

**CURRICULUM VITAE AND LIST OF PUBLICATIONS****Details:**

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 Tel Aviv University, PO Box 39040  
 Ramat Aviv, Tel Aviv, ISRAEL, 69978.  
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 Citizenship: U.S. / Israel

**Education**

B.A (1978-80) University of North Carolina, Chapel Hill, N.C. Phi Beta Kappa, Phi Eta Sigma, Major: Political Science, Minor: Economics  
 Ll. B (1982-85) Hebrew University Law Faculty, Jerusalem, Israel Major Focus: Criminal and International Law  
 M.Sc. (1986-87) Harvard University School of Public Health, Boston, MA Environmental Health Policy  
 M.Sc. Thesis: *Evaluating the Implementation of the Ambient Air Quality Standard for Ozone.*  
 Sc.D. (1987-89) Harvard University School Of Public Health, Boston, MA Environmental Health Policy.  
 Doctoral Thesis: *Preventing Agricultural Pollution: An Evaluation of State Programs,*

**Academic Affiliations:**

2017-2021 Professor, Tel Aviv University, Department of Public Policy (Chair, 2017-2020).  
 2018 Visiting Professor in International Environmental Conflict, Science Po, Lille, France  
 2015-2021 Visiting Professor, James Madison College in Environmental law, Michigan State University  
 2011, 2013 Visiting Professor, Center for Conservation Biology, Stanford University, California.  
 2009, 2011,2016 Visiting Professor, Otago University School of Law, in Climate Change Law, Dunedin, New Zealand.  
 2015 Visiting Professor, School of Environment and Natural Resources Renmin University, Beijing China  
 2008-2016 Albert Katz International School for Desert Studies, Ben-Gurion University of the Negev, Chair, Teaching Committee, Environmental Studies Track (2008-2011).  
 1991-2005 Tel Aviv University, Faculty of Law, Adjunct Lecturer in Environmental Law.  
 2000-2003 Hebrew University, Geography Department, Adjunct Lecturer in Environmental Politics and Policy.  
 1998 Otago University, Faculty of Law, Dunedin, New Zealand, Visiting Scholar.  
 1989-1997 Harvard University, School of Public Health, Boston MA. Adjunct Lecturer in Environmental Health Policy.  
 1990-1994 Ben Gurion University of the Negev. Adjunct Lecturer in Environmental Law and Policy .  
 1985-1986 Lecturer, Jerusalem Institute, Courses in Israeli Law and Mid-East history to international students.

**Public functions outside universities/institutions**

2018 Chair, International Conference on Innovations in Conflict Resolution and Mediation, Tel Aviv.  
 2016 Chair, Iconic Lakes Symposium: Lake Kinneret and Lake Michigan, East Lansing Michigan.  
 2005-2008 Member of Modi'in City Council Environment Committee (Public representative).  
 1992-2000 Harvard University Center for Risk Analysis -- Advisory Board Member  
 2000-2020 Econet Israel, Public Organization and Philanthropy, Chairman.  
 1994-1998 Eilat Regional Council, Elected District Representative.  
 1993-1997 Israel's Green Seal, Eco Consumer Program -- Public interest representative  
 1990-2018 Israel Bar Association, Member Environmental Committee (1994-97).  
 1998 U.S. EPA Member of the Office of Water's National Nonpoint Source Five Year Agenda Task Force.  
 1997-1998 Natural Resources Defense Council, Member of Nonpoint Source Publications Advisory Board.

**Relevant Professional Employment and Positions**

2021 Member of Knesset, Israel's parliament, Blue & White Party (on unpaid leave from Tel Aviv University)  
 2017-2020 Chair, Department of Public Policy, Tel Aviv, University

2020–2021 Scientific Advisor, Israel State Comptroller, Special Report on Israeli Government Response to the Climate Crisis.

2015-2020 Co-Chair, *This is My Earth*, New York-based, conservation organization, that uses crowd sourcing for purchase and preservation of biodiversity hotspots along with associated educational programs.

2016-2021 Chair, *Zafuf, The Forum for Population, Environmental And Society*, sustainability public interest group.

2020-2021 Deputy Chair, KKL-JNF, Public Corporation Responsible for Forestry and Land Reclamation in Israel.

2004-2016 Chair, KKL, Committee for Land Development, overseeing forestry policy.

2008-2014 Chair Green Movement, Israel Green Party, 2011-2014, Deputy Chair, 2008-11.

2004-2010 Member of Israeli delegation to the UN Convention to Combat Desertification (delegation head, 2008).

2005-2016 Associate Professor, Ben Gurion University of the Negev, Mitrani Department of Desert Ecology, Head of Environmental Studies Graduate Track, (2008-2011).

2006-2014 Chair, Drylands, Deserts and Desertification International Conference run jointly with UN Convention to Combat Desertification, for 500 participants from 60 countries.

2000 – 2007 Consultant to Director of the Ministry of Environment, Jerusalem on Environmental Enforcement.

1996-2004 Founding Director Arava Institute for Environmental Studies, Kibbutz Ketura, program for Middle Eastern and international university students with focus on regional environmental issues.

1995 -2021 Founding Board Member of Ecopeace Middle East, Regional NGO working to promote sustainable cooperation and conservation between Jordanians, Palestinians and Israelis.

1991-1998 Founding Director/ Chair Adam Teva V'din, Israel Union Environmental Defense, Tel Aviv, oversaw litigation, lobbying, public affairs, administration, of public interest science and law organization .

1990- Legal Staff, Yael Solel law offices, Eilat, Israel. Private practice including tort, contract and criminal law.

1987-1989 Program Analyst, U.S. EPA, Policy Office, Washington, D.C. Consultant to U.S. government in policy analysis about permit usage in trading systems, evaluation of state agricultural programs.

