28.3.2017	Ayelet received The Rothschild Prize 2024 for best post doc research publication in <i>Ecology and Environment</i> (D8)
**Zvi Baum  The University of Haifa, Department of Natural Resources & Environmental Management	Prof. Ofira Ayalon.	A new concept in dynamic management of household demand for electricity through smart grids	PhD	4.8.2016	Paper published in <i>Renewable Energy</i> (D16)
<b>Post Doctoral Fellows</b>					
**Orna Raviv  University of Haifa, NRERC	Prof. Mordechai Shechter	Modeling alternative water sources in a global computable general equilibrium model	Post Doc. Fellow	2023-2024	Paper (D3) and book chapter (E9) published

**c. M. A. theses referee**

<b>Name of Student</b>	<b>Title of Thesis</b>	<b>Name of Institution and Department</b>	<b>Date of Completion /in Progress</b>	<b>Details of Publication</b>
**Niva Tadmor Shalev	An Economic Analysis Of Bio-Commodity Products Production Derived From Large Scale Seaweed Farm At The Israel Mediterranean EEZ: A Sustainable Source For Food Security, Bioenergy, And Industrial Raw Materials	Natural Resource and Environmental Management, University of Haifa	Thesis proposal review Graduated in 2020	Supervisors: Shiri Zemah Shamir, Dan Tchernov, Amir Neori.
**Moshe Tzur	Subsidies to Renewable Energy	Natural Resource and Environmental Management, University of Haifa	Thesis proposal review, Graduated in 2016	Supervisors: Prof. Ofira Ayalon, Prof. Mordechai Shechter
Tali Segev	Life cycle analysis of municipal solid waste treatment, case study -	Natural Resource and Environmental Management,	2010	Supervisor with Prof. Ofira Ayalon and

	representing Israeli authorities	University of Haifa		Dr. Iddo Kan
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**d. Ph.D. theses referee**

<b>Name of Student</b>	<b>Title of Thesis</b>	<b>Name of Institution and Department</b>	<b>Date of Completion /in Progress</b>	<b>Details of Publication</b>
**Baya Aissaoui	The implementation Hydro-economic model in Tunisia for a better climate change-water security nexus forecasting mitigations and policy decisions	External evaluator and thesis referee for the PhD candidates in Science and Management of Climate Change, Universita Ca'Foscari Venezia	2024	Supervisors: Prof. Francesco Bosello, Prof. Cosimo Solidoro
Roberto Daniel Ponce Oliva	Economic Modeling of Water Resources on Agriculture. Top-down and Bottom- approaches	Ph.D. Program in Science and Management of Climate Change, Universita Ca'Foscari Venezia	2012	Supervisors: Prof. Carlo Giupponi Dr. Francesco Bosello Dr. Maria Blanco

**11. Miscellaneous**

I immigrated to Israel from Ukraine at the age of twelve with my parents in 1990. At eighteen, I married and embarked on a professional career, teaching twelve academic hours a week, publishing extensively, and securing competitive grants, all while raising a family. My husband, Dr. Alik Palatnik, holds a tenure-track position at the Department of Education at Hebrew University. I am a proud mother of three children. My eldest son, now twenty-two, was diagnosed with high-functioning autism. Despite this, he graduated high school with full matriculation, volunteered for military service, and currently works in IT. My fifteen-year-old daughter excels in advanced mathematics and physics while pursuing a competitive windsurfing career. My eleven-year-old son is a curious and cheerful youngster, and I am excited to see how he applies his charm and wit in the future.

**12. Professional Experience**

1996-2007 Ballroom dance teacher and studio manager, Akko. The studio, I developed from the ground up, in parallel to acquiring postgraduate degrees in economics, reached about 100 students.

**13. Non-Academic Community Service (Volunteer Activities, pro-bono)**

<b>Years</b>	<b>Contribution to the Community</b>
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**2022- present	Audit Committee, Haifa Sailing Club, Haifa
**2019- present	Volunteer for battered women, Haifa
**2020-2021	Parents committee Einstein school, Haifa

## PUBLICATIONS

Note: For joint publications, the order of the listed authors appears according to their relative contribution

ORCID iD: <https://orcid.org/0000-0003-4238-456X>

Scopus Author ID: [8623642300](https://orcid.org/0000-0003-4238-456X)

### **A. Ph.D. Dissertation**

**Title:** "Assessing the Impact of Greenhouse Gas Emission Controls in the Framework of a General Equilibrium Model of the Israeli Economy."

**Date of submission:** March 2008.

**A number of pages:** 98 pages.

**Language:** English

**Name of supervisor:** Prof. Mordechai Shechter.

**University:** Ph.D. in Economics, the joint program of the University of Haifa and the Technion – Israel Institute of Technology, Israel.

**Publications:** item no. from the following list (C1, D3, D5, D6, F3, F2, H1, H3, H4)

### **B. Scientific Books (Refereed)**

#### **Authored Books - Published**

\*\*Golberg, Alexander, Arthur Nils Robin, Meiron Zollmann, Hadar Traugott, Ruslana Rachel **Palatnik** and Alvaro Israel. (2020) Macroalgal Biorefineries for the Blue Economy. World Scientific. <https://doi.org/10.1142/11937>. ISBN-13: 978-9811224287

\*Since the senior lecturer rank.

