

CURRICULUM VITAE

Personal Details

Name: **Tzipi Eshet**

Place of birth: Haifa, Israel

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Higher Education

B.Sc. 1978, University of Haifa, Israel, Economics

B.A. 1978, University of Haifa, Israel, Creative Art

Teaching diploma, University of Haifa, Israel, Department of Teacher training

M.Sc 1993, Technion - Israel institute of Technology, Haifa, Israel,

Faculty of Architecture & Town Planning

Name of advisor: Prof. Daniel Czamanski

Title of thesis: Traffic congestion control via transportation demand management

Ph.D 2007, Technion, Israel institute of Technology, Haifa, Israel

Faculty of Civil and Environmental engineering.

Name of advisor: Prof. Mordechai Shechter, and Dr. Mira G. Baron

Title of thesis: Economic Valuation of Externalities Related to Waste

Management: Testing and Applying the Benefit Transfer Method.

Employment History

since 2009	Peer teaching, The Department of Natural Resources and Environmental Management, Graduate school of Management, University of Haifa.
since 2000	Lecturer, Senior Lecturer, Business Management Department, The Neri Bloomfield Wizo Academy, Haifa.
since 2005	Research Fellow, Natural Resource and Environmental Research Center, University of Haifa.
1990 -1999	Lecturer, Pre - Academic Unit, University of Haifa
1998 -1999	Lecturer, Business administration for engineers, Division of Continuing Education and Extension Studies, University of Haifa.

Projects Activities**Guidelines projects**

2007	<i>Waste in Jaffa, problems, recommendations and guidelines for optional solutions.</i> Consultation to The Society for Protection of Nature in Israel, Tel Aviv Branch.
2008-2011	<i>Good Practice Guidelines for the Non-Market Valuation of Forest Goods and Services</i> The project was about developing good practice protocols for the economic valuation of non-market forest goods and services. Developed to the European Cooperation in Science and Technology (COST) Action 45 “European forest externalities (EUROFOREX – COST E45). I participated as a Management Committee Member [E45 IL] and as a contributor to the Benefit Transfer group. Managed by Prof. Pere Riera, <i>Autonomous University of Barcelona, Spain</i>

2013	<p><i>Reassessmnet of the Israeli Landfill tax.</i></p> <p>A reserch conducted for the Ministry of the Environmental Protection in order to reassess the landfill tax imposed in European countries as lessons learned in order to adjust the current tax in Israel to the targets of waste management, set by the Ministry. The project was Managed by Prof. O. Ayalon, Samuel Neaman Institute, Technion.</p>
2013	<p><i>Urban adaptation to climate change – Policy recommendations</i></p> <p>ICCIC- Israel Climate Change Information Center</p> <p>ICCIC was founded in March 2011, at the University of Haifa by the Ministry of Environmental Protection. Urban adaptation is a second stage in the Work that serves as a platform for an Israeli national adaptation plan to impacts of climate change. Managed by Prof. O. Ayalon.</p>

Other Projects

2012	<p><i>Environmental literacy of teacher educators in colleges of teacher education in Israel</i></p> <p>This research was supported by the Mofet Institute and the Department of Teacher Education at the Ministry of Education.</p>
2012	<p><i>Plastic shopping bags in Israel – Policy recommendations</i></p> <p>The policy paper was requested by the Israeli Ministry of Environmental Protection, in order to support the selection of the appropriate policy tool to regulate shopping bags. Managed by Prof. O. Ayalon, Samuel Neaman Institute, Technion.</p>
2012-2014	<p><i>The Druze Community, Local Government, and the Carmel Biosphere Reserve, Israel: from conflict to involvement throughout small and medium businesses</i></p> <p>A joint research-project with additional researchers in Haifa University (Dr. Itai Beer, and Prof. Ido Izhaki) is being carried out for the Ministry of the Environmental Protection.</p>

