

**CURRICULUM VITAE**

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Email: [shira.das@gmail.com](mailto:shira.das@gmail.com)**EDUCATION**

<b>Year</b>	<b>Scientific field, Name of Institution, and Department</b>	<b>Degree</b>
<b>1996</b>	<b>Mathematics and Physics</b> Faculty of Exact Sciences, Tel Aviv University	<b>B.Sc.</b>
<b>2005</b>	<b>Geophysics and Planetary Sciences</b> Faculty of Exact Sciences, Tel Aviv University <i>Title of thesis: "The Onset and Evolution of the Palmahim Disturbance in the Southeast Mediterranean Continental Margin"</i>	<b>M.Sc.</b>
<b>2013</b>	<b>Master of Business Administration</b> Faculty of Management, Tel Aviv University	<b>MBA</b>
<b>2018</b>	<b>Natural Resources and Environmental Management</b> Faculty of Management, University of Haifa <i>Title of dissertation: "Regulatory impact analysis and assessment of the municipal solid waste market in Israel"</i>	<b>Ph.D.</b>

**POST-DOCTORAL FELLOWSHIP**

<b>Year</b>	<b>Name of Institution, Department, and Subject</b>	<b>Host</b>
<b>2019-2020</b>	Faculty of Mechanical Engineering, Technion - Israel Institute of Technology Subject: Decision-making under severe unbounded uncertainty based on Info-Gap Decision Theory	Prof. Yakov Ben-Haim

## PARTICIPATION IN SCHOLARLY CONFERENCES

### International Conferences - Held Abroad

The name of the presenter is underlined

<b>Date</b>	<b>Name of Conference</b>	<b>Place of Conference</b>	<b>The subject of the Lecture/ Discussion</b>	<b>Role</b>
15-17 December 2017	7 <sup>th</sup> IconSWM International Conference on Solid Waste Management 2017	Professor Jayashankar Telangana State Agricultural University, Rajendranagar, Hyderabad, Telangana, India	<u>S. Daskal</u> , O. Ayalon, M. Shechter The State of Municipal Solid Waste (MSW) Management in Israel	Oral presentation
			<u>F. Di Maria</u> , RL. Mersky, <u>S. Daskal</u> , O. Ayalon, SK. Ghosh Preliminary comparison among recycling rates for developed and developing countries: The case of India, Israel, Italy and USA	Oral presentation
21-23 May 2018	The 4 <sup>th</sup> Symposium on Urban Mining and Circular Economy	Congress Center Papa Giovanni XXIII, Bergamo, Italy	<u>S. Daskal</u> , O. Ayalon, M. Shechter The role of regulation in closing the municipal solid waste loop	Oral presentation
			<u>F. Di Maria</u> , O. Ayalon, <u>S. Daskal</u> Different Approaches for Bio-Waste Management by Anaerobic Digestion: An Italian and Israeli Comparison	Oral presentation
13-14 May 2019	World Congress on Recycling	Olympia Hotel Events & Spa, Valencia, Spain	<u>S. Daskal</u> , <u>O. Ayalon</u> Does the Extended Producer Responsibility Ensure Recycling Rates- The Case of the Packaging Law in Israel	Oral presentation

### International Conferences - Held in Israel

The name of the presenter is underlined

<b>Date</b>	<b>Name of Conference</b>	<b>Place of Conference</b>	<b>The subject of the Lecture/ Discussion</b>	<b>Role</b>
07 June 2017	The 33 <sup>rd</sup> Annual Conference of the Israel Economic Association 2017	The Open University, Ra'anana, Israel	<u>S. Daskal</u> , O. Ayalon, M. Shechter Regulatory Impact Analysis and	Oral presentation