\*\* Since receiving tenure position

Authors' relative contributions are according to the order of names unless otherwise indicated.

### **C. Monographs**

#### **Published**

1. **Palatnik** Ruslana Rachel (2009), 'Economics of Climate Policy Impacts- Applied General Equilibrium Analysis for Israel'. VDM Verlag Dr. Muller Aktiengesellschaft & Co. KG, Saarbrucken, Germany. 112p. ISBN-13: 978-3639154986

### **D. Articles in Refereed Journals**

H-index = 9 and Total number of citations = 237 (from Scopus)

H-index = 13 and Total number of citations = 535 (from Google Scholar)

Journal ranking (Q) and Impact Factor (IF) were taken from Scimago Journal Rank

(<https://www.scimagojr.com/aboutus.php>). The number of citations of each MS was taken from the Scopus® Database (Elsevier B.V.) (<https://www.elsevier.com/solutions/scopus>).

<p>1. <b>**Palatnik</b> Ruslana Rachel, Orna Raviv, Julia Sirota and Mordechai Shechter. Analysis of climate change impact on food security in the Mediterranean countries: The role of alternative water sources and precise aquaculture (2025). <i>Water Resources and Economics</i> 49; 100256. <a href="https://doi.org/10.1016/j.wre.2025.100256">https://doi.org/10.1016/j.wre.2025.100256</a></p> <p>Q2 in Economics and Econometrics, IF 2.3</p> <p><b>Role in the publication:</b> I was responsible for writing – review &amp; editing, writing – original draft, visualization, validation, supervision, project administration, methodology, investigation, funding acquisition, formal analysis, and conceptualization. I was the corresponding author of this paper.</p>
<p>2. <b>**Dunn</b>, Jennifer; Greene, Kristen; Vasquez- Arroyo, Eveline; Awais, Muhammad; Gomez-Sanabria, Adriana; Kyle, Page; <b>Palatnik</b>, Ruslana R.; Schaeffer, Roberto; Zhou, Pengxiao; Aissaoui, Baya; De Cian, Enrica. (2024) Towards enhancing wastewater treatment in Integrated Assessment and Computable General Equilibrium models. <i>Environmental Science &amp; Technology Letters</i> 11 (7), 654-663. <a href="https://doi.org/10.1021/acs.estlett.4c00280">https://doi.org/10.1021/acs.estlett.4c00280</a></p> <p>(Q1 in Water Science and Technology, IF 10.9)</p> <p><b>Role in the publication:</b> I contributed to the conceptualization of the study, I described the Israeli model, paper revision (during the publication process), and approved the final version of the manuscript.</p>
<p>3. <b>**Boaz David</b>, Ruslana Rachel <b>Palatnik</b>, Ofira Ayalon (2024). Not All about the Money: The Role of Financial Information in Promoting Residential Rooftop Photovoltaics. <i>Energies</i>. 2024; 17(9): 2043. <a href="https://doi.org/10.3390/en17092043">https://doi.org/10.3390/en17092043</a></p> <p>(Q1 in Engineering, IF 3.2)</p> <p><b>Role in the publication:</b> I formulated the research strategy, contributed to the conceptualization of the study, development of the research design and methods, data curation and resources, data analysis, review of the literature, paper revision (during the publication process), and approved the final version of the manuscript.</p>
<p>4. <b>**Raviv Orna</b>, Ruslana Rachel <b>Palatnik</b>, Marta Castellini, Sergio Vergali, Gusperti Camilla, Julia Sirota, Mordechai Shechter. (2024). Synergies of CGE and IAM modelling for climate change implications on WEFE nexus in the Mediterranean. <i>Climate Risk Management</i>. Volume 44, 100608. <a href="https://doi.org/10.1016/j.crm.2024.100608">https://doi.org/10.1016/j.crm.2024.100608</a></p> <p>(Q1 in Management, Monitoring, Policy and Law, IF 4.4.)</p> <p><b>Role in the publication:</b> I formulated the research strategy, contributed to the conceptualization of the study, development of the research design and methods, data curation and resources, data analysis, review of the literature, paper revision (during the publication process), and approved the final version of the manuscript.</p>
<p>5. <b>**Zollman Meiron</b>, Liberzon Alexander, Ruslana Rachel <b>Palatnik</b>, David Zilberman, and Alexander Golberg. (2023) Cultivation of <i>Ulva</i> sp. offshore the Eastern Mediterranean Sea in experimental bioreactors: seasonal growth dynamics and environmental effects. <i>Scientific Reports</i>. 13, 14784 (2023). <a href="https://doi.org/10.1038/s41598-023-41605-4">https://doi.org/10.1038/s41598-023-41605-4</a></p> <p>(Q1 in multidisciplinary, IF 0.97)</p> <p><b>Role in the publication:</b> I contributed to the conceptualization of the study, performed economic analysis, revision (during the publication process), and approved the final version of the manuscript.</p>
<p>6. <b>**Unis</b>, Razan, Chemodanov, Alexander, Gnayem, Nabeel, Gnaim Rima, Israel Alvaro, <b>Palatnik</b> Ruslana Rachel, Zilberman David, Gnaim Jallal, Golberg Alexander. (2023). Effect of seasonality on the amino acid and monosaccharide profile from the green seaweed <i>Ulva lactuca</i> cultivated in plastic sleeves onshore (Mikhmoret, Israel). <i>Journal of Applied Phycology</i> <a href="https://doi.org/10.1007/s10811-023-02958-5">https://doi.org/10.1007/s10811-023-02958-5</a></p> <p>(Q1 in aquatic science, IF 3.404)</p>