2012	<p><i>Economic Modeling and Life Cycle Assessment of Plastic Waste in Israel.</i></p> <p>A research conducted for the Ministry of the Environmental Protection</p> <p>The aim of this work was to examine what is the best method of plastic waste management in Israel, while considering both the environmental and economic costs and benefits.</p> <p>With A. Shtibelman, Managed by Prof. O. Ayalon, Natural Resource and Environmental Research Center, University of Haifa.</p>
2013-2014	<p><i>Examination of the situation of disposal of agricultural crops in Israel, reduction of agricultural food loss (overproduction and surplus).</i></p> <p>This research is being conducted for Leket Israel - food association who is interested in examining whether there is a way to channel the surplus produce for uses of food associations (represented by Leket Israel).</p> <p>With Y. Licht, Managed by Prof. O. Ayalon, Samuel Neaman Institute, Technion.</p>
2014-2015	<p><i>Sustainable development of marine aquaculture in Israel's Mediterranean sea.</i></p> <p>This research is being conducted for the Ministry of Agriculture funded by Yad Hanadiv.</p> <p>With T .Trop, Managed by Prof. O. Ayalon, Samuel Neaman Institute, Technion.</p>

Teaching

Courses Taught in Recent Years:

Economics - Micro	Graduate	University of Haifa, Israel The Department of Natural Resources and Environmental Management
Economic valuation of natural resources	Graduate	University of Haifa, Israel The Department of Natural Resources and Environmental

		Management
Economics - Micro	Undergraduate	The Neri Bloomfield Wizo Academy, Haifa.
Economics - Macro	Undergraduate	The Neri Bloomfield Wizo Academy, Haifa.
The Economics of Israel	Undergraduate	The Neri Bloomfield Wizo Academy, Haifa.
Didactics of High school Economics teaching	High school teachers	Advanced studies, Ministry of Education (operated by ORT)

Students feedback

University of Haifa:

Students' scores: course and teacher's evaluation in the 2 recent years: 4.73, 4.88 (out of 5)

Wizo Academy:

Students' scores: course and teacher's evaluation in last year (2012): 4.81, 4.81 (out of 5)

Supervision of Graduate Students in Recent Years,

University of Haifa, Natural Resources & Environmental Management, School of management

<u>Student's Name</u>	<u>Co- supervisors</u>	<u>Title of Thesis / Dissertation/project</u>	<u>Degree</u>	<u>Date of Completion / in Progress</u>
Mor Rozman	Dr. Michael Lazar	Analysis of alternatives of beach erosion management regarding the Coastal cliff at Beit Yannay.	M.A	6/2012
Amos Shtibelman	Prof. Ofira Ayalon	Economic modeling and life cycle assessment of plastic waste in Israel	M.A	12/2012
Yair Levi	Prof. Ofira	Towards energetic efficiency of	MA	11/2012

TZIPI ESHET

Eli Cohen	Ayalon	server farms of computing systems in large companies/ project		
Dina Alpern Ana Pens	Prof. Ofira Ayalon	The public willingness to collaborate with source separation of waste/ project	MA	11/2012
Shiri Hefer	Prof. Ofira Ayalon	Analysis of alternatives to reduce plastics bags use	M.A	6/2013
Yael_Porre Guy Peled Or Pela	Prof. Ofira Ayalon	Analysis of alternative treatments to packaging waste in 3 cities in Israel (Haifa, Tel Aviv and Beer Sheva) / project	MA	11/2013
Tomer Oz Guy Silfen	Dr. Andrea Ghermandi	Economic valuation of the externalities related to Desalination/ project	MA	11/2013
Lior Regev Siba Nasraladin	Prof. Ofira Ayalon	Economic Analysis of Source Separation of Municipal Solid Waste. Representative Municipalities in Israel/ project	MA	1/2014
Oren Azari	Prof. Abraham Haim, Dr. Muky Gross	The economic value of the botanic garden in Oranim's collage	MA	In process
Yaarit Licht	Prof. Ofira Ayalon	Prevention of food waste specifically agricultural food loss (overproduction and surplus)	MA	In process

Membership in professional/scientific societies

- Since 2000 (ISWA Israel) The professional forum for Solid Waste Management in Israel
Since 2000 ISEES, Israel Society of Ecology and Environmental Sciences
Since 2005 Regional Science Association International
Since 2005 (EAERE) European Association of Environmental and Resource Economists

Awards

- 2002 Sapir Foundation of Mifal Hapayis, Israel, for an applied municipal study on the topic of waste management.
2006 AERE, scholarship for excellence paper, for the presentation at the 3rd World Congress of Environmental and Resource Economists, Kyoto, Japan.