<b>Date</b>	<b>Name of Conference</b>	<b>Place of Conference</b>	<b>The subject of the Lecture/ Discussion</b>	<b>Role</b>
			Assessment (RIA) of the Municipal Solid Waste (MSW) market in Israel	
10-11 July 2017	The 45 <sup>th</sup> Annual Conference of Science and Environment of the Israel Ecological Society 2017	IDC Herzliya, Israel	<u>S. Daskal</u> , O. Ayalon, M. Shechter Regulatory Impact Analysis and Assessment (RIA) of the Municipal Solid Waste market in Israel	Oral presentation
15-17 October 2018	SWWS & ROS 2018 IWA 15 <sup>th</sup> International Specialised Conferences on Small Water and Wastewater Systems <i>and</i> 7 <sup>th</sup> International Specialised Conferences on Resources Oriented Sanitation	Technion – Israel Institute of Technology, Haifa, Israel	<u>F. Di Maria</u> , <u>S. Daskal</u> , O. Ayalon A Methodological Approach for Comparing Different Management Systems of Effluents: The Italian And Israeli Case Studies	Oral presentation
19-20 June 2019	The 47 <sup>th</sup> Annual Conference of Science and Environment of the Israel Ecological Society 2019	Porter School of Environment and Earth Sciences, Tel Aviv University, Tel Aviv, Israel	<u>S. Daskal</u> , O. Ayalon, M. Shechter Cost-Efficiency Analysis of municipal solid waste treatment alternatives	Oral presentation
29-30 December 2019	The 60 <sup>th</sup> Annual Conference of the Israeli Geographic Society	The University of Haifa's port campus, Haifa, Israel	<u>S. Daskal</u> , Y. Ben-Haim, A. Ben-Eliyahu, G. Levy, R. Avny Strategic Planning for Acute Adverse Multi-Site Events: An Info-Gap Analysis	Oral presentation
12-13 October 2020	The 48 <sup>th</sup> Annual Conference of Science and Environment of the Israel Ecological Society 2020	ZOOM Conference	<u>S. Daskal</u> , Y. Ben-Haim, R. Avny Strategic Planning for routine emergencies under deep uncertainty: Implementing Info-gap decision theory for robust decision-making	Oral presentation

### **Local Conferences - Held in Israel**

The name of the presenter is underlined

<b>Date</b>	<b>Name of Conference</b>	<b>Place of Conference</b>	<b>The subject of the Lecture/ Discussion</b>	<b>Role</b>
04 January 2018	The 1 <sup>st</sup> Annual Conference on Waste Management (named after Danny Sternberg)	The Environmental Education Center, Hiriya Recycling Park, Israel	<u>S. Daskal</u> , O. Ayalon, M. Shechter Analysis and evaluation of the effects of regulation on the Municipal Solid Waste market in Israel	Oral presentation
04 September 2018	The founding conference of the Israeli Society for CSR & Business Sustainability	The Open University, Ra'anana, Israel	<u>S. Daskal</u> , O. Ayalon, M. Shechter Extended Producer Responsibility and Corporate Social Responsibility: The Case of Packaging Waste in Israel	Oral presentation

### **AWARDS and PRIZES**

<b>Year</b>	<b>Description</b>
2021	Excellence in Teaching. Special Award of the IDC Academic institution, Israel.

### **TEACHING EXPERIENCE**

#### **Academic Courses**

<b>Years</b>	<b>Academic Institution</b>	<b>School/ Department</b>	<b>Name of Course</b>	<b>Type of Course Lecture/ Seminar/ Workshop</b>	<b>Degree</b>
2017- Today	Reichman University (IDC Herzliya)	Business Administration and Economics	Corporate Social Responsibility (in Hebrew)	Lecture/ mandatory course	B.A. (Third year)
2017- Today	Reichman University (IDC Herzliya)	The International School - Business Administration and Economics	Corporate Social Responsibility (in English)	Lecture/ mandatory course	B.A. (Third year)
2019- 2020	Ben-Gurion University of the Negev	Department of Geography and Environmental Development	Planning Municipal Solid Waste management systems (in Hebrew)	Lecture	M.A.

<b>Years</b>	<b>Academic Institution</b>	<b>School/ Department</b>	<b>Name of Course</b>	<b>Type of Course Lecture/ Seminar/ Workshop</b>	<b>Degree</b>
2020	Reichman University (IDC Herzliya)	School of Sustainability	Globalization and regulation of the environment (in Hebrew)	Lecture/ mandatory course	B.A. (First year)
2020	Reichman University (IDC Herzliya)	School of Sustainability	Sustainability and Corporate Social Responsibility (in Hebrew)	Lecture/ mandatory course	B.A. (Second year)
2020	Reichman University (IDC Herzliya)	The International School	Sustainability and Corporate Social Responsibility (in English)	Lecture/ mandatory course	B.A. (Second year)
2020 - Today	Bar-Ilan University	Law Faculty	Environmental Regulation: an Industrial Perspective (in Hebrew)	Lecture	LL.M.