**Role in the publication:** I contributed to the conceptualization of the study, performed economic analysis, revision (during the publication process), and approved the final version of the manuscript.

7. \*\*Palatnik Ruslana Rachel, Michael Freer, David Zilberman, Alexander Golberg, Mark Levin. (2023) Algae-based two-stage supply chain with co-products. *Ecological Economics*: 207, 107781 Elsevier. <https://doi.org/10.1016/j.ecolecon.2023.107781>

(Q1 in economics and econometrics, IF 6.54)

**Role in the publication:** I initiated the study, formulated the research strategy, performed the empirical analysis and wrote the first draft of the manuscript. I prepared the article for submission according to the journal's guidelines. In addition, I read and approved the final manuscript. I was the corresponding author of this paper.

8. \*\*Palatnik Ruslana Rachel, Davidovitch Ayelet, Volker Krey, Nathan Sussman, Keywan Riahi, and Matthew Gidden. (2023). Accelerating emission reduction in Israel: Carbon pricing vs. policy standards. *Energy Strategy Reviews* 45, Elsevier. <https://doi.org/10.1016/j.esr.2022.101032>

(Q1 in energy, IF 10.01)

**Role in the publication:** I initiated the study, formulated the research strategy, performed the empirical analysis and wrote the first draft of the manuscript. I prepared the article for submission according to the journal's guidelines. In addition, I read and approved the final manuscript. I was the corresponding author of this paper.

9. \*\*Palatnik Ruslana Rachel, Davidovitch Ayelet, Volker Krey, Nathan Sussman, Keywan Riahi, and Matthew Gidden. (2022). How ambitious can the "green deal" in Israel be? *Ecology and Environment* 13(3) V. [Hebrew]. <https://magazine.isees.org.il/?p=52448>

**Role in the publication:** I was involved in all phases of the research. I initiated the study, formulated the research strategy, performed the empirical analysis. I read and approved the final manuscript. I was the corresponding author of this paper.

10. \*\*Hochman Gal and Ruslana Rachel Palatnik (2022). "The Economics of Aquatic Plants The Case of Algae and Duckweed." *The Annual Review of Resource Economics* 14: 1. <https://doi.org/10.1146/annurev-resource-111920-011624>

(Q1 in economics and econometrics, IF 6.617)

**Role in the publication:** I initiated the study, formulated the research strategy, performed the literature review and the analysis. In addition, I read and approved the final manuscript.

11. \*\*Teitler Regev Sharon and Ruslana Rachel Palatnik (2022) Implications of climate change on outdoor recreation: The case of national parks in Israel. *Earth*. 3, 345-362. <https://doi.org/10.3390/earth3010021>

(Q2 in environmental sciences, IF 2.1)

**Role in the publication:** I initiated the study, formulated the research strategy, performed the literature review and the analysis. I read and approved the final manuscript.

12. \*\*Hala Abu-Kalla, Ruslana Rachel Palatnik, Ofira Ayalon, and Mordechai Shechter. 2020. Hoard or Exploit? Intergenerational Allocation of Exhaustible Natural Resources. *Energies*, 13(24), 6657, Section: Energy Economics and Policy, <https://doi.org/10.3390/en13246657>

(Q1 in energy, IF 3.252)

**Role in the publication:** I formulated the research strategy, contributed to the conceptualization of the study, development of the research design and methods, data curation and resources, data analysis, review of the literature, paper revision (during the publication process), and approved the final version of the manuscript.

13. \*\*Prabhu, Meghanath S., Alvaro Israel, Ruslana Rachel Palatnik, David Zilberman, and Alexander Golberg. "Integrated biorefinery process for sustainable fractionation of