Reviewer of academic journals

- 2013 Reviewer of the International Journal of Environment and Sustainable Development (IJESD).
2013 Reviewer of the Journal of Environmental Economics and Policy.

Scientific Publications

Eshet Tzipi, Ayalon O. and Shechter M. (2006). "Valuation of Externalities of Selected Waste Management Alternatives: A Comparative Review and Analysis". *Resources, Conservation & Recycling* 46: 335-364.

Eshet Tzipi, Ayalon O. and Shechter M. (2006). "A Critical Review of Economic Valuation Studies of Externalities from Incineration and Landfilling". *Waste management & research: The journal of the International Solid Wastes and Public Cleansing Association*, 23: 487-504.

THIS ARTICLE WAS RANKED ONE OF TOP 10 ARTICLES PUBLISHED ON THE SAME TOPIC SINCE THIS ARTICLE WAS PUBLISHED.
BIOMEDLIB "WHO IS PUBLISHING IN MY DOMAIN?" 2/7/2011

Eshet Tzipi, Ayalon O, Shechter M. (2006). "An inclusive comparative review of valuation

methods for assessing environmental goods". *International Journal of Business Environment (IJBE)*, 2:190-210.

Eshet Tzipi, Baron M. G., Shechter M. and Ayalon O. (2007). "Measuring Externalities of Waste Transfer Station in Israel, Using Hedonic Pricing". *Waste Management*, 27:614-625.

THIS ARTICLE WAS RANKED ONE OF TOP 10 ARTICLES PUBLISHED ON THE SAME TOPIC SINCE THIS ARTICLE WAS PUBLISHED.

BIOMEDLIB "WHO IS PUBLISHING IN MY DOMAIN?" 2/7/2011.

Eshet Tzipi, Baron M. G., Shechter M. (2007). " Exploring Benefit Transfer: Disamenities of Waste Transfer Stations". *Environmental & Resource Economics*, 37:521-547.

Chapter in a book:

Nova Science Publishers, Inc. (2008), "Landfill Research Focus" ,

Eshet Tzipi, Baron M. G., Shechter M, "Applying and testing the Benefit Transfer method: Externalities from landfills and transfer stations", pp. 55-98.

Papers published in conferences' Proceedings

Eshet Tzipi, Ayalon O. G., Shechter M., "Economic assessment of externalities associated with waste management: a comparative review and analysis of studies", ISEEQS, Israel Society for Ecology & Environmental Quality Sciences, Tel Aviv, Israel, June 2004.

Eshet Tzipi, Ayalon O., Shechter M., "Valuation of waste management externalities: a comparative review and analysis". ISWA, International Solid Waste Association, World Environment Congress and Exhibition, Rome, Italy, October 2004.

Eshet Tzipi, Baron M. G., Shechter M., "Measuring externalities of waste transfer-station using hedonic pricing: case study, Israel". EAERE, 14th Annual Conference of the European Association of Environmental and Resources Economists, Bremen, Germany, June 2005.

Eshet Tzipi, Baron M. G., Shechter M., "Measuring externalities of waste transfer-station

using hedonic pricing”. Regional Science Association of Israel, Haifa University, Israel, June 2005.

Eshet Tzipi, Baron M. G., Shechter M., "Benefit Transfer of Disamenities' Values of Waste Transfer-Stations in Israel". AERE, The 3rd World Congress of Environmental and Resource Economists, Kyoto, Japan, July 2006.