1987-1989 Research Associate, Harvard School Of Public Health Principal Researcher in review of Nitrate Drinking Water Standards and Report for Congressional Research Service on Waste Incineration.

1987 Director, Camp Tel Yehudah-Bet, Barryville, NV. Administer program staff and campers in educational summer camp for 250 high school youth.

1985-1986 Assistant, Office of Attorney General, Jerusalem Israel. Research, preparation of criminal prosecution files, participation in policy meetings and legal opinions involving administrative law and constitutional issues.

1983-1985 Legal Aid, Israel Environmental Protection Service. research for legislation and review of by-laws.

(c) Editor or member of editorial board of scientific or professional journal

2007-2009. Guest Editor, *Journal of Land Degradation and Development, Special Issue*,

2013 Guest Editor, *Journal of Arid Lands Environment, Special Issue*.

2017-2018 Guest Editor, *Sustainability, Special Issue on Sustainable Agriculture*.

2019-2020 Guest Editor, *Water, Special Issue on Water and Climate Change*

Review of Articles for *Environmental Politics, Journal of Environmental Management, Environmental Science and Technology, Ecology and Environment, Jerusalem Institute, Review of Policy Research, Israel Journal of Foreign Affairs, Desalination, Sustainability, Risk Analysis, Environmental Science and Technology*,

(e) Membership in professional organizations.

1991-2008 Life and Environment, Umbrella Organization for Israeli Environmental NGOs, Board Member, Chairman (1999-2004).

1990-2020 Israel Bar Association.

1992-2020 Israel Association of Ecology and Environmental Sciences

1994-2004 IUCN, International Union for Conservation of Nature, Legal Committee --Israeli Representative.

## **Awards, and Fellowships**

- 2019 *Arava Award*, for Contribution to Regional Cooperation and the Environment
- 2017 *Im Tirtzu Prize* by Young Judaea for Outstanding International Leadership
- 2016 Haiken Prize, Best Original Israeli Book on Geostrategic Topics (*The Land is Full*)
- 2011 Oxford University, Kennedy Leigh Fellowship (declined)
- 2011 Prize, best article in the field of international water management by the *International Journal of River Basin Management* Competition.
- 2008 Israel Ministry of Environment, Life Achievement Award for Contribution to Environmental Protection in honor of Israel's Sixtieth Independence Anniversary.
- 2006 Haim Shiva Award for Outstanding Academic Research, Ben Gurion Fund.
- 2006 Charles Bronfman Humanitarian Award for Young Leadership, 2006.
- 1999 Jewish National Fund (KKL) Lewis Award for Forestry Research, 1999.
- 1997 Henry Ford European Conservation Award.
- 1989 Harvard University, Willensky Award for Outstanding Research among Graduate Students in Health Policy.
- 1987-89 U.S. Environmental Protection Agency, Network for Environmental Management Studies Four Time Fellowship Recipient.
- 1987-89 Monsanto Agricultural Company, Graduate Student Award for Conducting Policy Research.
- 1980 Phi Beta Kappa, Phi Eta Sigma.

## **Media Recognition**

- 2020 Selected as one of 5 environmental heroes in Israel, ICE news site.
- 2012 Selected by *The Marker*, Israel's National Economic Magazine, "100 Influential Israelis" list.
- 2010 Selected "Top Ten Israeli Environmentalists", Israel 21C.
- 2007 *HaAretz*, Israeli Daily Newspaper, Recognized as "Leading Israeli Environmentalist".

## **Educational Activities**

### **(a) Courses taught:**

1. Capstone Course, Supporting Public Policies of Central Government, Tel Aviv University. 2018-2021
2. Introduction to Environmental Policy and Law in Israel, Tel Aviv University. 2017-2021; Ben Gurion University, 2005-2016.
3. Environment and Conflict, Tel Aviv University, 2018-2020.
4. Demography and Sustainability, Michigan State University, 2015-2019.
5. International Environmental Law, Michigan State University, 2015; 2016; 2017.
6. Lessons in Ecological Restoration from the Middle East, Stanford University, Biology Department, 2013
7. Desertification and Public Policy, Ben Gurion University. 2005-2016.
8. Issues in Environmental Justice in Israel's Arab Sector, Department of Geography, Ben Gurion University, 2010.
9. Climate change and the law, the University of Otago, Law Faculty Dunedin, New Zealand, 2008, 2011, 2016,
10. Seminar in Environmental Research, Graduate, Ben Gurion University. 2005-2012.
11. Climate Change: Science and Policy, Department of Geography, Ben Gurion University. 2008.
12. International Environmental Law, the University of Otago, Faculty of Law, New Zealand 2004.
13. Introduction to Environmental Policy, Arava Institute for Environmental Studies. 1996-2004;
14. Sustainable Development in an Arid Environment- Arava Institute for Environmental Studies. 1996-2004.
15. Introduction to Environmental Law- Tel Aviv University, 1990-2005.
16. Advanced Environmental Law, Tel Aviv University. 1990-2005.
17. Environmental Politics, graduate course, Hebrew University, 2000-2003.
18. Water Management and Policy in the Middle East, Arava Institute, 1996-2004.
19. History of Environment in Israel, Arava Institute for Environmental Studies 2003.
- 20.

