

**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	Year of Approval of Degree
1983-1986	Hebrew University, Department of Earth Sciences, Faculty of Mathematics and Natural Sciences	B.Sc. in Physical Geography and Atmosphere Sciences	1987
1988-1992	Technion – Israel Institute of Technology Faculty of Architecture and Town Planning	M.Sc. in Urban and Regional Planning.	1993
1995-2001	Technion – Israel Institute of Technology Faculty of Architecture and Town Planning	Ph.D. in Urban and Regional Planning	2002

b. **Post-Doctoral Studies**

Period of Study	Name of Institution, Department and Host	Degree	Year of Completion
Sep 2003 - Aug 2004	MIT – Massachusetts Institute of Technology Department of Urban Studies and Planning Prof. Lawrence E. Suskind	Research scholar	2004

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

Dates	Name of Institution and Department	Rank/Position
1986 - 1987	Department of Earth Sciences Faculty of Mathematics and Natural Sciences Hebrew University	Adjunct researcher & Teaching assistant
1997 - 1999	Department of Public Policy Faculty of Social Sciences University of Tel Aviv	Adjunct lecturer
1995 - 2002	Faculty of Architecture and Town Planning Technion – Israel Institute of Technology	Adjunct lecturer
1999 - 2002	Department of Natural Resources & Environmental Management Faculty of Social Sciences & Mathematics University of Haifa	Instructor (lecturer)

<b>Dates</b>	<b>Name of Institution and Department</b>	<b>Rank/Position</b>
Mar. 2002 – Sep. 2002	Faculty of Architecture and Town Planning Technion – Israel Institute of Technology	Senior researcher
Oct. 2002 – Sep. 2003	Faculty of Architecture and Town Planning Technion – Israel Institute of Technology	Lecturer
Oct. 2004 – Sep. 2005	Faculty of Architecture and Town Planning Technion – Israel Institute of Technology	Adjunct senior lecturer
Oct. 2004 – Sep. 2005	Faculty of Architecture and Town Planning Technion – Israel Institute of Technology	Adjunct senior lecturer
Oct. 2005 – Mar. 2009	Faculty of Architecture and Town Planning Technion – Israel Institute of Technology	Assistant Professor (tenure track)
Mar. 2009 – Sep. 2012	Faculty of Architecture and Town Planning Technion – Israel Institute of Technology	Adjunct senior lecturer
Oct. 2008 – Sep. 2013	Department of Geography and Environmental studies University of Haifa	Adjunct lecturer
May 2012 – Sep. 2012	Department of Natural Resources & Environmental Management Faculty of Management University of Haifa	Adjunct lecturer
Oct. 2012 – Sep. 2014	Department of Natural Resources & Environmental Management Faculty of Management University of Haifa	Lecturer Half time employee
Oct. 2014 - Present	Department of Natural Resources & Environmental Management Faculty of Management University of Haifa	Lecturer Full time employee

#### 4. Offices in University Academic Administration

<b>Dates</b>	<b>Appointment / Role</b>	<b>Faculty - Institution</b>
2000 - 2002	Member of the department's students admission board	Department of Natural Resources & Environmental Management, University of Haifa
2000 - 2002	Organizer of the department's colloquium	Department of Natural Resources & Environmental Management, University of Haifa
2003, 2005 - 2009	Member of the urban planning scholarships committee	Faculty of Architecture and Town Planning Technion – Israel Institute of Technology
2003	Organizer of the colloquium	Faculty of Architecture and Town Planning Technion – Israel Institute of Technology
2003 - 2009	Member of the faculty's library committee	Faculty of Architecture and Town Planning Technion – Israel Institute of Technology
2005 - 2008	Organizer of 2 annual field trips for Landscape Design Students	Faculty of Architecture and Town Planning Technion – Israel Institute of Technology
2007	Organizer of the NoForum – A special colloquium for Landscape Design Students	Faculty of Architecture and Town Planning Technion – Israel Institute of Technology
2007-2009	Member of the urban planning students admission board	Faculty of Architecture and Town Planning Technion – Israel Institute of Technology
2008-2009	In charge of developing (with Prof. R Alterman) the 'Environmental Policy and	Faculty of Architecture and Town Planning Technion – Israel Institute of Technology

<b>Dates</b>	<b>Appointment / Role</b>	<b>Faculty - Institution</b>
	Planning' specialization program in Urban and Regional Planning	
2008-2009	Involved in developing the M.Sc. Program in landscape architecture	Faculty of Architecture and Town Planning Technion – Israel Institute of Technology
2008-2009	One of the initiators and in charge of the 'NofArim' graduate program for landscape architects (B.L.A + M.U.R.P)	Faculty of Architecture and Town Planning Technion – Israel Institute of Technology
* 2012-2013	In charge of developing and head of the graduate specialization program in 'Management of Sustainable Built Environment'	Department of Natural Resources & Environmental Management Faculty of Management University of Haifa
* Oct. 2014 - present	A member of the M.A. committee	Department of Natural Resources & Environmental Management Faculty of Management University of Haifa
* Jan. 2014 - present	A member of the Faculty Ethics committee	Department of Natural Resources & Environmental Management Faculty of Management University of Haifa

## 5. Scholarly Positions and Activities Outside the University

### a. Membership in Professional Associations

<b>Date</b>	<b>Professional Association</b>
1991- present	Association for Environmental Planning in Israel
1995 - 2008	RSIAI - Regional Science Association International
1996 - 2009	IALE - International Association for Landscape Ecology
2001 - 2010	Association for Architects and Town Planners in Israel
2002 - 2006	Haifa district Association of Architects and Town Planners in Israel
* 2011 – 2014	Participator in the process of formulation the National Green Growth Plan
* 2014	The Climate Technology Centre & Network (CTN) Through Natural Resources and Environmental Research Center

### b. Public Professional Activities

<b>Date</b>	<b>Position/Activity</b>
1995 - 1998	Environmental consultant to <i>Citizens for the Environment in the Galilee Association</i>
1997	Environmental consultant to the <i>Association for Environmental Quality in Nahariya</i>
1999 - 2002	Member of the steering committee of <i>Policy Paper for Conservation and Sustainable development of Lake Kinneret</i> , Karev Foundation
2004 – 2009	Member of <i>Forest Department Board of Directors</i> , Land Development Authority, Jewish National Fund
2005 - 2009	Referee of papers submitted to " <i>Forest</i> " (Israeli Journal)

2007 - present	Referee of research proposals submitted to the Ministry of Environmental Protection, Chief Scientist
* 2014 - present	Referee of research proposals submitted to the Ministry of National Infrastructures, Energy and Water Resources, Chief Scientist