<p>Ulva ohnoi (Chlorophyta): process optimization and revenue analysis." <i>Journal of Applied Phycology</i> (2020): 1-12. <a href="https://doi.org/10.1007/s10811-020-02044-0">https://doi.org/10.1007/s10811-020-02044-0</a> (Q1 in aquatic science, IF 3.404) <b>Role in the publication:</b> I contributed to the conceptualization of the study, performed economic analysis, revision (during the publication process), and approved the final version of the manuscript.</p>
<p>14. **Palatnik, Ruslana Rachel, Tavor, Tchai, Voldman#, Liran. (2019). The Symptoms of Illness: Does Israel Suffer from "Dutch Disease"? <i>Energies. Special Issue Energy Economics and Policy in Developed Countries</i>, 12(14): 2752 <a href="https://www.mdpi.com/1996-1073/12/14/2752">https://www.mdpi.com/1996-1073/12/14/2752</a>. (Q1 in energy. IF 3.252) <b>Role in the publication:</b> I initiated the study, formulated the research strategy, performed the literature review and the analysis, and wrote the first draft. I read and approved the final manuscript. I was the corresponding author of this paper.</p>
<p>15. **Davidovitch, Ayelet# Palatnik, Ruslana Rachel, Mordechai Shechter and Ofira Ayalon. (2019). How does Climate Change Will Affect the Insurance Industry and the Israeli Economy? <i>Ecology and Environment</i> 10(4) pp.58-59. V. [Hebrew] <b>Role in the publication:</b> I formulated the research strategy, contributed to the conceptualization of the study, development of the research design and methods, data curation and resources, data analysis, review of the literature, paper revision (during the publication process), and approved the final version of the manuscript.</p>
<p>16. **Baum#<sup>1</sup> Zvi, Ruslana Rachel Palatnik, Ofira Ayalon, David Elmakis, Shimon Faran (2019) Harnessing Households to Mitigate Renewables Intermittency in the Smart Grid. <i>Renewable Energy</i> 132 pp. 1216-1229 <a href="https://doi.org/10.1016/j.renene.2018.08.073">https://doi.org/10.1016/j.renene.2018.08.073</a> (Q1 in renewable energy, sustainability and the environment. IF 8.634) <b>Role in the publication:</b> I formulated the research strategy, contributed to the conceptualization of the study, development of the research design and methods, review of the literature, paper revision (during the publication process), and approved the final version of the manuscript.</p>
<p>17. **Palatnik, Ruslana Rachel, Ayelet Davidovitch, Ofira Ayalon and Tamar Trop. (2018). Is Green Profitable? Cost-Benefit Analysis of Green Schools in Israel. <i>Ecology and Environment</i> 9(1) pp.50-57. V. [Hebrew] <b>Role in the publication:</b> I initiated the study, formulated the research strategy, performed the literature review and the analysis, and wrote the first draft. I read and approved the final manuscript. I was the corresponding author of this paper.</p>
<p>18. **Baum Zvi, Palatnik, Ruslana Rachel, Iddo Kan and Mickey Rappaport-Rom "Economic Impacts of Water Scarcity under Diverse Water Salinities" (2016) <i>Water Economics and Policy (WEP), Special Issue on Economics of Salinity Impacts and Management</i>. WEP 02(01). <a href="https://doi.org/10.1142/S2382624X15500137">https://doi.org/10.1142/S2382624X15500137</a> (Q1 in economics and econometrics, IF 1.133, IF5 1.133) <b>Role in the publication:</b> I formulated the research strategy, contributed to the conceptualization of the study, development of the research design and methods, data curation and resources, data analysis, review of the literature, paper revision (during the publication process), and approved the final version of the manuscript.</p>
<p>19. **Palatnik, Ruslana Rachel, Zoya Zilberfarb# and Andrea Ghermandi. (2016). Public acceptance of greywater-reuse systems. <i>Ecology and Environment</i> 2016: 7(3). V. [Hebrew] <b>Role in the publication:</b> I initiated the study, formulated the research strategy, performed the literature review and the analysis, and wrote the first draft. I read and approved the final manuscript. I was the corresponding author of this paper.</p>