(b) Research students:

M.A / M.Sc. Students

1. 1998-2000. M.A. Dorit Talitman, (jointly with Dr. Shmuel Brenner) "*Enforcement of Marine Pollution Prevention Legislation: A Quantitative Assessment of the Israeli Experience*" Tel Aviv University..
2. 1999-2001. M.A. Irit Sappir Gildor, (jointly with Dr. Avi Gottlieb) "*Evaluating Visitors Attitudes Towards KKL Forests in Israel*", Tel Aviv University.
3. 2000-2002. M.A. Michael Feuer, (jointly with Dr. Atilla Klein) "*Evaluating Effectiveness of Reservoir Policies in Israel*", Brandeis University.
4. 2001-2003. L.I.M. Orr Karassin, (jointly with Dr. Shmuel Brenner) "*Restoring Contaminated Lands, a Legal Analysis*" Tel Aviv University Law School.
5. 2002-2004. M.A. Florencia Bellesi (jointly with, Dr. Moshe Schwartz) "*Effect of ISO 24001 Environmental Certification on Exports*, Albert Katz International School for Desert Studies, Ben-Gurion University.
6. 2004-2006, M.A. Hila Tenne, (jointly with, Prof. Avraham Haim) "*The Biological Diversity Convention – Does the State of Israel Comply with the Treaty on Which It Has Signed?*" Haifa University, School of Natural Resources.
7. 2004-2006. M.Sc. Ronit Justo-Hananin (jointly with, Prof. Tamar Dayan) "*Invasive Species in Israel's Terrestrial and Marine Environment – Ecological, Policy and Legal Aspects*") Tel Aviv University, Department of Zoology.
8. 2004-2006. M.A. Noam Segel, The Debate on Globalization and the Environment: What Can We Learn From the Textile Industry in Israel? Haifa University, School of Natural Resources, Albert Katz International School for Desert Studies, Ben-Gurion University.
9. 2003-2006. M.A. Dana Rassas, (jointly with Moshe Schwartz) "*Stakeholders' Perspectives on the Feasibility of Seawater Desalination as a Solution to Water Scarcity in Israel: Economic and Environmental Ramifications of Using Desalinated Water in Agriculture in Israel.*" Albert Katz International School for Desert Studies, Ben-Gurion University.
11. 2004-2006. M.Sc. Hila Ackerman, "*Water Quality Considerations in Israeli Stream Restoration: The Alexander Stream as a Case Study*", Albert Katz International School for Desert Studies, Ben-Gurion University.
12. 2004-2007. M.Sc. Netta Nagouker, (jointly with Professor Yontan Laromme) "*Pollution fluxes from Non Point and Point Sources in the Besor River Basin.*"  
Albert Katz International School for Desert Studies, Ben-Gurion University.
13. 2005-2007. M.Sc. Zein, Nsheiwat, (jointly with Professor Matti Berkovich) "*Hot Spots of Lead Exposure in Israel and Jordan: Blood Lead Levels (BLLs) in Highly Exposed Populations.*" Albert Katz International School for Desert Studies, Ben-Gurion University.
14. 2005-2008. M.A. Zohara Efrat, "*A comparison of Particulate Matter (PM 2.5  $\mu$ m) patterns between the Eilat and Aqaba dust monitoring stations*, Albert Katz International School for Desert Studies, Ben-Gurion University.
15. 2005-2007. M.A. Vered Balan, "*Institutional Barriers for Sustainable Agriculture In the Dead Sea Region: A Comparative Analysis Between Agriculture Communities In Israel and Jordan.*" Albert Katz International School for Desert Studies, Ben-Gurion University.
16. 2005-2008. M.A. Yael, Bar-Ilan (jointly with, Dr. David Pearlmuter) "*Policy Mechanisms for Promoting Energy-efficient Building Suitability, Application and Implementation in Israel.*" Albert Katz International School for Desert Studies, Ben-Gurion University.
17. 2005-2007. M.A. Na'amah Teschner, (jointly with, Dr. Yaakov Garb) "*The National-Strategic Plan for Developing the Negev –Negev 2015: An Old Prospect or a New Future?*" Albert Katz International School for Desert Studies, Ben-Gurion University.
18. 2005-2008. M.Sc. Mousa Diabat, (jointly with Professor Eilon Adar) "*Watershed Modeling as an Assessment of Pollutant Transport from Point and Non-point Sources to Wadi Alexander.*" Albert Katz International School for Desert Studies, Ben-Gurion University.
19. 2005-2007. M.A. Marcia Fagnoli, (jointly with Moshe Schwartz) "*The Effectiveness Of The United Nations Convention To Combat Desertification In Southern Africa*", Albert Katz International School for Desert Studies, Ben-Gurion University.
20. 2005-2007. M.A. Gonen Sagy, "*Mapping Environmental Literacy in Israel's Education System and Identifying Factors that Contribute to Students' Environmental Literacy*, Albert Katz International School for Desert Studies, Ben-Gurion University.