**c. Miscellaneous**

Dates	Role	Professional Experience	Employer/Hirer
<b>1. Research</b>			
1991	PI (Co-PI S. Amir)	<i>Environmental management in Israel: A survey report</i> (UNEP - Mediterranean Action Plan)	Technion, Center for Urban and Regional Studies, Ministry of the Environment
1994	PI	Feasibility study for <i>Carmel toll tunnels</i>	*The name of the private company is privileged
1998 - 2000	PI (Co.PI S. Amir)	<i>Nature conservation policy in Israel: Formulation process, trends, and future directions</i>	Technion, Center for Urban and Regional Studies, Jewish National Fund
2004 - 2012	PI	<i>JNF's Forestation policy: Transformations and future challenges</i>	Jewish National Fund
2005	PI	Evaluation of " <i>Community leadership plan</i> " and of " <i>DOLEV</i> " plan in <i>Yokneam – Megiddo Partnership 2000 region</i> .	The Jewish Agency for Israel, The Israel Department
2005 - 2012	PI	<i>A handbook on planning of public parks, according to settlement type, population sector, climatic region, and topographic zone</i>	Ministry of Construction and Housing
2006 –2007	PI	Evaluation of " <i>Education Bridge</i> " project in " <i>Surrounding Kinneret</i> " - <i>Milwaukee, St. Paul &amp; Tulsa, Partnership 2000 region</i> .	The Jewish Agency for Israel, The Israel Department
2007 –2008	PI	Evaluation of " <i>Partnership 2000 Delegations Projects</i> " (included 45 delegations from Israel and the partner communities)	The Jewish Agency for Israel, The Israel Department
2007 – 2008	PI	Evaluation of " <i>Shukran</i> " project in Acre	The Jewish Agency for Israel, The Israel Department
2008 - 2011	Writing 4 chapters	Geography textbook for high schools	CET – The Center for Educational Technology
<b>2. Urban and Regional Planning and Environmental Consulting</b>			
1991	Planning team member (Co-Planners S. Fogel & R. Davidovich-Marton)	<i>Absorption of 300,000 immigrants in the Galilee: An Employment Plan</i>	The Jewish Agency for Israel, Department for Renewal and Development
1991 - 1992	Planning team member (Co-Planners D. Shefer, S. Amir, H. Law-Yone & A. Frenkel)	<i>Master plan &amp; development plan for the Northern District</i> . A large- scale regional development project commissioned by the Israel National Planning Board	Technion, Center for Urban and Regional Studies Ministry of the Interior
1992 - 1993.	Planning team member (Co-Planners. Shefer & A. Frenkel)	<i>Master Plan for Carmiel</i>	Technion, Center for Urban and Regional Studies Carmiel municipality Ministry of the Interior
1993 - 1995	Planning team member (Co-Planners A. Mazor and others)	<i>Israel 2020 - Master plan for Israel in the 21<sup>st</sup> century</i> Edited Stage 2 of the Master Plan	Technion, Faculty of Architecture and Town Planning, 12 Ministries and National authorities
1993 - 2000	Regional planner and environmental consultant	Planner of: <i>Har Shokef National Park and Forest</i> <i>Hof Dor National Park</i>	Authority for Nature and Parks (previously - National Parks Authority)

<b>Dates</b>	<b>Role</b>	<b>Professional Experience</b>	<b>Employer/Hirer</b>
		Member of a planning team of: <i>Alonim-Shfaraam National Park</i> Promoted of the approval of 12 plans Prepared reports and working papers	Haifa and Northern districts
1994 - 1995	Planning team member (Co-Planners D. Shefer, A. Frenkel, S. Miron-Pistiner & T. Alfandari)	<i>Master Plan for Upper-Galilee Regional Council</i>	Technion, Center for Urban and Regional Studies, Upper-Galilee Regional Council
1998 - 1999	Planner	<i>A collaboration plan for Gilon and Zurit</i>	Misgav Regional Council, Unit for Strategic Planning
1999 - 2006	Running workshops in policy evaluation	<i>Policy design and evaluation workshops</i> offered to Partnership 2000 project managers	The Jewish Agency for Israel, The Israel Department
2002 – 2003	Environmental consultant	<i>Chavat Hazera project, Kiryat-Gat North planning scheme</i>	Israel Land Authority
2004	Environmental consultant	<i>Mitzpe-Ramon planning scheme</i>	Mitzpe-Ramon municipality Ministry of Construction and Housing
2004	Environmental consultant	<i>Metula planning scheme</i>	Metula municipality Ministry of Construction and Housing
2004	Environmental consultant	<i>Amat-Taninim recreation park Planning Scheme</i>	Arch. Yigal First
2006	Environmental consultant	Edited the Environmental Impact Assessment (EIS) report for " <i>Nachal Ovadia Road</i> ".	Yozmon – Environmental Planning and Management LTD. Yefe-Nof LTD, Haifa
2008 - 2012	Environmental consultant	<i>National Planning Scheme no. 40, for Defense and Development of the Underground Space</i>	Fitelson, Shilo, Jacobson Architects, Farhi-Zafir Architects, Ministry of the Interior
2009	Environmental consultant	Prepared environmental impact evaluation report for recycling station in Nofit	Local residents from Nofit
2009	Environmental consultant	Prepared environmental impact evaluation report for <i>Omanut (Mivtachim) Hotel</i> in Zichron Yaakov	Zichron Yaakov's residents committee
2009 - 2014	Environmental consultant	<i>National Planning Scheme no. 34/b/2, for Seawater Desalination Facilities</i>	Fitelson, Shilo, Jacobson Architects, Water Authority
2010 – 2014	Environmental consultant	Prepared environmental evaluation reports for each plan submitted to the planning council; evaluated environmental impact assessment reports; prepared policy papers	Ministry of the Interior Haifa district planning bureau
2011 - 2014	Environmental consultant	Prepared environmental evaluation reports for each plan submitted to the planning council; evaluated environmental impact assessment reports; prepared policy papers	Ministry of the Interior Central district planning bureau
2013 - 2014	Environmental consultant	Prepared environmental evaluation reports for the major plans submitted to the planning council	Ministry of the Interior Jerusalem district planning bureau
2011 - 2014	Environmental consultant	Prepared environmental evaluation reports for each plan submitted to the National Housing committee (" <i>Havaada Lediyyur Leumi</i> ")	Ministry of the Interior Haifa district planning bureau
2011 - 2014	Environmental consultant	Prepared environmental evaluation reports for each plan submitted to the Housing committee (" <i>Havaada Lediyyur Leumi</i> ")	Ministry of the Interior Central district planning bureau
2013 - 2014	Environmental consultant	Evaluated environmental Impacts Assessment (EIS) Reports, Prepared instructions for EIS, prepared policy papers	Ministry of Environmental Protection

<b>Dates</b>	<b>Role</b>	<b>Professional Experience</b>	<b>Employer/Hirer</b>
2014	Environmental consultant	Evaluated research proposals; prepared policy papers	Ministry of National Infrastructures, Energy and Water Resources, Chief Scientist

## 6. Participation in Scholarly Conferences

### a1. Active Participation in Conferences Abroad

<b>Date</b>	<b>Name of Conference</b>	<b>Place of Conference</b>	<b>Subject of Lecture/Discussion</b>	<b>Role</b>
Oct. 9-10, 1996	IALE International Conference: Landscape Transformation in Europe: Practical & Theoretical Aspects	Warsaw, Poland	A Tool for implementation of landscape conservation policy in Israel	Plenary
Sep. 6-13, 1998	IALE International Conference: Present and Historical Nature-Culture Interactions in Landscapes	Prague, Czech Republic	A model for environmental policy research	Plenary
Nov. 8-10, 2002	International Conference on Landscape Planning: Landscape Planning in the Era of Globalization	Portorose, Slovenia	Principal approaches to nature conservation: Lessons from international experience	Plenary
July 13-17, 2003	IALE World Congress 2003: Crossing Frontiers Landscape Ecology Down Under	Darwin, Northern Territory, Australia	Regulatory approaches to nature conservation: Theory and practice	Plenary
Oct. 4-7, 2006	IALE 14th International Symposium on Problems of Landscape Ecological Research	High Tatra Slovakia	Attitudes towards nature in the Israeli public	Plenary
May 10-14, 2009	5th World Environmental Education Congress	Montreal, Canada	ESD Pedagogy - a guide to the perplexed; Intergenerational transference of education for sustainability: An evaluation kit	Plenary
* Jan. 14-16, 2014	The 6th New Zealand Association for Environmental Education (NZAEE) Biennial Conference	Christchurch, New Zealand	Evaluating School-Community Participation in Developing a Local Sustainability Agenda	Plenary