### **Additional Teaching Experience**

<b>Years</b>	<b>Academic Institution</b>	<b>School</b>	<b>Name of Course/lecture</b>	<b>Type of Course Lecture/ Seminar/ Workshop</b>	<b>Degree</b>
2016 - Today	University of Haifa	Public Administration and Public Policy	Municipal Solid Waste	Expert guest lecture	M.A. Cadets to the local authorities
2019 - Today	IDC Herzliya	School of Sustainability	Sustainability and Environmental Protection	Workshops (4 meetings)	8 <sup>th</sup> -grade "Hakfar Hayarok" High School
2019 - Today	IDC Herzliya	School of Sustainability	Sustainability and Environmental Protection	Lecture/ mandatory course	12 <sup>th</sup> -grade "Hayovel" High School

## PROFESSIONAL WORK EXPERIENCE

Period	Details
2015 - Today	‘S. Daskal - Economic and Environmental Consulting’: <ul style="list-style-type: none"> <li>• Economic, environmental and municipal strategic consulting to local authorities, municipal associations, and government organizations</li> <li>• Consulting services including tender preparation, project management, economic evaluations, position papers, and policy plans.</li> </ul>
2006 - 2015	<b>CEO at ‘J. Salomon S. Daskal - Economic &amp; Municipal Consulting Ltd.’:</b> <ul style="list-style-type: none"> <li>• Initiating, managing, and supervising strategic projects nationwide</li> <li>• Ongoing consulting services to the Israeli ‘Local Government Economic Services of the Local Authority Ltd.’ ("Mashcal"), including:               <ul style="list-style-type: none"> <li>○ Initiation and management of the national On-Street Parking projects <i>Easypark</i> and <i>Pango</i></li> <li>○ Initiation and management of Mashcal’s national tender of MSW collection and disposal.</li> </ul> </li> <li>• Ongoing consulting services to the ‘Federation of Local Authorities in Israel’ and ‘Forum 15’ the Israeli Forum of Self-Government Cities.</li> <li>• Consulting services to dozens of local authorities in Israel including tender preparation, project management and supervision, financial plans, master plans, economic evaluations, profitability evaluations, efficiency plans, and more.</li> </ul>
1997 - 2005	Various positions in the high-tech industry in Israel and abroad (including one year of relocation to the UK).

### Scholarly Activities

Years	Professional and Academic Consultancy & Management
2018	Researcher for the development of an academic course on food systems, IDC Herzliya
2018 - 2021	Research associate at IDC Herzliya
2022 - Today	Researcher at The Natural Resources and Environmental Research Center (NRERC), University of Haifa
2018 - 2019	Consultant to the Ministry of Environmental Protection via Samuel Neaman Institute for National Policy Research – Preparation of a status report on the preparations of government ministries and additional organizations for climate change.
2020 - 2021	Decentralized Composting in Small Towns (DECOST), Replicability & Transferability Plan

### Review for Academic Journals

Period	Journal
2018-Today	Waste Management (by Elsevier)
2018-Today	Waste Management and Research (by SAGE)
2018-Today	Detritus
2019-Today	Sustainability (by MDPI)
2019-Today	Pavement Research and Technology
2020-Today	Journal of International Management

## Guest Editor

Period	Journal
2021-Today	Guest Editor of Special Issue "Effective Regulation for Sustainable Management of Municipal Solid Waste (MSW)". Sustainability, an Open Access Journal by MDPI.

## PUBLICATIONS

### Ph.D. Dissertation

**Title:** Regulatory impact analysis and assessment of the municipal solid waste market in Israel (in Hebrew). The University of Haifa.

**Supervisors:** Prof. O. Ayalon and Prof. M. Shechter.

### M.Sc. Dissertation

**Title:** The Onset and Evolution of the Palmahim Disturbance in the Southeast Mediterranean Continental Margin. Tel Aviv University.

**Supervisors:** Prof. M. Reshef and Dr. Y. Ben-Gai.

### Articles in Refereed Journals (in English)

1. **Daskal S**, Ayalon O, Shechter M (2018) The State of Municipal Solid Waste Management in Israel. Waste Management & Research 36(6), 527-534
2. Di Maria F, Ayalon O, **Daskal S** (2018) Biodegradable Waste Management by Anaerobic Digestion: A Comparison between Policy Approaches and Regulation in Italy and Israel. Detritus 03: pp 58-67
3. **Daskal S**, Ayalon O, Shechter M (2019) Closing the loop: the challenges of regulation in municipal solid waste management. Detritus 05: pp 3-10
4. Di Maria F, **Daskal S**, Ayalon O (2020) A methodological approach for comparing waste water effluent's regulatory and management frameworks based on sustainability assessment. Ecological Indicators 118 (106805)
5. **Daskal S**, Ben-Eliyahu A, Levy G, Ben-Haim Y, & Avny R (2022) Earthquake Vulnerability Reduction by Building a Robust Social-Emotional Preparedness Program. Sustainability 14(10), 5763.
6. **Daskal S**, Asi O, Sabbah I, Ayalon O, Baransi-Karkaby K (2022) Decentralized Composting Analysis Model – Benefit/Cost Decision-Making Methodology. Sustainability 14(24), 16397.