21. 2005-2007. M.A. Liz Wuerker, "*Herd No More: Grazing Policy in Israel Since 1948.*" Albert Katz International School for Desert Studies, Ben-Gurion University.
22. 2005-2007, M.A. Maya Negev, "*Multicultural dimensions of a national environmental literacy survey.*" Albert Katz International School for Desert Studies, Ben-Gurion University.
23. 2006-2008. M.Sc.. Adam Abramson, (jointly with Professor Eilon Adar) "*Restoration of the Alexander and Besor Streams: A Cost Effectiveness Analysis*", Albert Katz International School for Desert Studies, Ben-Gurion University.
24. 2007-2009. M.Sc. Samer Eid (jointly with Dr. Shmuel Brenner), "*A Comparison of Particulate Matter (PM 2.5  $\mu$ m) Patterns Between East and West Jerusalem*", Albert Katz International School for Desert Studies, Ben-Gurion University.
25. 2007-2009. M.Sc. Ofir Kfir, (jointly with Professor Eilon Adar) "*Performance Evaluation of Wastewater Storage and Treatment Reservoirs*", Albert Katz International School for Desert Studies, Ben-Gurion University.
26. 2007-2009, M.A. Yaara Aharon, "*Contrasting Criminal and Administrative Enforcement Efforts at Israel's Ministry of Environment*", Ben Gurion University, Department of Geography.
27. 2007-2009, L.I.M.. Hadar Yudas, (jointly with Dr. David Schorr), "*Effectiveness of Administrative Enforcement of Environmental Violations*", Tel Aviv University School of Law.
28. 2007-Present, M.A. Shiri Bass Specktor (jointly with Dr. Yodan Rofeh) "*Cities and Climate Change: What is to be Gained or Lost from Reframing an Urban Sustainability Agenda in Terms of Greenhouse Gas Emission Reductions?*"
29. 2008-2011, M.Sc., Lonia Friedlander, (jointly with Dr. Naftali Lazarovich) "*Drip Irrigation Technology Transfer in Sub-Saharan Africa: Lessons and applications for global smallholder development*". Albert Katz International School for Desert Studies, Ben-Gurion University.
30. 2008-2011, M.Sc. Lucy Wamuyu, (jointly with Dr. Elli Groner) "*The Ecological Impact of Past and Future Settlement in the Negev*", The Albert Katz International School for Desert Studies, Ben-Gurion University.
31. 2008-Present, M. Sc. Omrat Lihod, "*Biodiversity effects of individual Farms in Israel*", The Albert Katz International School for Desert Studies, Ben-Gurion University.
32. 2009-2011, M.A. Itai Trilnick, "*Empirical Assessment of the Effect of the Waste Burial Fee on Solid Waste Activities in Israel*, The Albert Katz International School for Desert Studies, Ben-Gurion University.
33. 2009-2012, M.A. Naomi Lipstein, "*Evaluation of different international models of "Green New Deals" and their application in Israel*" The Albert Katz International
34. 2011- 2013, M.A. Inna Filkobski, "*Community gardens of Israel An Evaluation of their Characteristics and Implementation on the Community Level.*" The Albert Katz International School for Desert Studies, Ben-Gurion University.
35. 2010 - 2014, M.Sc. Shira Leon, "*Trends in Orientations and Strategies in Israel's Environmental Movement.*" The Albert Katz International School for Desert Studies, Ben-Gurion University. School for Desert Studies, Ben-Gurion University.
36. 2010 – 2013, M.Sc. Waad Nasralah, "*Utilization of International Aid for Improvement of Palestinian Water Infrastructure: A Program Evaluation*, The Albert Katz International School for Desert Studies, Ben-Gurion University.
37. 2012- 2015, Nina Gordon-Kirsch, "*Water Management in Transboundary Streams and Implications for Common treatment standards.*"\_The Albert Katz International School for Desert Studies, Ben-Gurion University.
38. 2013-2015, Wa'd Odeh, "*Evaluation of Water Quality in the Kidron and Hebron Streams*, The Albert Katz International School for Desert Studies, Ben-Gurion University.
39. 2014- 2016, Zobida Ezery, "*Sewage Management in Israel's Bedouin Sector: an Environmental Health Impact Analysis*, the Albert Katz International School for Desert Studies, Ben-Gurion University.
40. 2014- 2016, Anna Reznikovski, "*The Effect of Population Density on Violent Behavior Among Israeli Youth*, the Department of Public Policy, Tel Aviv University.
41. 2016, Olga Miarov, "*Pharmaceuticals in the environment: legislation and regulatory processes*, Porter School for the Environment, Tel Aviv University.
42. 2017-2019 Meital Mizrachi, "*Sustainable Consumption, A socio-economic evaluation.*" Tel Aviv University.
43. 2017-2019 Yaara Tzairi, "*Employee Utilization of Private Vehicles, an Assessment of Different Reimbursement Programs*, Tel Aviv, University.

44. 2018-2021 Sappir Goldwasser, *Sustainable Management of Sand Resources*, Tel Aviv University.
45. 2019-2020, Marina Lubanov, *Between the Free Market and Social Rights: Evaluation of Food Security in Israel*, Tel Aviv University, Department of Public Policy.
46. 2019-2021 Arie Kogan, *Assessment of School Programs to Promote Biodiversity*, Tel Aviv University, Public Policy Department.
47. 2019-2020. Nataly Bedenian, *Bedouin Israeli Attitudes Towards Fertility*, Tel Aviv University, Conflict Resolution Program.
48. 2021, Dror Gur, *Israel's Energy Security Strategy*, Tel Aviv University.

#### Ph.D. students

1. 2000-2004. Ph.D. Dorit Kerret, (jointly with Dr. Shmuel Brenner) *Complementary Approaches to Environmental Enforcement – an Israeli Perspective: ISO 14001 and Air Emission Standards Covenant*, Tel Aviv University Department of Geography.
2. 2007-2011. Ph.D. Gonen Sagui, (jointly with Professor Nir Orion) *"Evaluating the Effectiveness of Environmental Education Programs in Israeli Public Schools"*. The Albert Katz International School for Desert Studies, Ben-Gurion University.
3. 2007-2011. Ph.D. Maya Negev, (jointly with Dr. Nadav Davidovich and Yaakov Garb) *"Defining Environmental Literacy in a Multi-Cultural Society."* The Albert Katz International School for Desert Studies, Ben-Gurion University.
4. 2008-2012. Ph.D. Lucy Michael, *Public Perceptions of Climate Change in Israel*, The Albert Katz International School for Desert Studies, Ben-Gurion University.
5. 2008-2014, Ph.D. (jointly with Professor Eilon Adar) Adam Abramson, *Decision support for multiple use rural water development in Sub-Saharan Africa: Water and horticultural development in Simango, Zambia as a case study*, Estimated Date of Completion, The Albert Katz International School for Desert Studies, Ben-Gurion University.
6. 2009-, Michal Bitterman, Ph.D. (jointly with Professor Karl-Hendrik Robert) *Peace Parks as a Vehicle For Promoting Conflict Resolution*, The Albert Katz International School for Desert Studies, Ben-Gurion University.
7. 2012-2015, Vivian Futran, *Assessing the Risk from Endocrine Disrupting Compounds in Wastewater; Water Analysis to Improve Management, Policies, and Health in Israel*, The Albert Katz International School for Desert Studies, Ben-Gurion University.
8. 2012-2018, Pniella Dotan, Ph.D. (Jointly with Shai Arnon) *Optimizing Wastewater Treatment to Control for Endocrine Disrupting Compounds*, The Albert Katz International School for Desert Studies, Ben-Gurion University.
9. 2015- Present, Aiste Klimasauskaite, *Evaluating the 2015 Jordanian-Israeli Water Agreement*, Tel Aviv University program in conflict resolution.
10. 2016-2021, Erez Perry, *Assessing the Feasibility of Wind turbines in Israel*, Tel Aviv University, 2017-Present.
11. 2017-Present, Rachel Gould, *Public Policy and Fertility Patterns among Women Across Israeli Society*, 2017-Present.
12. 2019-present, Meital Peleg-Mizrahi, *An Evaluation of Environmental Justice and Sustainable Consumption in Local Government Programs*. Tel Aviv University, Department of Public Policy.
13. 2019-present Anna Reznikovski *Perceived versus Objective Crowding: Public Policy Implications*, Tel Aviv University, Department of Public Policy.