Eshet Tzipi , Disegni D., Shechter M., "The value of Israel's forests and desertification", Drylands, Deserts and Desertification Conference, Sede Boqer Campus, Ben-Gurion University of the Negev, Israel, December 2008.

Eshet Tzipi, Disegni D., Shechter M., "The economic value of forests in Israel ", CIOSTA XXXIII CIGR Conference and Workshop IUFRO, University of Reggio Calabria, Italy, June 2009.

Other Scientific Publications

RIERA P., J. MEYERHOFF, R. MAVSAR, B. RULLEAU, P. ELSASSER, **T. ESHET**, A. JAPPEL, M. KOVALCIK, A. LEITAO, S. NOTARO, R. MOLONEY, R. OLSCHEWSKI, M. SHECHTER, (2011). "Good Practice Guidelines for the Non-Market Valuation of Forest Goods and Services". Edited by P. Riera (Autonomous University of Barcelona) & G. Signorello (University of Catania), (EUROFOREX – COST E45), 90p.

Eshet Tzipi (2012), "Environmental literacy of teacher educators in colleges of teacher education in Israel", Mofet Institute (in Hebrew).

Publications submitted to the Ministry of Environmental Protection and not yet published

Ayalon, O., **Eshet, T.**, Capeluto, G., Green, M., Kutiel, H. Karo, O., Kliot, N., Shterenberg, M., Trop, T., (2013). Israeli Climate Change Information Center (ICCIC). Urban adaptation to climate change - Policy Recommendations, 180 p, (in Hebrew).

Ayalon, O., **Eshet, T.**, Shtibelman, A., (2013). Economic Modeling and Life Cycle Assessment of Plastic Waste in Israel. Natural Resource and Environmental Research Center, University of Haifa. (in Hebrew).

Ayalon, O., **Eshet, T.**, (2013). Reassessment of the Israeli Landfill tax. Samuel Neaman Institute, Technion. (in Hebrew).

Conferences presentations

ISEES, Israel Society of Ecology and Environmental Sciences, Bar Ilan University, September 2014, ENVIRONMENTAL IMPACTS OF FOOD WASTE (IN GENERAL) AND AGRICULTURAL WASTE (IN PARTICULAR).

ISEES, Israel Society of Ecology and Environmental Sciences, Tel Aviv University, October 2012, "Are Lectures in colleges of teacher education in Israel, ready and capable to lead the students and promote environmental education in schools?"

ISEES, Israel Society of Ecology and Environmental Sciences, Tel Aviv University, October 2012, Mor Rozman, "Coastal Cliff Protection in Beit Yanai, Israel: Examination of Alternatives and Public Preference Analysis"

ISEES, Israel Society of Ecology and Environmental Sciences, Tel Aviv University, October 2012, Shiri Hefer, "Reduction the use of plastic shopping bags, Examination of Alternatives and Public Preference Analysis".

ISEES, Israel Society of Ecology and Environmental Sciences, Megiddo, Israel, June 2011, "Environmental literacy of teacher educators in institutes of teacher education in Israel".

University of Haifa, Symposium, Economic and Social Issues in Biodiversity Conservation Policy, June 2010, "Issues in implementing Benefit Transfer method to set economic values to Biodiversity conservation".

CIOSTA XXXIII CIGR Conference and Workshop IUFRO, Mediterranean University of Reggio Calabria, Italy, June 2009. "The economic value of forests in Israel".

Drylands, Deserts and Desertification Conference, Sede Boqer Campus, Ben-Gurion University of the Negev, Israel, December 2008. "The value of Israel's forests and desertification".

German-Israeli Agro-forestry Mini-symposium, Volcani Institute, Bet-Dagan, Israel, November 2008. "The value of Israel's (and European) forests".

ISEEQS, Israel Society for Ecology & Environmental Quality Sciences, International Conference, Technion Institute ,Haifa, Israel, June 2008. "The economic value obtained from forests preservation in Israel".

EUROFOREX, Conference of Action E45, EUROpean FORest EXternalities, La Palma Island, Spain, December, 3-5 2007. "Exploring Benefit Transfer: Disamenity Values of Waste Transfer-Stations in Israel, Relevance to valuation of forests".