### a2. Active Participation in Conferences in Israel

<b>Date</b>	<b>Name of Conference</b>	<b>Place of Conference</b>	<b>Subject of Lecture/Discussion</b>	<b>Role</b>
Dec. 24-25, 1995	The Israeli Geographic Association	Hebrew University, Israel	The socially focused alternative of "Israel 2020" - Master Plan for Israel in the 21 <sup>st</sup> century	Plenary
Dec. 20-21, 1998	50 Years of Planning Thought in Israel: Theory & Practice	Technion, Israel	Key developments in Israeli nature conservation policy	Plenary
March 8, 2007	The Annual Conference of the	Technion,	Nature and planning:	Chair Person

<b>Date</b>	<b>Name of Conference</b>	<b>Place of Conference</b>	<b>Subject of Lecture/Discussion</b>	<b>Role</b>
	Association for Environmental Planning in Israel	Israel	Approach, development and conservation	of the session on Nature and planning
March 13, 2007	The Annual Conference of the Association for Environmental Planning in Israel	Technion, Israel	The Environmental session	Chair Person of the session
March 9, 2008	The Annual Conference of the Association for Environmental Planning in Israel	Ashdod, Israel	The Environmental session	Chair Person of the session
March 24, 2009	Sustainability: From Switzerland to Tel Aviv	Tel Aviv University, Israel	The Technion green campus; Green architecture and urban planning	Plenary
June 2-3, 2009	Architecture and Town Planning Conference	Zfat, Israel	Planning public parks in Israel; Waste treatment in Israel	Plenary
June 21-22, 2010	The 38 <sup>th</sup> annual conference of the Israel Society of Ecology & Environmental Sciences	Ben Gurion University, Beer Sheva, Israel	Comparison between environmental schools' sustainability approach to schoolchildren parents' sustainability approach	Plenary
March 18, 2010	The Annual Conference of the Association for Environmental Planning in Israel	Hakfar Hayarok, Israel	The environmental impacts of seawater desalination facilities on the coastal and marine environment	Plenary
Oct. 14, 2010	Ministry of Construction & Housing Conference	Tel Aviv, Israel	Planning of public parks, according to settlement type, population sector, climatic region, and topographic zone	<b>Invited Lecture Keynote speaker</b>
Feb 10, 2011	The Annual Conference of the Association for Environmental Planning in Israel	Ben Gurion University, Beer Sheva, Israel	The utilization of underground space as a leverage for urban regeneration; Planning public parks in urban areas	Plenary
Nov. 17-18, 2011	National Parks and Economic Considerations	Technion, Haifa, Israel		Chair Person of the panel
Apr. 23, 2012	Ministry of Construction & Housing Conference	Jerusalem, Israel	Planning of public parks, according to settlement type, population sector, climatic region, and topographic zone	Chair Person, <b>Invited Lecture Keynote speaker</b>
* Oct. 21, 2013	Ecosystem services and spatial planning. Ministry of Environmental Protection	Maale Hachamisha, Israel	Integrating 'Ecosystem services' approach and ' Value Sensitive Planning' approach into Israel's planning processes	Plenary
* Feb. 20-21, 2014	The Annual Conference of the Israel Planners Association	Hebrew University, Israel	Integrating 'Ecosystem services' approach and ' Value Sensitive Planning' approach into Israel's planning processes	Plenary
* Feb. 19-20, 2015	The Annual Conference of the Israel Planners Association	Ben Gurion University, Israel	Planning ecological: Lessons from the Dutch and the Israeli experience	Plenary

## b. Organization of Conferences or Sessions

<b>Date</b>	<b>Name of Conference</b>	<b>Place of Conference</b>	<b>Subject of Conference/ Role at Conference/ Comments</b>	<b>Role</b>
May 17, 2001	Development and Conservation of Open Spaces in Israel	Haifa Congress Center	Annual conference of the Department of Natural Resources & Environmental Management University of Haifa	Initiator, organizer and chairperson
Jun. 20, 2002	Land Pollution and Remediation in Israel	University of Haifa Department of Natural Resources & Environmental Management Faculty of Social Sciences & Mathematics University of Haifa	Annual conference of the Department of Natural Resources & Environmental Management University of Haifa	Initiator, organizer and chairperson
May 29, 2007	A study day in the honor of Prof. S. Amir's retirement	Technion Faculty of Architecture and Town Planning		Initiator, organizer and chairperson of the discussion group
Nov. 17-18, 2011	National Parks and Economic Considerations	Technion, Faculty of Architecture and Town Planning		One of the organizers and chairperson
* July 8, 2014	Promotion of Sustainable Built Environment	University of Haifa Department of Natural Resources & Environmental Management		Initiator, organizer and chairperson

## 7. Invited Lectures

<b>Date</b>	<b>Place of Lecture</b>	<b>Name of Forum</b>	<b>Presentation/Comments</b>
Jun. 1993	Department of Geography University of Haifa	Invited lecture for geography graduate students in "Environmental Planning" course	Environmental aspects of Development Plan & Master Plan for the Northern District
Aug. 1995	Upper Galilee Regional Council	Invited lecture for environmental activists in Upper-Galilee Regional Council	Principles of protecting environmental quality in Upper Galilee region
May 1996	Faculty of Architecture and Town Planning Technion	Invited lecture for Urban and Regional Planning graduate students in "Social Planning" course	Israel in the path of the developed countries
Feb. 2003	Jewish Agency for Israel The Israel Department Jerusalem	Invited lecture for 42 regional managers of "Partnership 2000" Project	Evaluation of policy and plans
June 2003	Sapir Community Center Haifa	2 invited talks for "Women's Leadership" course	Our shared environment; Concepts and rationalities in sustainable development
Dec. 2004	Jewish Agency for Israel The Israel Department Yokneam-Megiddo	Invited lecture for plan operators of "Partnership 2000" Project	Evaluation of DOLEV and Community Leadership plans
Jan. 2005	Jewish Agency for Israel	Invited lecture for senior policy	Evaluation of DOLEV and



<b>Date</b>	<b>Place of Lecture</b>	<b>Name of Forum</b>	<b>Presentation/Comments</b>
	The Israel Department Tel Aviv	makers of "Partnership 2000" Project	Community Leadership plans
May 2005	Jewish Agency for Israel The Israel Department Carmiel	2 Invited lectures for the Pittsburg Jewish community steering committee	A format for evaluation of Partnership 2000 programs
May 2006, Nov 2006; Jan. 2008, Jan. 2009, Feb. 2010	Technion – Continuing education and external students	Invited lectures for engineers	Environmental policy and management
June 2007	Technion – Continuing education and external students	Invited lecture for social activists	Environmental management in Israel
Dec. 2007	Jewish Agency for Israel The Israel Department	Invited lecture in the annual assembly of Jewish Agency Board of Governors	National evaluation of "Partnership 2000" delegations projects
Feb. 2008, June 2008, Apr. 2011	Ministry of Agriculture	Invited lectures for landscape consultants	A guide for planning of public parks
March 2009, May 2009, March 2010, May 2010, Sep. 2011, Dec. 2011 Jan. 2013, Jan. 2014	Technion, Center for Urban and Regional Studies	Invited lectures in a training program for Planners in the Rural sector	The environmental impacts of agriculture; Planning biosphere reserves in Israel
Dec. 2009, Feb. 2009, Dec. 2010, Feb. 2011, Oct. 2011, Nov. 2011	M.F.A.M – A system of instruction and development centers in the local governance	Invited lectures in a training course for planners	Environmental planning in Israel; Nature conservation in Israel; A guide for planning of public parks
May-June 2011	M.F.A.M Hasharon - A system of instruction and development centers in the local governance	Invited lectures in a training course for planning inspectors	Environmental Planning in Israel
Dec. 2011,	Ministry of Environmental Protection	Invited lecture in environmental planning course	Planning of open spaces in urban areas
July 2012	Ministry of the Interior	Education course for new planners	Environmental Impact Assessment
Feb. 2013	Ministry of the Interior	Education course for planners	Planning a system of public open spaces in cities; Principles for planning opens spaces in regional and national level
Feb. 2014, Nov. 2014	M.F.A.M Hasharon - A system of instruction and development centers in the local governance	Invited lectures in a training course for city engineers	Planning of open spaces in urban areas
May 2014	MASHAV – Israel's Agency for International Development Cooperation, Israel Ministry of Foreign Affairs	Invited lecture in a professional training course to Ministry of Foreign Affairs' experts.	Environmental Impact Assessment and other environmental policy tools – Implementation in 3rd world countries.