<p>20. **Raviv Orna<sup>#2</sup>, Ofira Ayalon and Ruslana Rachel <b>Palatnik</b>. (2015). Economic Evaluation of Wind Power Generation in Israel. <a href="#"><i>Ecology and Environment</i> 2015: 6(3): 167-173</a>. V. [Hebrew]</p> <p><b>Role in the publication:</b> I formulated the research strategy, contributed to the conceptualization of the study, development of the research design and methods, data curation and resources, paper revision (during the publication process), and approved the final version of the manuscript.</p>
<p>21. **<b>Palatnik</b> Ruslana Rachel &amp; Paulo Augusto Lourenço Dias Nunes (2015) Economic valuation of climate change-induced biodiversity impacts on agriculture: results from a macro-economic application to the Mediterranean basin, <i>Journal of Environmental Economics and Policy</i>, 4: 1, 45-63, <a href="https://doi.org/10.1080/21606544.2014.963165">https://doi.org/10.1080/21606544.2014.963165</a> Publisher: Taylor and Francis Ltd.</p> <p>(Q2 in economics and econometrics. IF 2.6)</p> <p><b>Role in the publication:</b> I formulated the research strategy, contributed to the conceptualization of the study, development of the research design and methods, data curation and resources, data analysis, review of the literature, paper revision (during the publication process), and approved the final version of the manuscript.</p>
<p>22. **Banse Martin, Floor Bower, Ruslana Rachel <b>Palatnik</b>, and Franz Sinabel. (2014) <a href="#"><u>Introduction to the special issue: The economics of European agriculture under conditions of climate change</u></a>. (Editorial). <i>German Journal of Agricultural Economics</i>, Volume 63 (2014), Number 3: 131-132.</p> <p>(Q2 in Agricultural and Biological sciences, IF 0.42, IF5 0.87)</p> <p><b>Role in the publication:</b> I was involved in all phases of the editorial process including writing the editorial paper.</p>
<p>23. <b>Palatnik</b> Ruslana Rachel and Roberto Roson, (2012) "<a href="#"><u>Climate Change Assessment and Agriculture in General Equilibrium Models: Alternative Modeling Strategies</u></a>". <i>Climatic Change</i>. 112: 1085–1100. <a href="https://doi.org/10.1007/s10584-011-0356-6">https://doi.org/10.1007/s10584-011-0356-6</a> Publisher: Springer Netherlands.</p> <p>(Q1 in Global and planetary change, IF 5.174, IF5 6.059).</p> <p><b>Role in the publication:</b> I initiated the study, formulated the research strategy, performed the literature review and the analysis, and wrote the first draft. I read and approved the final manuscript. I was the corresponding author of this paper.</p>
<p>24. <b>Palatnik</b> Ruslana Rachel, Helena Faitelson and Mordechai Shechter (2012). "<a href="#"><u>Israeli policy towards reaching Cancun pledge: A comparison of actions in plan and economically efficient measures</u></a>" <i>Finance and Business</i> 2012: 1.</p> <p><b>Role in the publication:</b> I initiated the study, formulated the research strategy, performed the literature review and the analysis, and wrote the first draft. I read and approved the final manuscript. I was the corresponding author of this paper.</p>
<p>25. <b>Palatnik</b> Ruslana Rachel, Iddo Kan, Mickey Rapaport-Rom, Andrea Ghermandi, Fabio Eboli and Mordechai Shechter. (2011) "<a href="#"><u>Integration of general and partial equilibrium agricultural land-use transformation for the analysis of climate change in the Mediterranean</u></a>" <i>Climate Change Economics</i>. Volume 2, Issue: 4(2011) pp. 275-299. <a href="https://doi.org/10.1142/S2010007811000310">https://doi.org/10.1142/S2010007811000310</a></p> <p>(Q1 in management, policy and law, IF5 3.5)</p> <p><b>Role in the publication:</b> I initiated the study, formulated the research strategy, performed the literature review and the analysis, and wrote the first draft. I read and approved the final manuscript. I was the corresponding author of this paper.</p>
<p>26. <b>Palatnik</b>, Ruslana Rachel and Mordechai Shechter (2010) <a href="#"><u>Assessing the Economic Impacts of Climate Change Using a CGE Model with Decentralized Market</u></a></p>

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<sup>2</sup> # My student

<p><a href="#">Instruments</a>. <i>Journal of Siberian Federal University. Humanities &amp; Social Sciences</i> 6 (2010 3) 912-923. (Q2 in anthropology, IF 0.1, IF5 0.2). <b>Role in the publication:</b> I initiated the study, formulated the research strategy, performed the literature review and the analysis, and wrote the first draft. I read and approved the final manuscript. I was the corresponding author of this paper.</p>
<p>27. <b>Palatnik</b> Ruslana Rachel and Mordechai Shechter, (2010), "<a href="#">The Israeli Economy and Potential Post-Kyoto Targets</a>", <i>Israel Economic Review</i> Vol. 8, No. 1 (2010), 21–43. (Q3 in economics, econometrics and finance) <b>Role in the publication:</b> I initiated the study, formulated the research strategy, performed the literature review and the analysis, and wrote the first draft. I read and approved the final manuscript. I was the corresponding author of this paper.</p>
<p>28. <b>Palatnik</b>, Ruslana Rachel and Nunes, Paulo (2010). Valutazione delle Relazioni tra Cambiamenti Climatici, Biodiversità e Produttività dei Sistemi Agro-Forestali in Europa. <i>Agriregionieuropa</i> Special Issue on Climate Change and Agriculture: Adaptation, Mitigation and Food Security, 6, 21. <b>Role in the publication:</b> I formulated the research strategy, contributed to the conceptualization of the study, development of the research design and methods, data curation and resources, data analysis.</p>
<p>29. <b>Palatnik</b> Ruslana Rachel and Mordechai Shechter, (2008), "Assessing the Impact of Greenhouse Gas Emission Controls within the Framework of a General Equilibrium Model of the Israeli Economy", <i>Economic Quarterly</i> 55(4) pp. 545-573. V. [Hebrew] <b>Role in the publication:</b> I developed the research design and methods, data curation and resources, data analysis, review of the literature, writing the first draft, paper revision (during the publication process), and approved the final version of the manuscript. I was the corresponding author of this paper.</p>
<p>30. <b>Palatnik</b> Ruslana Rachel, Ofira Ayalon, and Mordechai Shechter, (2005), "Household Demand for Waste Recycling Services", <i>Environmental Management</i> 35(2) pp. 121-129. DOI: 10.1007/s00267-004-0044-7 (Q1 in waste management, IF 3.266, IF5 3.372) <b>Role in the publication:</b> I developed the research design and methods, data curation and resources, data analysis, review of the literature, writing the first draft, paper revision (during the publication process), and approved the final version of the manuscript. I was the corresponding author of this paper.</p>
<p>31. <b>Palatnik</b> Ruslana Rachel, Ofira Ayalon, and Mordechai Shechter, (2004), "Household Demand for Waste Separation and Recycling Devices", <i>Economic Quarterly</i> 51(3) pp. 413-430. V. [Hebrew]. <b>Role in the publication:</b> I developed the research design and methods, data curation and resources, data analysis, review of the literature, writing the first draft, paper revision (during the publication process), and approved the final version of the manuscript. I was the corresponding author of this paper.</p>