#### Post-Doctoral Fellows

1. 2017-2021, Ronit Justo-Hanani, *Regulatory Strategies for New Technologies and Environmental Challenges..*
2. 2018-2021 Amanda Lounsbury, *Water Quality and Policy*
3. 2019-2021. Michael Roth, *Sustainable Energy Policy*

## Scientific Publications

### (a) authored books

1. Tal, Alon *Pollution in a Promised Land – An Environmental History of Israel*, Berkeley, California, University of California Press, 2002. (546 pages).  
<http://publishing.cdlib.org/ucpressebooks/view?docId=kt6199q5jt&chunk.id=ss1.15&toc.id=&brand=ucpress>
2. Tal, Alon *Speaking of Earth: Environmental Speeches that Moved the World*, New Brunswick, NJ, Rutgers University Press, 2006. (255 pages)
3. Tal, Alon *The Environment in Israel: Natural Resources, Crises, Campaigns and Policy from the Advent of Zionism until Twenty-first Century*, (in Hebrew) B'nei Brak, HaKibbutz HaMeuhad Press, 2006. (620 pages)
4. Bar-Ilan, Yael, Pearlmutter, David, Tal, Alon, *Building Green: Policy Mechanisms for Promoting Energy Efficiency in Buildings in Israel*, The Technion, Center for Urban and Regional Studies Press, 2010. (187 pages)
5. Tal, Alon, *All the Trees of the Forest, Israel's Woodlands from the Bible to the Present*, New Haven, Connecticut, Yale University Press, 2013 (328 pages).  
Hebrew edition: B'nei Brak, Hotzaat HaKibbutz Hameuchad, 2014.
6. Tal, Alon, *The Land is Full: Addressing Overpopulation in Israel*, New Haven, Yale University Press, 2016.  
Hebrew Edition - Hotzaat HaKibbutz Hameuchad, , 2017.
7. Gulati, Ashok, Huang, Jikun, Tal, Alon, *From Food Scarcity to Surplus - Innovations in Indian, Chinese and Israeli Agriculture*, ( Springer Press, 2021).

### (b) Editorship of collective volumes

1. Tal, A. and Adleman, A. Editors, 2002, *Environmental and Policy*, Jerusalem, Jerusalem Institute for Israel Studies.
2. Tal, A., Abed- Rabbo, A. Editors, 2010, *Water Wisdom, a New Menu for Palestinian and Israeli Cooperation in Water Management*, New Brunswick, NJ, Rutgers University Press.
3. Miller, C. Orenstein, D. Tal, A. Editors, 2012, *Between Ruin to Restoration, An Environmental History of Israel*, University of Pittsburgh Press.
4. Bukchin, S., Tal, A. Khenin, D., Lindenstrauss, G., Editors, 2021, *Environment, Climate Change and National Security, A New Front for Israel*, Tel Aviv, INSS Press.

### (c) Articles in Peer Reviewed Journals

1. Rosenthal (Tal), A. 1985. Measuring Noise: Towards an Optimal Judicial Policy, *Israel Law Review*, 20, (1): 4-98.
2. Rogers, P. and Rosenthal (Tal), A. 1988. The Imperatives of Nonpoint Source Water Pollution Policy, *Journal of the Water Pollution Control Association*, 60 (11):1912-1921.
3. Rosenthal (Tal), A. 1988. USDA's Dubious Commitment to Water Quality, *Environmental Forum*, 5: 18-22.
4. Rosenthal (Tal) A. 1990. State Agricultural Pollution Regulation, A Quantitative Assessment," *Water Environment and Technology*, 2,(8): 50-58.
5. Rosenthal (Tal), A. Gray G., and Graham, J.1992. Legislating Acceptable Risk From Exposure to Toxic Chemicals, *Ecology Law Quarterly*, 19 (2): 269- 362. Reprinted in *An Environmental Law Anthology*, Fischman et. al., Ed. Cincinnati, Anderson, 1996.
6. Tal, A. 1992. On Protected Societal Values and the Criminality of Environmental Offenses, *Ha Prakit, Journal of the Israel Bar Association*, 40 (3): 413-420.
7. Tal, A. 1995. Citizen Suits to Improve Sewage Treatment, The Limitations and Potential of Legal Actions Against Polluting Municipalities, *Ecology and Environment*, 2: 151-155.
8. Tal, A. 1997. A Failure to Engage: Public Interest Activism and Environmental Health Risk Assessment, *Environmental Forum*, 14 (1): 13-21.
9. Tal, A. 1997. An Imperiled Promised Land, The Antecedents of Israel's Environmental Crises and Prospects for Change, *Journal of Developing Societies*, 13 (1):116-134.
10. Tal, A. 1997. Assessing the Environmental Movement's Attitudes Towards Risk Assessment, *Environmental Science and Technology*, 30 (10): 470-476.
11. Tal, A. 1998. Enforceable Standards to Abate Agricultural Pollution: The Potential of Regulatory Policies in the Israeli Context," *Tel Aviv University Studies in Law*, 14: 223-286.
12. Tal, A. 1998. Beyond the Rhetoric of Statistical Murder, Toward a Rational and Compassionate Environmentalist Perspective about the Ethics of Risk Assessment," *Ecosystem Health*, 4 (3):70-176.