## 8. Colloquium Talks

Date	Place of Lecture	Name of Forum	Presentation/Comments
Apr. 2001	Department of Natural Resources & Environmental Management, University of Haifa	Colloquium for Urban and regional planners	Principal approaches to nature conservation
Mar. 2003	Department of Geography University of Beer-Sheba	Colloquium for Urban and regional planners	The formulation process of nature conservation policy in Israel
Nov. 2003	Department of Urban Studies and Planning MIT - Massachusetts Institute of Technology	Colloquium for Urban and regional planners	The formulation process of nature conservation policy in Israel
Feb. 2004	Department of Urban Studies and Planning MIT - Massachusetts Institute of Technology	Colloquium for Urban and regional planners	Toward sustainable development in Israel
Mar. 2008	Technion – Faculty of Civil and Environmental Engineering	Colloquium for Civil Engineers	Integration of environmental considerations in planning
Jan. 2012	Department of Geography and Environmental Studies University of Haifa	Colloquium for graduate students	Utilization of the underground space in the Israel
Apr. 2012	Tel Hai College Department of Environmental Sciences	Colloquium for undergraduate students	Planning of open spaces in urban areas

## 9. Research Grants

### a. Grants Awarded

Role in Research	Co-Researchers	Topic	Funded by	Year
PI	Co- PI: Prof. Shaul Amir	Environmental Management in Israel	UNEP - Mediterranean Action Plan, <b>Total grant 10,000\$</b>	1991
PI	Co- PI: Prof. Shaul Amir	Nature Conservation Policy in Israel: Formulation Process, Trends and Future Direction	Jewish National Fund, <b>Total grant 10,000\$</b>	1998-2000
PI		Nature Conservation Policy in Israel: Formulation Process, Trends, and Future Directions	<b>Israel Foundations Trustees,</b> <b>Personal grant 8,000\$ C</b>	1999-2001
PI		Nature Conservation Policy in Israel: Formulation Process, Trends and Future Direction	The Fund for the Promotion of Research at the Technion, <b>Personal grant 500\$</b>	2001
PI		JNF's Forestation Policy: Transformations and Future Challenges	Jewish National Fund , <b>Personal grant 2,300\$</b>	2003
PI		JNF's Forestation Policy: Transformations and Future Challenges	Jewish National Fund, <b>Personal grant 12,500\$</b>	2004
PI		Evaluation Research of Community Leadership Plan and of " DOLEV" Plan, in Yokneam – Megiddo, Partnership 2000 Region.	Jewish Agency for Israel, The Israel Department, <b>Personal grant 10,000\$</b>	2004
PI	<b>Co-Investigator :</b> Arch. Gideon Sarig	Planning of public parks, according to settlement type, population sector, climatic region, and topographic zone	Ministry of Construction and Housing, <b>Total grant 140,000\$,</b> <b>Personal grant 50,000\$</b>	2005-2012

<b>Role in Research</b>	<b>Co-Researchers</b>	<b>Topic</b>	<b>Funded by</b>	<b>Year</b>
PI		JNF's Forestation Policy: Transformations and Future Challenges	Jewish National Fund, <b>Personal grant 43,200\$</b>	2005-2007
PI	<b>Co-Investigator</b> : Orna Margalit	Integrating Environmental Principles in National and Regional Planning Schemes in Israel	Mifal Hapais Fund, <b>Total grant 4,000\$</b>	2006
PI		Integrating Environmental Justice Aspects into Land Use Planning in Israel	S. Langberg Research Fund, <b>Personal grant 2,000\$</b>	2006
PI		Evaluation research of "Education Bridge" Project in "Surrounding Kinneret" - Milwaukee, St. Paul & Tulsa, Partnership 2000 Region.	The Jewish Agency for Israel, The Israel Department, "Partnership 2000" Project, <b>Personal grant 20,000\$</b>	2006
PI		Evaluation research of "Partnership 2000 Delegations Projects	The Jewish Agency for Israel, The Israel Department, "Partnership 2000" Project, <b>Personal grant 23,000\$</b>	2007
PI		Evaluation research of "Shukran" project in Acre	The Jewish Agency for Israel, The Israel Department, "Partnership 2000" Project, <b>Personal grant 12,000\$</b>	2008
PI	<b>Co-PIs</b> : Fitelson, Shilo, Jacobson – Architects; Farhi-Zafir Architects	National Planning Scheme for Defense and Development of the Underground Space (no. 40) Environmental impact of underground space development,	Ministry of the Interior, <b>Total grant 700,000\$</b> <b>Personal grant 19,000\$</b>	2008-2012
* PI	<b>Co-PIs</b> : Fitelson, Shilo, Jacobson – Architects	National Planning Scheme for Seawater Desalination Facilities (no. 34/b/2), Environmental impact of seawater desalination facilities	Water Authority, <b>Total grant 800,000\$</b> <b>Personal grant 26,000\$</b>	2009-2014
* Co-PI	<b>PI</b> : Prof. Avital Gasit, <b>Co-PIs</b> : Dr. Yuval Sapir & Liav Shalem	Ecological Restoration of unexploited agricultural land	Smoller-Winnikow fellowship, <b>Total grant 20,000\$</b>	2010-2013
* Co-PI	<b>Co-PIs</b> : Prof. Ido Izchaki, Dr. Dan Malkinson, Yael Choresh	Behavioral, demographic and physiological aspects of a critically declining population – The case of the Griffon Vulture <i>Gyps fulvus</i> in Israel	Golan Research Institute, <b>Total grant 11,000\$</b>	2012-2013
* Co-PI	<b>PI</b> : Prof. Ofira Ayalon, <b>Co-PIs</b> : Prof. Mordechai Shechter, Prof. Nurit Kliot, Prof. Haim Kutiel, Prof. Manfred Green, Prof. Marcelo Sternberg, Dr. Tzipi Eshet	Israeli Climate Change Information Center (ICCIC) – Building local government's resilience for climate change	Ministry of Environmental Protection <b>Total grant 600,000\$</b>	2012-2013
* PI	<b>Co-Investigator</b> : Uri Ramon	Integrating 'Ecosystem services' approach and ' Value Sensitive Planning' approach into Israel's planning processes	Ministry of Environmental Protection <b>Total grant 40,000\$</b> <b>Personal grant 20,000\$</b>	2013- Present
* Co-PI	<b>Co-PIs</b> : Prof. Ofira Ayalon, Dr. Tzipi Eshet	Sustainable development of marine aquaculture in Israel's Mediterranean sea	Yad Hanvdiv Foundation <b>Total grant 85,000\$</b> <b>Personal grant 17,000\$</b>	2014 - Present
* PI		Smart and Sustainable Cities Indicators and Feasible Projects for Israeli Cities	Ministry of National Infrastructures, Energy and Water Resources <b>Personal grant 10,000\$</b>	2014 - Present