## **E. Articles or Chapters in Scientific Books**

### **(Which are not Conference Proceedings)**

<p>1. **Raviv, Orna, <b>Palatnik</b> Ruslana Rachel, Shechter Mordechai (2022). Review of the economic impact of water availability on food security and the related ecosystems. In (Eds.) Cavalli Laura and Vergalli Sergio. <i>Connecting the Sustainable Development Goals: The WEF Nexus</i>. Sustainable Development Goals Series. Springer, Cham. <a href="https://doi.org/10.1007/978-3-031-01336-2_4">https://doi.org/10.1007/978-3-031-01336-2_4</a></p>
<p>2. **<b>Palatnik</b> Ruslana Rachel, Davidovitch Ayelet, Volker Krey, Nathan Sussman, Keywan Riahi, and Matthew Gidden (2021). How ambitious can the Israeli Green Deal</p>

<p>be? In Tsani and Øverland (Eds.) <i>Handbook on the Sustainable Politics and Economics of Natural Resources</i>. Edward Elgar. ISBN: 978 1 78990 876 3. DOI: <a href="https://doi.org/10.4337/9781789908770.00019">https://doi.org/10.4337/9781789908770.00019</a> PPS. 135-151</p>
<p>3. **Palatnik Ruslana Rachel (2020) Blue economy and Marine Biorefinery. In Golberg A. (Eds.) <i>Macroalgal Biorefineries for the Blue Economy</i>. World Scientific. <a href="https://doi.org/10.1142/11937">https://doi.org/10.1142/11937</a>. ISBN-13: 978-9811224287</p>
<p>4. **Palatnik Ruslana Rachel (2020) Economics of Macroalgae Biorefineries. In Golberg A. et al., (Eds.) <i>Macroalgal Biorefineries for the Blue Economy</i>. World Scientific. <a href="https://doi.org/10.1142/11937">https://doi.org/10.1142/11937</a>. ISBN-13: 978-9811224287</p>
<p>5. **Palatnik Ruslana Rachel (2019) The Economic Value of Seawater Desalination—The Case of Israel. In: Wittwer G. (eds) <i>Economy-Wide Modeling of Water at Regional and Global Scales</i>. Advances in Applied General Equilibrium Modeling. Springer, Singapore. <a href="https://link.springer.com/chapter/10.1007%2F978-981-13-6101-2_9">https://link.springer.com/chapter/10.1007%2F978-981-13-6101-2_9</a></p>
<p>6. **Golberg, Alexander, Meiron Zollmann, Meghanath Prabu and Ruslana Rachel Palatnik (2019). Enabling bioeconomy with offshore macroalgae biorefineries. In: H.B. Singh and Chetan Keswani (Eds.) <i>Bioeconomy for Sustainable Development</i>. <a href="https://doi.org/10.1080/21606544.2014.963165">https://doi.org/10.1080/21606544.2014.963165</a> Springer-Nature, Singapore. <a href="https://link.springer.com/chapter/10.1007/978-981-13-9431-7_10">https://link.springer.com/chapter/10.1007/978-981-13-9431-7_10</a></p>
<p>7. **Palatnik Ruslana Rachel and David Zilberman (2017) <a href="#">Economics of Natural Resource Utilization - the Case of Macroalgae</a>. In: Pinto A., Zilberman D. (eds) <i>Modeling, Dynamics, Optimization and Bioeconomics II</i>. DGS 2014. Springer Proceedings in Mathematics &amp; Statistics, vol 195. Springer, Cham <a href="https://doi.org/10.1007/978-3-319-55236-1_1">https://doi.org/10.1007/978-3-319-55236-1_1</a>.</p>
<p>8. **Palatnik Ruslana Rachel and Paulo A.L.D. Nunes (2014) "Exploring the Use of a Macro-micro-based Approach to Value Biodiversity Productivity Impacts on the Agricultural Sector". In <i>Handbook on the Economics of Ecosystem Services and Biodiversity</i>. Eds. Paulo A.L.D. Nunes, Pushpam Kumar and Tom Dedeurwaerdere. Edward Elgar. Pp. 153-168. DOI: <a href="https://doi.org/10.4337/9781781951514.00016">https://doi.org/10.4337/9781781951514.00016</a></p>
<p>9. Palatnik Ruslana Rachel and Hmaldi (2012) "Environmental Cooperation" in Arnon A. and S. Bamyra (eds.), [The Aix Group], <i>The Arab Peace Initiative and Israeli-Palestinian Peace: The Political Economy of a New Period</i>. pp 361-445, AIX group, March 2012.</p>