13. Tal, A. 2000. "Quantification of Economic Benefits of Non-Complying Polluters: Potential for Integration of the BEN Model into the Israeli Penalty Framework, *Ecology and Environment*, vol. 7: 3-16.
14. Marom-Albeck, O., Tal, A. 2000. "Towards a More Effective Model of Public Interest Environmental Citizen Suits," *Israel Law Review*, 34 (3): 373-424.
15. Tal, A. 2002. *Air Pollution from Transportation*, Jerusalem Institute for Israel Studies, peer reviewed monograph in policy publication series, 1-49.
16. Talitman, D. Tal, A. Brenner, S. 2004. The Devil is in the Details: Increasing International Law's Influence on Domestic Environmental Performance--the Case of Israel and the Mediterranean Sea *New York University Environmental Law Journal*, 11 (2) 414-478.
17. Tal, A. 2004. Naturally Quiet, Towards a Legislative Strategy for Regulating Air Space Above National Parks in New Zealand, *Otago Law Review*, 10 (4):515-552.
18. Tal, A., Linkov, I. 2004. The Role of Comparative Risk Assessment in Addressing Environmental Security in the Middle East, *Risk Analysis*, 24 ( 5): 1243-1248.
19. Bellesi, F., Lehrer, D. and Tal, A. 2005. Comparative Advantage, The Impact of ISO 14001 Environmental Certification on Exports, *Environmental Science and Technology*, 39 (7): 1943-1953.
20. Tal, A. 2005. *Policy Options for Improving the Longevity and Effectiveness of Catalytic Converters in Israel*, " peer reviewed monograph, the Jerusalem Institute for Israel Studies series on environmental policy 1-60.
21. Kerret, D., Tal, A. 2005, "Greenwash or Green Gain? Predicting the Success and Evaluating the Effectiveness of Environmental Voluntary Agreements, *Pennsylvania State University Journal of Environmental Law*, 14: 31-84.
22. Tal, A. 2006. Seeking Sustainability: Israel's Evolving Water Management Strategy", *Science*, 313:1081-1084.
23. Ben-Gal, A. Tel-Tsur, N. Tal, A. 2006. The Sustainability of Arid Agriculture: Trends and Challenges, *Annals of the Arid Zone* 45(2): 1-31.
24. Tal, A. 2007. Degraded Commitments, Reviving International Efforts To Combat Desertification, *Brown Journal of International Affairs*, 13(2): 187-197.
25. Tal, A. 2007 "Natural Flow: Questions and Answers Regarding the Suitability of Israel's Water Law to a New Environmental Reality", *Legal Research*, (Bar Ilan University Law Review) 23 (2): 317-370.
26. Tal, A. 2007. To Make a Desert Bloom – The Israeli Agriculture Adventure and the Quest for Sustainability. *Agricultural History*, 81 (2): 228-258.
27. Tal, A. and Cohen, J. 2007. Adding 'Top Down' to 'Bottom Up': A New Role for Environmental Legislation in Combating Desertification, *Harvard Journal of Environmental Law*, 31(1): 163-219.
28. Tal, A. 2007. Losing Diplomatic Ground: Israel's Declining International Commitment to Combat Desertification, *The Israel Journal of Foreign Affairs*, 1 (3) 121-130.
29. Yermiyahu, U. Tal, A. Ben-Gal, A. Bar-Tal, A. Tarchisky, J. Lahav, O 2007. "Rethinking Desalinated Water Quality and Agriculture", *Science* 318: 920-921.
30. Negev, M. Sagy, G. Garb, Y., Salzberg, A., Tal, A. 2008. Evaluating the Environmental Literacy of Israeli Elementary and High School Students, *The Journal of Environmental Education* 39 (2): 3-20.
31. Tal, A. 2008. Space Matters: Historic Drivers and Turning Points in Israel's Open Space Protection Policy, *Journal of Israel Studies*, 13(1): 119-151.
32. Tal, A. 2008. Enduring Technological Optimism: Zionism's Environmental Ethic and its Influence on Israel's Environmental History, *The Journal of Environmental History* 13: 275-305.
33. Sagy, G., Negev, M., Garb, Y., Salzberg A. and Tal, A. 2008. Environmental Literacy: Trends in Environmental Education in Israel, *Studies in Natural Resources and Environmental Management* 6: 64-78.
34. Sagy, G., Negev, M., Garb, Y., Salzberg A. and Tal, A. 2008. Results of a National Survey in the Israeli Education System, *Studies in Natural Resources and Environmental Management*, . 6: 79-102.
35. Tal, A. 2009. Tried and True: Reducing Green House Gas Emissions in New Zealand through Conventional Environmental Legislative Modalities, *Otago University Law Journal*. 12: 1-47.
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6. Tal, A. 1999. The Air is Free, *Eretz V'Tevah*, September-October, 1999
7. Tal, A. 1999. Silent Spring at Forty – Assessing Rachel Carson's Legacy, *Eretz V'Tevah*, November-December, 1999.
8. Tal, A. 1999. "A Brief Environmental History of Israel," (lead article) *Hiriyah in the Museum, Artists' and Architects' Proposals for Rehabilitation of the Site*, Tel Aviv Museum of Art. Republished in *Jewish Lights*, 2000.
9. Tal, A. 2000. Green Versus Greenbacks: Should We Buy into Environmental Economics? *Eretz-Magazine*, June, 2000.
10. Tal, A. "Access to Environmental Information: The View from Israel's Public Interest Groups," *Israel Environmental Bulletin*, Winter, 2004.
11. Belessi, F., Tal, A., 2005. "Do Environmental Management Systems Pay? ISO 14001 and Competitiveness among Israeli Exporting Companies, *ISO Management Systems*, (19 pages) summer, 2005.
12. Tal, A. 2005. The Greening of the Jewish National Fund", *Tikkun Magazine*, June, 2005.
13. Tal, A. 2006. Nature... for a Price, *Jerusalem Report*, June, 2006.
14. Tal, A. 2006. Paying for Nature, *HaAretz*, July, 2006.
15. Tal, A., 2006. Stopping Desertification, *HaAretz*, December 26, 2006.
16. Tal, A. 2007. Combating Desertification – The Forgotten Environmental Commitment, *Israel Environmental Bulletin*, Spring, 2007.
17. Tal A. 2007, "The Environment", *The Lonely Planet, Israel and the Palestinian Authority*, 2007.
18. Tal, A. 2007. "Hot Times in the Holy Land: Israel and Global Warming", *Zeek Journal*, April 2007.
19. Tal, A. 2008. "The Dead Sea" in *The Lonely Planet Jordan*, (Sydney, Lonely Planet).
20. Tal, A. 2008. "An Agenda for Israel's Minister of Environment", *Shma* May, 2008.
21. Tal, A. 2008., "A Sixty Year Environmental Learning Curve" *Tikun Magazine*, May/June, 2008.
22. Tal, A. 2008, "Damage to the Dead Sea, Developers Won't Wait", *Y-Net*, June 24, 2008.
23. Tal, A. 2009, "Building a Hydrological Future", *HaAretz*, May 22, 2009.
24. Tal, A. 2009, "This Land Was Made for You and Me", *HaAretz*, July 26, 2009.\
25. Tal, A. 2009, "An Additional Coal-Fired S Plant Will Leave Israel Behind", *Y-Net*, August 10, 2009.
26. Tal, A. 2011, "Learning from a Disaster", *HaAretz*, March 17, 2011.
27. Tal, A. 2011 "The Case for a New Environmental Ethos", *HaAretz*, April 11, 2011.
28. Tal, A. 2012, "The Road to Rio Goes Through the Yitlah Valley", *NRG*, June 26, 2, 12.
29. Tal, A. 2012, "The Next Ecological Disaster", *HaAretz*, August 4, 2012.
30. Tal, A. 2012, "When Pollution Abounds, Talking to the Air", *Maariv / NRG* September 15, 2012.
31. Tal, A. "Ignoring the Perils of Offshore Gas", *HaAretz*, August, 26, 2012.
32. Tal, A. "Big Promises, Little Action on Climate
33. Change", *HaAretz*, October 5 2012.
34. Tal, A. "The Truth About the Price of Food", *HaAretz*, October 24, 2012.
35. Tal, A. "Sins of Emission in the 2013 Budget", *Times of Israel*, May, 12, 2012.
36. Tal, A., "Natural-gas Exports: A Debate Over Values, Not Numbers, *Jerusalem Post*, May 16, 2013.
37. Tal, A., "The Ministry of Finance against the Environment", *HaAretz*, June 4, 2013.
37. Tal, A., "Quarrying in Berir Fields, Superfluous and Hazardous", *The Marker*, July 29, 2013.
38. Tal, A., "Natural-gas Exports: A Debate Over Values, Not Numbers, *Jerusalem Post*, May 16, 2013.
39. Tal, A. "Overpopulation is Still the Problem," *The Huffington Post*, September 27, 2013.
40. Tal, A. Abu Maya, Y. "Gaza Need Not Be a Sewer," *New York Times*, December 3, 2013.
41. Tal, A. "New Israeli-Jordanian-Palestinian Water Agreement Will Not Prevent Shortages, *The Huffington Post*, December 15, 2013.
42. Tal, A. "2.5 Billion Reasons to Worry" *HaAretz*, June 10, 2014.
43. Tal, A. "Healing Arab Israeli Terror", *Time of Israel*, August 7, 2014.
44. Tal, A., "Israel's Fatal Attraction for the Bad Boy," *Times of Israel*, August 27, 2014.
45. Tal, A., "Trees as an Antidote to Desertification", *Asian Geographic Magazine*, December, 2014.