<b>Role in Research</b>	<b>Co-Researchers</b>	<b>Topic</b>	<b>Funded by</b>	<b>Year</b>
* CO-PI	<b>Co- PIs:</b> Prof. Ofira Ayalon, Dr. Roslana Pletnic, Ayelet Davidovitch	Financial and economic viability of green building in residential and educational buildings, for the consumer and the Israeli economy	Ministry of Environmental Protection <b>Total grant 50,000\$</b>	2015 - present

C – Competitive foundation

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

<b>Role in Research</b>	<b>Co-Researchers</b>	<b>Topic</b>	<b>Funded by</b>	<b>Year</b>
* CO-PI	<b>PI:</b> Prof. H. Kutiel, <b>Co-PIs:</b> Prof. O. Ayalon, Dr. D. Baum, Dr. A. Bruk, Prof. M. Green, Dr. N. Greenbaum, Dr. A. Ghermandi, Dr. N. Davidovitch, Dr. L. Vitenberg, Dr. M. Hush, Dr. H. Levin, Dr. D. Malkinson, D. M. Negev, Dr. T. Eshet, Dr. S. Paz, Dr. R. Plantnik, Dr. Y. Katra, Prof. N. Kliot, Prof. G. Kapeluto, Prof. M. Steinberg	National Information Center for Climate Change (NICCC)	Council for Higher Education' Planning & Budgeting Committee <b>Requested funding for establishment 1,430,000\$</b> <b>Requested funding for annual operation 650,000\$</b>	Aug. 2014
* CO-PI	<b>Co- PI:</b> Prof. Ofira Ayalon	The Mix of Coal Ash Uses in Israel: What is Desirable and what is Feasible?	National Coal Ash Board <b>Total requested funding 23,000\$</b>	Nov. 2014
* PI	<b>Co-Investigator:</b> Prof Pnina Plaut	Evaluation of strategic plans for sustainable development. Case studies: Hefer Valley and Lev HaSharon regional councils	Ministry of Agriculture & Rural Development, Chief Scientist Office <b>Total requested funding 75,000\$</b>	Feb. 2015

**c. Submission of Research Proposals – Denied**

<b>Role in Research</b>	<b>Co- Researchers</b>	<b>Topic</b>	<b>Funded by</b>	<b>Year</b>	<b>Score</b>
PI		Integrating Environmental Justice Aspects into Land Use Planning in Israel	<b><u>Submitted to ISF</u></b> <b>Total requested funding 40,000\$ - c</b>	2006	Very good

C – Competitive foundation

## 10. Scholarships, Awards and Prizes

Date	Scholarships/Awards/ Prizes
1983-1986	Scholarship from the Hebrew University during B.Sc. studies
1988-1992	Scholarship from the Technion during M.Sc. studies
1998	Distinction Award from Miriam and Aaron Gutwirth Memorial Fellowship for Ph.D. research
2003-2004	Scholarship from the Technion for Post Doctoral studies
2006	S. Langberg Research Fund – For getting a 'very good' score for research proposal submitted to ISF
* Oct. 2014	First prize for 'Best Research Work' from the Israeli Association of Landscape Architects. Awarded to the research: " <b>Trop T.</b> and G. Sarig. 2012. Planning of public parks, according to settlement type, population sector, climatic region, and topographic zone"

## 11. Teaching

### a. Courses Taught in Recent Years

Year	Title of Course	Type of Course Lecture/Seminar/ Workshop/High Learn Course/ Introduction Course (Mandatory)	Degree	Number of Students
1995	Studio 4 (60) - Regional Landscape Planning (Co-teacher Prof. S. Amir)	Studio in Planning (Mandatory)	Undergraduate course for Landscape Architects Faculty of Architecture and Town Planning, Technion	32
1995 - 2002	Environmental Impact Assessment (Co-teacher Prof. S. Amir)	Seminar	Graduate course Faculty of Architecture and Town Planning, Technion	15
1996 - 1998	Public Policy Evaluation: Research Methodologies (Co-teacher Prof. A. Barak)	Seminar (Mandatory)	Graduate course Department of Public Policy Tel-Aviv University	40
1996 - 2002	Environmental Policy (Co-teacher Prof. S. Amir)	Seminar	Graduate course Faculty of Architecture and Town Planning, Technion	12
1996 – 2007	Studio 3 - Regional Development and Planning	Studio in Planning (Mandatory)	Graduate course Faculty of Architecture and Town Planning, Technion	32-40
1999 - 2002	Concepts, Rationalities, and Perspectives in Sustainable Development	Lecture	Graduate course Department of Natural Resources & Environmental Management, University of Haifa	30-40
1999 - 2003	Integration of Ecological Principles into Land-Use Planning	Lecture (Mandatory)	Graduate course Department of Natural Resources & Environmental, Management, University of Haifa	30-45
2000 - 2002	Research Methodologies in Environmental Studies	Lecture (Mandatory)	Graduate course Department of Natural Resources & Environmental Management, University of Haifa	30-36

<b>Year</b>	<b>Title 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>
2000 - 2002	Spatial Patterns of Open Spaces	Lecture	Graduate course Department of Natural Resources & Environmental Management, University of Haifa	25-30
2000 - 2003	Projects in Environmental Studies	Studio (Mandatory)	Graduate course Department of Natural Resources & Environmental Management, University of Haifa	30-36
2000 - 2003	Interdisciplinary Introduction to Natural Resources and Environmental Management	Seminar (Mandatory) Introduction	Graduate course Department of Natural Resources & Environmental Management, University of Haifa	30-36
2003	Concepts and Tools in Sustainable Development	Lecture	Undergraduate course Faculty of Architecture and Town Planning, Technion	28-35
2003 - 2012	Introduction to Environmental Planning	Lecture (Mandatory) Introduction	Graduate course Faculty of Architecture and Town Planning, Technion	30-40
2003- 2012	Management of Nature Reserves	Lecture	Undergraduate course Faculty of Architecture and Town Planning, Technion	30-45
2004	Planning for Sustainable Development (Co teachers - Prof. D. Laws and Prof. Martin Rein)	Seminar	Graduate course Department of Urban Studies and Planning, MIT	35
2005	Selected Topics for Planning and Research: Cultural Landscapes	Seminar	Graduate course Faculty of Architecture and Town Planning, Technion	26
2005	Environmental Planning and Impact Assessment	Lecture	Undergraduate course Emek Israel College	32
2005 - 2012	Ecological Principals in Planning	Lecture (Mandatory)	Undergraduate & Graduate course Faculty of Architecture and Town Planning, Technion	30-48
2007- 2008	Noforum	Colloquium (Mandatory)	Undergraduate course Landscape Architecture Faculty of Architecture and Town Planning, Technion	26
2007- 2012	Planning and Management of Environmental Policy	Seminar	Graduate course Faculty of Architecture and Town Planning, Technion	16-24
2008 - 2013	Environmental Planning	Lecture (Mandatory)	Graduate course Department of Geography and Environmental Studies University of Haifa	30-40
2010 - 2012	Environmental Impact assessment	Seminar	Graduate course Faculty of Architecture and Town Planning, Technion	20
2011	Implementation of Agenda 21 in Local Authorities	Seminar	Graduate course Faculty of Architecture and Town Planning, Technion	20
2011	Sustainable Tourism	Lecture	Graduate course Faculty of Architecture and Town Planning, Technion	20