## F. Articles in Conference Proceedings

### Published

<p>1. **Abu-Kalla, Hala, Ruslana Rachel Palatnik, Ofira Ayalon, Moti Shechter (2020). Intergenerational allocation of exhaustible natural resources: the case of natural gas in Israel. Proceedings of the 33rd International Conference -ECOS, 2020. On Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems, Osaka, Japan. (The conference was canceled due to Covid-19) <a href="https://ecos2020.org/proceedings.html">https://ecos2020.org/proceedings.html</a></p>
<p>2. **Palatnik Ruslana Rachel, Baum, Zvi, Kan, Iddo, &amp; Rapaport-Rom, Mickey. (2016). Economic Impacts of Water Scarcity under Diverse Water Salinities (Presented at the 19th Annual Conference on Global Economic Analysis, Washington DC, USA). Purdue University, West Lafayette, IN: Global Trade Analysis Project (GTAP). Retrieved from <a href="https://www.gtap.agecon.purdue.edu/resources/res_display.asp?RecordID=5101">https://www.gtap.agecon.purdue.edu/resources/res_display.asp?RecordID=5101</a></p>
<p>3. **Baum Zvi, Palatnik, Ruslana Rachel, Iddo Kan and Mickey Rappaport-Rom (2015) "Economic Impacts of Water Scarcity under Diverse Water Salinities" Annual Conference of the European Association of Environmental and Resource Economists EAERE 21. Helsinki, Finland. 33 pages.</p>

4.	**Davidovich, Ayelet, <b>Palatnik</b> , Ruslana Rachel, Ofira Ayalon and Mordechai Shechter (2015) "An Assessment Of The Impact Of Climate Change On The Insurance Market: Global And Local Analyses" Annual Conference of the European Association of Environmental and Resource Economists EAERE 21. Helsinki, Finland. 40 pages.
5.	**Baum Zvi, <b>Palatnik</b> , Ruslana Rachel, Iddo Kan and Mickey Rappaport-Rom (2014) "Assessing The Impact Of Climate Change On Agriculture And A Water Economy With A Diverse Mix Of Water Types - The Israeli Case Study. Western Economic Association International 89th Annual Conference Denver, USA"
6.	<b>Palatnik</b> , Ruslana Rachel (2012) "The Economical Dimension of Cooperation on Water between Israel and Neighboring Countries. Western Economic Association International 87th Annual Conference. San Francisco, USA"
7.	<b>Palatnik</b> , Ruslana Rachel, Kan, Iddo, Rapaport-Rom, Mickey, Ghermandi, Andrea, Eboli, Fabio and Mordechai Shechter. (2011). "Land transformation analysis and application (Presented at the 14th Annual Conference on Global Economic Analysis, Venice, Italy). Purdue University, West Lafayette, IN: Global Trade Analysis Project (GTAP). Retrieved from <a href="https://www.gtap.agecon.purdue.edu/resources/res_display.asp?RecordID=3508">https://www.gtap.agecon.purdue.edu/resources/res_display.asp?RecordID=3508</a>
8.	<b>Palatnik</b> , Ruslana Rachel and Paulo ALD Nunes (2010) "Valuation of Linkages Between Climate Change, Biodiversity And Productivity Of European Agro-Ecosystems", Presented at the 4th World Congress of Environmental and Resource Economists (WCERE), Montreal, Canada. June 28 - July 2. 40 pages.
9.	Mordechai Shechter & Ruslana Rachel <b>Palatnik</b> , 2008. "Can Climate Change Mitigation Policy Benefit the Israeli Economy? A Computable General Equilibrium Analysis," EcoMod2008 23800132, EcoMod.
10.	<b>Palatnik</b> , Ruslana Rachel and Mordechai Shechter (2008) "Can Climate Change Mitigation Policy Benefit the Israeli Economy? A Computable General Equilibrium Analysis" Environmental Economics Abstracts-WPS -Vo. 13, No.31; Presented at the 11th Annual Conference on Global Economic Analysis, Helsinki, Finland. 33 pages.
11.	<b>Palatnik</b> Ruslana Rachel, Roberto Roson (2008) "Climate Change Assessment and Agriculture in General Equilibrium Models: Alternative Modeling Strategies" Proceedings of the EcoMod2008 - International Conference on Policy Modeling, held in Berlin, Germany, July 2-4, 2008. Eli Bayar (Ed.) EcoMod Press, December 2008, Florence, MA, USA. 26 pages.