### Articles in Refereed Journals (in Hebrew)

1. **Daskal S** (2020) Energy recovery from municipal solid waste in Israel. Ecology & Environment (in Hebrew)
2. **Daskal S** & Ayalon O (2020) Treatment of municipal solid waste in Israel: barriers, removal of barriers, and value accelerators. Ecology & Environment (in Hebrew)

3. Elimelech A, Zohar T, Waldman R, **Daskal S** (2020) Consumption and waste the day after the crisis: Will we be able to lower the curve? *Ecology & Environment* (in Hebrew)
4. **Daskal S**, Ben-Eliyahu A, Ben-Haim Y, & Avny R (accepted) Robust Social-Emotional Preparedness Program For an Extreme Earthquake Event. *The Israeli Home Front Command Journal* (in Hebrew)

#### **Book Chapters (in English)**

1. **Daskal S** & Ayalon O (2020) Circular Economy - Situation in Israel. In *Circular Economy: Global Perspective* (pp. 187-200). Springer, Singapore.
2. **Daskal S**, Ayalon O, Shechter M (2020) Implementation of Municipal Solid Waste Regulations in Israel. In *Sustainable Waste Management: Policies and Case Studies* (pp. 279-290). Springer, Singapore.
3. Di Maria F, Mersky R. L., **Daskal S**, Ayalon O, & Ghosh S. K. (2020). Preliminary comparison among recycling rates for developed and developing countries: The case of India, Israel, Italy and USA. In *Sustainable Waste Management: Policies and Case Studies* (pp. 1-13). Springer, Singapore.

#### **Articles in Refereed Conference Proceedings (in English)**

1. **Daskal S**, Ayalon O, Shechter M (2017) The State of Municipal Solid Waste (MSW) Management in Israel. In: Proceedings of 7th IconSWM, Hyderabad, India, 15-17 December.
2. Di Maria F, Mersky RL, **Daskal S**, Ayalon O, Ghosh SK (2017) Preliminary comparison among recycling rates for developed and developing countries: The case of India, Israel, Italy, and USA. In: Proceedings of 7th IconSWM, Hyderabad, India, 15-17 December.
3. **Daskal S**, Ayalon O, Shechter M (2018) The role of regulation in closing the municipal solid waste loop. In: Proceedings of SUM 2018 Fourth Symposium on Urban Mining and Circular Economy, Italy, 21-23 May.
4. Di Maria F, Ayalon O, **Daskal S** (2018) Different Approaches for Biodegradable Waste Management by Anaerobic Digestion: An Italian and Israeli Comparison. In: Proceedings of SUM 2018 Fourth Symposium on Urban Mining and Circular Economy, Italy, 21-23 May.
5. Di Maria F, **Daskal S**, Ayalon O (2018) A Methodological Approach for Comparing Different Management Systems of Effluents: The Italian And Israeli Case Studies. In: Proceedings of SWWS & ROS 2018 IWA 15th International Specialised Conferences on Small Water and Wastewater Systems & 7th International Specialised Conferences on Resources Oriented Sanitation, Israel, 14-18 October.

#### **Articles in Refereed Conference Proceedings (in Hebrew)**

1. **Daskal S**, Ayalon O, Shechter M (2018) Extended Producer Responsibility and Corporate Social Responsibility: The Case of Packaging Waste in Israel. In: Proceedings of the founding conference of the Israeli Society for CSR & Business Sustainability, Israel, 4 September (in Hebrew)



## **Scientific Reports**

1. **Daskal S**, Ben-Haim Y, Ben-Eliyahu A, Avny R. (2020) Strategic Planning for Rescue Operations and Social Support Following Acute Adverse Events: Multi-Site Fires and Earthquakes. National Knowledge and Research Center for Emergency Readiness (in Hebrew), <https://muchanut.haifa.ac.il/index.php/he/component/k2/item/647-2021-02-14-12-38-27>
2. Ayalon O, Reingewertz Y, **Daskal S**, Bisharat E, Shapira N. (2021) Separation of Organic Waste – at the Source or at a Facility? Haifa Israel: Samuel Neaman Institute (in Hebrew), <https://www.neaman.org.il/EN/Separation-of-Organic-Waste>