<b>Year</b>	<b>Title 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>
*2013 - 2014	Environmental Policy and Management	Lecture	Department of Environmental Sciences Faculty of Science Tel Hai College	35
* 2012-present	Environmental Policy Design	Seminar	Graduate course Natural Resource and Environmental Management Department Faculty of Management University of Haifa	30
* 2013 - present	Environmental Impact assessment	Seminar	Graduate course Natural Resource and Environmental Management Department Faculty of Management University of Haifa	10
* 2012 - present	Research Forum (14 months)	Guided projects	Natural Resource and Environmental Management Department Faculty of Management University of Haifa	30
* 2014-present	Environmental Impact assessment	Seminar	Graduate course Global Green MBA Faculty of Management University of Haifa	
* 2014 - present	Local Sustainability	Tutorial	Graduate course Natural Resource and Environmental Management Department Faculty of Management University of Haifa	
* 2015 (forthcoming)	Applying Sustainability at the Local Government	Seminar	Graduate course Natural Resource and Environmental Management Department Faculty of Management University of Haifa	
* 2015 (forthcoming)	Ecology of the built environment	Seminar	Graduate course Natural Resource and Environmental Management Department Faculty of Management University of Haifa	
* Submitted to Council of Higher Education. Pending	The challenge of sustainability Co. Instructors: Prof. Ofira Ayalon Prof. Avraham Haim Dr. Tzipi Eshet	Online course	University of Haifa	

**b. Supervision of Graduate Students' Theses and Dissertations**

<b>Name of Student</b>	<b>Title of Thesis</b>	<b>Degree</b>	<b>Date of Completion / in Progress</b>	<b>Students' Achievements</b>
<b>Gecht, Noa</b> Faculty of Architecture and Town Planning,	Characterizing the attitudes of the Israeli public towards nature and	M.Sc.	2006	Won faculty award for outstanding M.Sc. Thesis for 2006

Name of Student	Title of Thesis	Degree	Date of Completion / in Progress	Students' Achievements
Technion	nature conservation			
<b>Genkin, Meirav</b> Faculty of Architecture and Town Planning, Technion	Environmental impact assessment in Israel: The involvement of environmental nongovernmental organizations	M.Sc.	2008	Won Best M.Sc. Thesis for 2008 award from the Association for Environmental Planning in Israel. Won faculty award for outstanding M.Sc Thesis in 2008
<b>Margalit, Orna</b> Faculty of Architecture and Town Planning, Technion	Integrating environmental principles in national and regional planning schemes in Israel	M.Sc.	2008	Won Best M.Sc. Thesis for 2009 award from the Association for Environmental Planning in Israel. Won faculty award for excellence for outstanding M.Sc Thesis for 2009
<b>Eilam, Efrat</b> Faculty of Architecture and Town Planning, Technion	Sustainability school programs' impact on communities' acquisition of sustainability literacy	Ph.D.	2010	Won faculty award for Best Ph.D. Thesis in 2010. 5 article published, 2 articles accepted; Tenure track position from May 2011 at Victoria University, Melbourne Australia
* <b>Rosenfeld, Yael</b> Department of Natural Resources & Environmental Management, Faculty of Management, University of Haifa	Planning the interface between Haifa's natural valleys and the residential neighborhoods	M.Sc.	2013 Co-supervisor: Prof. Avraham Haim	
* <b>Shalem, Liav</b> The Porter School of Environmental Studies Tel Aviv University	Ecological Restoration of unexploited agricultural land	M.Sc.	2013 Co-supervisors: Prof. Avital Gasit, Dr. Yuval Sapir	
* <b>Choresch, Yael</b> Department of Natural Resources & Environmental Management, Faculty of Management, University of Haifa	Behavioral, demographic and physiological aspects of a critically declining population – The case of the Griffon Vulture Gyps fulvus in Israel	Ph.D.	In progress. Research proposal submitted Co-supervisors: Prof. Ido Izchaki, Dr. Dan Malkinson	

c. **Supervision of Graduate Students' Final Projects**

Name of Students	Title of Project	Date of Completion
Volf, B., G. Ofeq, I. Shay, and E. Imbar	Groundwater pollution from trimmed branches.	2001
Ben-Zvi, R., Y. Meir, M. Mansur, and I. Perl	Willingness to pay for recreational activities in the Kishon Park.	2001
Nisim, S., S. Dadon, O. Refaeli, and S. Shtokelman	Visual preferences of visitors of Hula Flooding project.	2002
Yaakovi, Y. and R. Har-Lavan	Factors influencing the development of iron recycling in Israel	2002
Paor. A., M. Hagagra, and S. Bisan	Alternatives for intensive livestock aarming in	2002



Name of Students	Title of Project	Date of Completion
	Arabic settlements	
Rotner, H., Raz, N. and Zur, S	Middle out approach for behavior change: The impact of middle actors' intervention at the community level on reducing households' electricity usage.	2013
Soker, I., Egozi, O. and Kipnis, E	Environmental Justice: Examining the correlation between the location of fossil power plants and the socio-economic index of nearby settlements.	2013
Kalif, E., D. Maninger and R. Harel	Quarries restoration policy in Israel: Vered quarry as a case study.	2013
Eliad Y, C. Veis, and N. Langa	Residents' motives for waste recycling as inputs for recycling centers planning.	2014
Ramot, K., H. Maayan-Salomon, and G. Dumnovitch	Influence of social marketing on sustainable behavior of a community; Case Study: Communal Sustainability Project in Maalot – Tarshicha	2014
Rabin, E. and S. Bar-Ilan	Implementing environmental policy in Israel Defense Forces.	2014

# PUBLICATIONS

**Note: For joint publications, the authors have contributed equally unless otherwise specified.**

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

**Trop, T.** 2002. *Nature conservation policy in Israel: Formulation process, trends, and future directions*. 397 p. Haifa: Technion, Faculty of Architecture and Town Planning. Supervisor: Prof. Shaul Amir. (In Hebrew).

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

### **Authored Books – Published**

Eilam, E. and **T. Trop**. 2011. *Evaluating the influence of environmental schools on their communities: A framework for evaluation within complex systems*. Saarbrücken, Germany: Lambert Academic Publishing. (391 p.)

## **C. Articles in Refereed Journals**

### **Published**

1. Amir, S., A. Frenkel, H. Law-Yon, D. Shefer, and **T. Trop**. 1997. Integration of Environmental Assessment into the Regional Development Planning Process of the Galilee. *Journal of Environmental Management* 21(1): 59-68. 5-year IF 3.85. ✓
2. Eilam, E. and **T. Trop**. 2011. ESD pedagogy - a guide for the perplexed. *The Journal of Environmental Education*. 42(1): 43-64. 5-year IF 1.688. ✓
3. Eilam, E. and **T. Trop**. 2011. A strategy for implementing sustainability education in schools. *Kivunim Academim*. (in Hebrew). <http://www.mofet.macam.ac.il/ktiva/kivunim/article27/Pages/default.aspx>. (37 p.). Refereed Journal; IF is not calculated for this Journal.
4. Eilam, E. and **T. Trop**. 2011. Methodology for evaluating the influence of school's sustainability education programs on their communities. *Learning and Teaching* 4(2): 37-64.
5. \* Eilam, E. and **T. Trop**. 2012. Factors influencing adults' environmental attitudes and behaviors and the role of environmental schools in influencing their communities. *Education and Urban Society*, published online. (30 p.). 2013 IF 0.365. ✓
6. \* Eilam, E. and **T. Trop**. 2012. Environmental attitudes and environmental behavior – Which is the horse and which is the cart? *Sustainability* 2012(4): 2210-2246. 2013 IF 1.077. Open access journal. ✓
7. \*Eilam, E. and **T. Trop**. 2013. Evaluating school-community mutual participation in developing local sustainability agenda. *International Journal of Environmental & Science Education (IJESE)*, 8(2). 5-year IF 1.72

### Accepted for Publication

8. \* **Trop, T.** Spatial approaches to nature conservation: Theory and practice. *Journal of Environmental Management*. (26p). 5-year IF 3.85. ✓
9. \* **Trop, T.** Can ecosystem management in Israel survive infancy? *Local Environment: The International Journal of Justice and Sustainability*. (24 p.). Cites per Doc (2 years) 2013 1.342. The two years Cites per Doc is equivalent to journal impact factor™ (Thomson Reuters) metric.