## **H. Other Scientific Publications: Research Reports**

1.	** Golberg, A., Ayalon, O., Lishner M., Ruslana Rachel <b>Palatnik</b> (2024). "Hydrothermal liquefaction (HTL) of hospital waste to energy: process development, social, environmental and techno-economic impacts. NOGA"
2.	** Israel Alvaro, Leor Korzen, Assaf Ariel, Ruslana Rachel <b>Palatnik</b> , Dor Hertzenstein, Itamar Avishay (2024). <a href="#">Offshore cultivation of seaweeds to capture CO<sub>2</sub> and alleviate global changes: a feasibility analysis for the Israeli Mediterranean Sea</a> . Report submitted to The Ministry of Environmental Protection, Israel
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## **J. Other Works and Publications**

### **i. Media: Online and print**

Opinion pieces, interviews, and invited articles for the Calcalist, Globes, The Marker, and other financial and business newspapers, and leading news portals, in the fields of economics, energy, and environment in Hebrew, Russian and English. Enclosed, are selected articles published **after 2018**.

<b>Date</b>	<b>Title and link</b>	<b>Platform</b>
14/11/2024	**Weekend edition Interview: <a href="#">Carbon policy after Trump</a> [Hebrew]	Interview for weekend edition of Calcalist
12/8/2024	** <a href="#">Carbon tax impact on the economic behavior</a> [Hebrew]	The economic front, Galey Zahal
12/8/2024	** <a href="#">The political economy of Carbon tax</a> [Hebrew]	Calcalist
11/7/2024	** <a href="#">Carbon tax and climate change impacts in Israel</a> [Russian]	<a href="https://detaly.co.il/">https://detaly.co.il/</a>
20/12/2021	** <a href="#">Winter Storms and Firestorms: How the Climate Crisis Will Change Israel</a> [Russian]	<a href="https://detaly.co.il/">https://detaly.co.il/</a>
31/10/2021	** <a href="#">The troubles of insurance companies will cause us much more</a> [Hebrew]	bizzness.net
19/10/2021	** <a href="#">The climate troubles of insurance companies</a> [Hebrew]	Zavit
30/9/2021	** <a href="#">Carbon tax in Israel: better imperfect than nothing at all</a> - Note by Ruslana Rachel Palatnik	EAERE Highlights No. 37
16/7/2020	** <a href="#">Removing biorefineries from Haifa bay</a> [Russian]	ReLevant

5/5/2020	** <a href="#">Oil price below zero</a> [Russian]	ReLevant
11/3/2020	** <a href="#">Economic impacts of Covid-19</a>	ReLevant
28/12/2019	** <a href="#">The basis for climate regulation in Israel was developed in the Yezreel Valley college</a> [Hebrew]	Razui Mazui
22/12/2019	** <a href="#">New research: transition to renewable energy will boost the economic growth</a> [Hebrew]	Calcalist
13/6/2018	** <a href="#">Thanks</a> to the parents for the support by now [Hebrew]	TheMarker
20/2/2018	** <a href="#">After signing the agreement, the shares of Gas are on the rise</a> [Hebrew]	IsraelHayom

## ii. Media: Video, audio, podcasts

Interviews on radio, TV, and podcasts in Hebrew, Russian and English. Enclosed, are selected interviews broadcasted **after 2018**.

Date	Title and link	Platform
25/12/2021	**From Shabbat to Shabbat – review of the week with Michael Rabinovitch [Russian]	<a href="#">Channel 9</a>
16/7/2020	**Interview to the podcast of Shmulik Shwartz [Hebrew]	Valley of Sustainability
10/5/2020	**Negative Oil price - interview for Zeva hakesef with Yair Vainreb [Hebrew]	Reshet B
3/4/2018	** <a href="#">Bio-Economy in everyday life</a> [English]	Kan English News
2/4/2018	** <a href="#">highlights of a bio-economics conference that was held in Israel</a> [English]	ILTV Studio

## **K. Books, Articles, and Other Works Submitted for Publication**

### Articles submitted for publication in refereed journals

1. Palatnik Ruslana Rachel, Borowitzka, Michael, Hochman, Gal, Zilberman, David (Minor Revision). Evolution of Innovation and Production Supply Chains: The Case of Microalgae-Based  $\beta$ -Carotene. *European Review of Agricultural Economics*. Q1 in Economics and Econometrics, IF 3.3.
2. Nabriski, Moran, Ruslana Rachel Palatnik, Colin Price (Minor Revision). The potential of the insurance industry to finance climate mitigation - an empirical analysis. *Humanities and Social Sciences Communications*. Q1 in Economics, Econometrics and Finance, IF 3.7.

### Under preparation

1. Palatnik Ruslana Rachel and Ofira Ayalon. Energy economics and policy – the economically efficient vs politically feasible. *Energies*. Q1
2. Modeling alternative water sources in a global computable general equilibrium. With Bosello, Parrado, Sirota, Raviv and Shechter
3. The economic potential of offshore macroalgae biorefinery. With Alexander Golberg and Yoav Lavy.
4. Supply chain from sea macroalgae to biostimulants: the challenges and potential. With Alexander Golberg and David Zilberman.
5. Palatnik, Ruslana Rachel, Oded Agmon, Ofira Ayalon. Industrial electricity demand in Israel.
6. Palatnik, Ruslana Rachel, Dor Herzstein, Alexander Golberg and David Zilberman. Assessing the production function of seaweed cultivation.