46. Lipsten, N. and Tal, A "Renewable-Energy Policy in Israel: Past and Present", *Jewish Energy Guide*, (New York, Jewish Council for Public Affairs, 2014), 25-34.
47. Tal, A. "The Anatomy of an Oil Spill", *Jerusalem Post Magazine*, December 12, 2014.
48. Tal, A. "Israel's Extraordinary Forests" *Jerusalem Post Magazine*, January 30, 2015.
49. Tal, A. "Renewing our Commitment to Preserving our Forests", *Times of Israel*, January 2015.
50. Tal, A. "Why Voting Green in the Zionist Congress Matters", *Times of Israel*, February 22, 2015.
51. Tal, A. "Keeping our Trails Independent", *Times of Israel* April 23, 2015.
52. Tal, A. "Our Obliteration, Read All About It," *Haaretz*, May 15, 2015.
53. Tal, A. "Finally, Something We Can Do To Save the Planet" *Times of Israel*, June 21, 2015.
54. Tal, A., "Israel's Threatened Biodiversity," *Seminar*, Shiv Nadar University Journal, September, 2015.
55. Tal, A., Karassin, O., "Israel is Privatizing Nature Preservation", *Haaretz*, September 29, 2015.
56. Tal, A. "Quietly, On the road to a Population Explosion" *Press Tel Aviv Journalist Association*, November, 25, 2015.
57. Tal, A., "Understanding Bill Clinton's Extraordinary Presidency", *Huffington Post*, July 7, 2015.
58. Tal, A., "When the Festival of Freedom Meets Earth Day", *Times of Israel*, April 2016
59. Tal, A., "Israel's Looming Demographic Crisis", *New York Times*, July 25, 2016.
60. Tal, A., "Moving from Demographic Discord to Sustainability", *Tikkun*, November, 2016.
61. Tal, A. "Racing toward disaster: Israel's unsustainable population bomb", *Jerusalem Post*, September 23, 2017.
62. Tal, A., "Why is the Government Drying up Agricultural Research?" *The Marker*, May 7, 2018.
63. Tal, A., "Look Reality in the Eye: Israel is on the Verge of a Population Crisis", *The Marker*, June 16, 2018.
64. Tal, A., From Belfast to Tel Aviv: The Irish Proof of Concept that Intractable Conflicts Can Be Solved, *Times of Israel*, Nov. 1, 2018.
65. The Real Culprit Contaminating Golan Height Streams, *Times of Israel*, August 28, 2018
66. Tal, A. "An Eviction Order for Rutti, the Hyena", *Times of Israel*, December 27, 2018.
67. Tal, A. "Don't Fear the Scooter", *Project Syndicate*, July 23, 2019.
68. Tal, A. "It's Time to Stop Using Natural Gas", *The Marker*, September 18, 2019.
69. Tal, A. "The Remarkable Return of the Ibex" *Times of Israel*, October 16, 2019.
70. Tal, A. "Yes You Know About Climate Change, But What Will Get You To Believe it?" *Times of Israel*, Nov 18, 2019.
71. Tal, A. 2019 "Israel Needs to Preserve Its Trees, Not Just Plant New Ones", *Times of Israel*, February 10, 2020.
72. Tal, A., "A Gratuitous Environmental Attack – Not Charlatans but Partners", *Globes*, January 15, 2020
73. Tal, A. The Disconcerting Association between Overpopulation and the Covid-10 Crisis, *Times of Israel*, March 25, 2020.
74. Tal, A. Israeli media's smearing of a devoted public servant, *Times of Israel*, June 14, 2020.
75. Tal, A. Hallelujah! Israel finally passed a bottle deposit law , *Times of Israel*, October 28, 2020.
76. Tal, A. What's a reasonable emissions target for Israel? Zero , *Times of Israel*, January 26, 2021.
77. Tal, A., Lessons from Inside the Whale, *Times of Israel*, February 22, 2021.
78. Tal, A., Why Thou Shalt Not Make a L'ag B'omer Fire and What to Do Instead, *Times of Israel*, April 29, 2021.