### **D. Articles or Chapters in Scientific Books** **(which are not Conference Proceedings)**

#### Published

#### Chapters in Text Books (Refereed)

1. **Trop, T.** 2011. Introduction to spatial development and planning. *The spatial development and planning: Geography and environmental development textbook for high schools*. Tel Aviv: CET – The Center for Educational Technology, The Ministry of Education. (In Hebrew).
2. **Trop, T.** 2011. The urbanization process in the world. *The spatial development and planning: Geography and environmental development textbook for high schools*. Tel Aviv: CET – The Center for Educational Technology, The Ministry of Education. (In Hebrew).
3. **Trop, T.** 2011. The policy of development and planning of rural regions. *The spatial development and planning: Geography and environmental development textbook for high schools*. Tel Aviv: CET – The Center for Educational Technology, The Ministry of Education. (In Hebrew).
4. **Trop, T.** 2011. Sustainable development processes. *The spatial development and planning: Geography and environmental development textbook for high schools*. Tel Aviv: CET – The Center for Educational Technology, The Ministry of Education. (In Hebrew).

### **E. Articles in Conference Proceedings**

#### Published

1. Amir, S. and **T. Trop**. 1998. A Tool for Implementation of Landscape Conservation Policy in Israel. In: Richling, A., J. Lechnio and E. Malinowska (eds.) *Landscape Transformation in Europe: Practical and Theoretical Aspects*. The Problems of Landscape Ecology 3:321-330. Poland: IALE and Warsaw University Press.
2. **Trop T.** and S. Amir. 1999. A Model for Environmental Policy Research. In: Kovar, P. (ed.) *Nature and Culture in Landscape Ecology: Experiences for the 3<sup>rd</sup> Millenium*, 367-377. Prague, Czech Republic: CZ-IALE and Karolinum Press.
3. **Trop T.** 2003. Principal approaches to nature conservation: Lessons from international experience. In: *Landscape Planning in the Era of Globalization*. Slovenia: University of Ljubljana.

## **F. Other Scientific Publications**

### **Published**

1. \* Ayalon, O., H. Kutiel, N. Kleot, M. Green, M. Sterenberg, G. Capeluto, **T. Trop**, A. Soffer, M. Sechter, and Z. Eshet. 2014. Adaptation to Climate Change in Israel. *Israel Environmental Bulletin* 40:14-19. Israel Ministry of Environmental Protection/

### **Planning Guides**

1. \* **Trop, T.** and G. Sarig. 2012. *A guide for planning public parks, according to settlement type, population sector, climatic region, and topographic zone*. Jerusalem: Ministry of Construction and Housing, Ministry of Environmental Protection, Ministry of Agriculture and Rural Development. 3 Volumes, 362 Pages. (In Hebrew, Translation to English is in progress). *Won first prize for 'Best Research Work' from the Israeli Association of Landscape Architects.*

### **Research Reports**

1. Amir, S. and **T. Trop**. 1991. *Environmental Management in Israel: A Survey Report*. Prepared for UNEP - Mediterranean Action Plan. Haifa: Technion. 48 Pages. (In English).
2. **Trop, T.** and D. Czamanski. 1993. *Estimating Willingness to Pay for the Use of Roads*. Haifa: Technion, Center for Urban and Regional Studies. 196 Pages. (In Hebrew).
3. Mazor, A. and **T. Trop**. (eds.). 1994. Spatial Alternatives for Israel in the 21<sup>st</sup> Century. "Israel 2020" - *Master Plan for Israel in the 21<sup>st</sup> Century*. Stage 2, Report 21. Haifa: Technion. 125 Pages. (In Hebrew).
4. **Trop, T.** (ed.). 1995. "Israel 2020" - *Master Plan for Israel in the 21<sup>st</sup> Century*. Stage 2, 8 reports, 762 Pages. Haifa: Technion. (In Hebrew).
5. Mazor, A., **T. Trop** and Y. Bargur. 1996. Israel in the Path of the Developed Countries. Macro Scenarios for "Israel 2020". "Israel 2020" - *Master Plan for Israel in the 21<sup>st</sup> Century*. Haifa: Technion. 89 Pages. (In Hebrew).

### **Chapters in Research Reports (In Hebrew)**

1. Carmon, N. and **T. Trop**. 1993. Well-being and Distress in the Israeli Society: Trends and Planning Implications. In: A Socially Focused Alternative. "Israel 2020" - *Master Plan for Israel in the 21<sup>st</sup> Century*. Stage 2, Report 9. Haifa: Technion. 40 Pages.
2. **Trop, T.** and Carmon, N. 1996. Population, Education, and Man-Power in Israel in the 21<sup>st</sup> Century: Trends and Forecasts. In: The Range of Options: A Socially Focused Alternative, Pp 17-62. "Israel 2020" - *Master Plan for Israel in the 21<sup>st</sup> Century*. Haifa: Technion.
3. \* **Trop, T.** 2013. Local authorities' adaptation to climate change in the area of urban planning and development. In: O. Ayalon, H. Kutiel, O. Karo, N. Kleot, M. Green, M. Sterenberg, K. Golodiaz, T. Trop, Z. Eshet. *Local authorities' adaptation to climate change*. ICCIC - Israel Climate Change Information Center. Haifa: University of Haifa. 25 Pages.

### Plans and Planning Reports (In Hebrew)

1. Shefer, D., S. Amir, H. Law-Yone, A. Frenkel and **T. Trop**. 1992. *Master Plan and Development Plan for the Northern District*. Haifa: Technion, Center for Urban and Regional Studies.
2. Shefer, D., A. Frenkel, and **T. Trop**. 1993. *Master Plan for Carmiel: Economic and Social Planning*. Haifa: Technion, Center for Urban and Regional Studies. 51 Pages.
3. **Trop, T.** 1997. *Har Shokef National Park and Forest, Local-District Plan no. 1209*. Haifa District. National Parks Authority.
4. **Trop, T.** and D. Bar-Kama. 1998. *Nachsholim Resort and Hof-Dor National Park, Local Plan no. 191/a*. Hof-Carmel. National Parks Authority.
5. **Trop, T.** 1999. *A Collaboration Plan for Gilon and Zurit*. Misgav Regional Council, Unit for Strategic Planning. 37 Pages.
6. Frenkel, A., **T. Trop**, D. Shefer, S. Miron-Pistiner, and T. Alfandari. 1999. *Master Plan and Development Plan for Upper-Galilee Regional Council*. Haifa: Technion, Center for Urban and Regional Studies and Upper-Galilee Regional Council. 3 Volumes, 842 Pages.
7. **Trop, T.** 2009. Environmental impacts of underground construction. In: Fitelson et al. *National Planning Scheme for Defense and Development of the Underground Space (no. 40)*.
8. \* **Trop, T.** 2014. Environmental impacts of seawater desalination plants. In: Fitelson et al. *National Planning Scheme for Seawater Desalination Facilities (no. 34/b/2)*.