AERE, The 3rd World Congress of Environmental and Resource Economists, Kyoto, Japan, July 2006. "Benefit Transfer of Disamenities' Values of Waste Transfer-Stations in Israel".

Regional Science Association International, The Israeli Section, University of Bar-Ilan, Israel, May 2006. "Predicting environmental impacts generated by waste transfer stations in Israel using Benefit Transfer method".

EAERE, 14th Annual Conference of the European Association of Environmental and Resources Economists, Bremen, Germany, June 2005. "Measuring externalities of waste transfer-station using hedonic pricing: case study, Israel".

ISEEQS, Israel Society for Ecology & Environmental Quality Sciences, International conference, Weizmann Institute of Science, Rehovot, Israel, June 2005. "Measuring Externalities of Waste Transfer Station in Israel, Using Hedonic Pricing".

ISWA, International Solid Waste Association, World Environment Congress, Rome, Italy, October 2004. "Valuation of waste management externalities: a comparative review and analysis".

ISEEQS, Israel Society for Ecology & Environmental Quality Sciences, Tel Aviv, Israel, June 2004. "Economic assessment of externalities associated with waste management: a comparative review and analysis of studies".

Seminar presentations at universities and institutions

2002	Biotechnology Tel Hai college	"Waste Management in Israel"
2007	University of Haifa Natural Resources & Environmental Management	"Benefit transfer method"
2007	Department of Economics and Resource Norwegian University of Life Sciences (UMB), Oslo.	"Applications of benefit transfer method – the Israeli case of waste management".
2008	Department of Architecture The Neri Bloomfield Wizo Academy, Haifa	"Issues regarding Israel's Environment"
2012	Environmental management for medical institutions. Netanya academic college	"Management of medical waste"
2012	IDC Interdisciplinary Center Herzliya	"Valuing the environment - Economic valuation methods"
2013	Israeli Electric Company	"Waste in Israel"

Research Grants

- 2012 University of Haifa, Israel, Itai Beeri, Ido Izhaki, **Tzipi Eshet**
Subject: The Druze Community, Local Government, and the Carmel Biosphere
Reserve, Israel: from conflict to involvement throughout small and medium
businesses,
3 years, 150,000 shekels. Funded by Ministry of Environmental Protection.
3 years, 125.000 EUR. Funded by DBU (Deutschen Bundesstiftung Umwelt)
- 2012 University of Haifa, Israel, Ofira Ayalon, **Tzipi Eshet**, Amos Shtibelman
Subject: Economic modeling and life cycle assessment of plastic waste in Israel,
1 year, 50,000 shekels. Funded by Ministry of Environmental Protection.
- 2012 University of Haifa, Israel, Ofira Ayalon, **Tzipi Eshet**
Subject: Government and municipal collaboration for staging climate changes.

1 year, 50,000 shekels. Funded by Ministry of Environmental Protection.

2013 Samuel Neaman Institute, Technion, Israel, Ofira Ayalon, **Tzipi Eshet**, Licht Yaarit

Subject: Examination of the situation of disposal of agricultural crops in Israel,
reduction of agricultural food loss (overproduction and surplus).

1 year, 70,000 shekels. Funded by Leket Israel association.

Additional Information

Advance studies

2009-2011 Specialization – Research and assessment for teachers of teachers,
Mofet Institute, Tel Aviv, Israel.

2007-2009 Specialization – Technological information and communication to
the teachers of teachers, Mofet Institute, Tel Aviv, Israel.

2009 COST E-45, Training course: Benefit transfer and Meta-Analysis, UMB,
Norwegian, University of Life Sciences, Department of Economics and
Resource Management, Oslo, Norway, May 2009.

2007 COST E-45, Training course on Bayesian methods for non-market
valuation, Campus of the Las Palmas de Gran Canaria University, Spain,
November, 2007.

1986 Teaching diploma in Computing science education, Department of
education in Technology and science, Technion, Israel institute of
Technology, Haifa, Israel.