### Professional Case Reports

1. **Trop, T.** 1994. *Carmel Toll Tunnels: Feasibility Study*. (The name of the private company is privileged). 32 Pages. (In Hebrew).
2. **Trop, T.** 1996. *Development pressures of Osofia and Daliat El-Carmel: Trends, Forecasts and Policy Suggestions*. Prepared for National Parks Authority. 7 Pages. (A full page article in "HaareZ" Newspaper, 14.4.1996). (In Hebrew).
3. **Trop, T.** 1996. "Lev Hacarmel": *A Framework for Long-Term Planning of the Bordering Areas of Carmel National Park with Osofia and Daliat El-Carmel*. Prepared for National Parks Authority. 9 Pages. (In Hebrew).
4. **Trop, T.** 1999. *Plan Design and Evaluation Workshop for Yokneam – Megiddo – St. Louis – Atlanta "Keshet" Sub-Committee of "Partnership 2000" Project: A Summarizing Report*. The Jewish Agency for Israel, The Israel Department. 22 Pages. (In Hebrew and in English).
5. **Trop, T.** 1999. *Plan Evaluation Workshop for Yokneam – Megiddo – St. Louis – Atlanta Education and Community Sub-Committee of "Partnership 2000" Project: A Summarizing Report*. The Jewish Agency for Israel, The Israel Department. 21 Pages. (In Hebrew and in English).
6. **Trop, T.** 2000. *Plan Evaluation Workshop for Sovev-Kinnert – Minneapolis – St. Paul – Milwaukee – Tolsa "Keshet" Education and Community Sub-Committee of "Partnership 2000" Project: A Summarizing Report*. The Jewish Agency for Israel, The Israel Department. 29 Pages. (In Hebrew and in English).
7. **Trop, T.** 2001. *Plan Evaluation Workshop for Beit-Shemesh – Adolam – Washington – South Africa Education and Community Sub-Committee of "Partnership 2000" Project: A Summarizing Report*. The Jewish Agency for Israel, The Israel Department. 16 Pages. (In Hebrew and in English).

8. **Trop, T.** 2001. *A Model for Policy and Plans Evaluation of "Partnership 2000" Project.* The Jewish Agency for Israel, the Israel Department. 8 Pages. (In Hebrew and in English).
9. **Trop, T.** 2002. *Plan Evaluation Workshop for Kiryat-Gat – Lachish – Shafir – Chicago Education and Community Sub-Committee of "Partnership 2000" Project: A Summarizing Report.* The Jewish Agency for Israel, The Israel Department. 20 Pages. (In Hebrew and in English).
10. **Trop, T.** 2003. *Plan Evaluation Workshop for Kiryat-Malaachi – Hof Ashkelon – West Coast Communities Association Education and Community Sub-Committee of "Partnership 2000" Project: A Summarizing Report.* The Jewish Agency for Israel, The Israel Department. 22 Pages. (In Hebrew and in English).
11. **Trop, T.** 2004. *Evaluation of Community Leadership Plan in Yokneam – Megiddo.* The Jewish Agency for Israel, The Israel Department, "Partnership 2000" Project. 68 Pages. (In Hebrew and in English).
12. **Trop, T.** 2004. *Evaluation of DOLEV Plan in Yokneam – Megiddo.* The Jewish Agency for Israel, The Israel Department, "Partnership 2000" Project. 70 Pages. (In Hebrew and in English).
13. **Trop, T.** 2005. *A Skeletal Format for Partnership 2000 Programs Evaluation.* The Jewish Agency for Israel, The Israel Department, "Partnership 2000" Project. 10 Pages. (In Hebrew and in English).
14. **Trop, T.** 2005. *A Standard Format for Partnership 2000 Project Cards.* The Jewish Agency for Israel, The Israel Department, "Partnership 2000" Project. 8 Pages. (In Hebrew and in English).
15. **Trop, T.** 2006. *Evaluation of "Education Bridge" Project in "Surrounding Kinneret" - Milwaukee, St. Paul & Tulsa, Partnership 2000 Region.* The Jewish Agency for Israel, The Israel Department, "Partnership 2000" Project. 87 Pages. (In Hebrew and in English).
16. **Trop, T.** 2007. *Evaluation of "Partnership 2000 Delegations Projects.* The Jewish Agency for Israel, The Israel Department, "Partnership 2000" Project. (In Hebrew and in English).
17. **Trop, T.** 2008. *Evaluation of "Shukran" project in Acre.* The Jewish Agency for Israel, The Israel Department, "Partnership 2000" Project. (In Hebrew and in English).
18. **Trop, T.** 2009. *Environmental Impact of Recycling Center in Nofit. Nofit Residents' Committee.*(In Hebrew).
19. **Trop, T.** 2009. *Environmental Impact of "Omanut (Mivtachim) Hotel" in Zichron Yaakov. Zichron Yaakov's Residents' Committee.* (In Hebrew).
20. **Trop, T.** 2010. *Guidelines for development of celebration gardens in Haifa District: Policy paper.* Haifa District Planning Bureau. (In Hebrew).
21. **Trop, T.** 2010. *Green building in Haifa District: Policy paper.* Haifa District Planning Bureau. (In Hebrew).
22. **Trop, T.** 2011. *Guidelines for spatial planning of photovoltaic panels in Haifa District: Policy paper.* Haifa District Planning Bureau.
23. \* **Trop, T.** 2014. *Guidelines for construction of small gas power plants in Haifa District: Policy paper.* Haifa District Planning Bureau.

## **G. Other Publications**

1. **Trop, T.** 1997. *Osafia and Daliat-El-Carmel's illegal building within the Hacarmel National Park area. Haarez.* (In Hebrew).

2. **Trop, T.** 6.8. 2009. Beit Mivtachim: That's the way it happened. *Haarez*. (In Hebrew).
3. **Trop, T.** 28.7.2009. The Carmel Ridge is in danger. *Gefen*. (In Hebrew).
4. **Trop, T.** 28.3.2013. Are there enough public gardens in Israel in 2013? *Globes*. (In Hebrew).
5. **Trop, T.** 18.5.2013. Ultra-orthodox Jews and Arabs need less public gardens in the city. *Haarez*. (In Hebrew).

## **H. Submitted Publications**

### **Submitted Articles**

1. **Eilam, E., Z. Mevarech, T. Trop, D. Doron, N. Valanides, M. Zion, A. Vavouraki.** *Measuring students' level of performance of complete scientific inquiries and its' relation to meta-cognitive skills*. Submitted to *The Journal of Environmental Education* (22 p.). 2010 IF 0.316.

## **I. Summary of my Activities and Future Plans**

### **Research Interests and Specialties**

Environmental Policy; Sustainable Development; Planning and Management of Natural Resources; Urban Sustainability; Environmental Impact Assessment; Health Impact Assessment; Environmental Education; Environmental Justice; Open Spaces; Nature Conservation; Landscape Ecology; Development of Underground space; Non-Governmental Organizations; Regional Planning and Development; Public Policy Analysis and Evaluation.

### **Articles in Preparation**

1. **Trop, T.** and M. Genkin. The Involvement of Environmental Nongovernmental Organizations in Environmental Impact Assessment procedure in Israel.
2. **Trop, T.** and N. Gecht. Attitudes toward Nature in the Israeli Public.
3. **Trop T** and O. Margalit, O. Integrating Environmental Principles in National and Regional Planning Schemes in Israel.
4. **Trop, T.** A System perspective on developments in nature conservation policy: Israel as a case study.
5. **Trop, T.** The Transformation of the Israeli Policy for Nature Conservation: Exploitation of Policy Windows.
6. **Trop, T.** The Goals of Nature Conservation in Israel.
7. **Trop, T.** Nature and the City: Israeli Urban Habitat.

### **Books in Preparation**

**Trop, T.** *The development of JNF's Forestation Policy Since the 1960's*. Jerusalem: Jewish National Fund.

### **Continuing Education**

<b>Date</b>	<b>Topic</b>
2008	Sustainable development
2010	Health impact Assessment