(g) Classified articles and reports

1. Tal, A. 2003, *Review of International Air Quality Laws and Recommendations for Reform*, internal series of reports to Ministry of Environment 1-301.
2. Tal, A. 2004. *The Bible of Enforcement*, Israel Ministry of Environment 1-42.

**Lectures and Presentations at Meetings and Invited Seminars**

(a) Invited plenary lectures at conferences/meetings

- 2000 "Environmental Awareness in Israel – Where We Are and Where We're Going," Keynote Address, *IPCRI Israeli/Palestinian Environmental Conference*, Jerusalem, January 18, 2000.
- 2001 "Moving Towards a Sustainable Water Strategy in Israel," Key Note Address at Conference on Sustainability and the Middle East, University of Goettingen, Germany, May 18-19, 2001.
- 2003 "Landmarks in the Struggle for a Healthy Haifa: The Evolution of Israel's Environmental Movement", Resnick Memorial Lecture, The Technion, Israel April, 2003.
- 2003 "Water Wise, - Learning from the Israeli Experience," *Prime Minister Bob Hawke Prime Ministerial Centre Australia-Israel Annual Lecture*, University of South Australia, Adelaide, October, 30, 2003, [http://www.hawkecentre.unisa.edu.au/events/lectures/WaterWise\\_AIHawkeLecture2003.htm](http://www.hawkecentre.unisa.edu.au/events/lectures/WaterWise_AIHawkeLecture2003.htm).
- 2004 "Health, Environment and the Law – Compatible Tools?" Keynote presentation, National Conference on the Environment and Health, Tel Aviv, June, 8, 2004.
- 2005 "Taking Responsibility for the Environment, A Model for Environmental Education", Keynote Address, Fifth Annual Conference on Environmental Education, Western Galilee College, October 26, 2005.
- 2006 "The Role of Local Government in Addressing Global Environmental Problems", Keynote Address, Healthy Cities Association, Annual Meeting, Dimona, Israel, June 12, 2006.



- 2007 "What's Jewish about Jewish Environmentalism?" Keynote lecture, Creighton University Symposium on Jews and the Environment, Omaha, Nebraska, October 28-29, 2007.
- 2008, "The Evolution of the Environmental Movement in the Land of Israel", *Keynote Address, Jerusalem International Conference for Environment and Nature Protection*, Jerusalem, May, 2008.
- 2008, "Water Management in Israel: The Conspicuous Absence of Water Markets", Keynote Lecture, *Water Economics and Financing*, Water Expo 2008, Zaragosa Spain, July 30, 2008.
- 2008 "Judaism and the Environment, an Israeli Perspective", *Keynote Presentation, Coalition for the Advancement of Jewish Education National Conference*, August 10-14, 2008, Burlington, Vermont.
- 2009 "Deserts, Desertification and Sustainability in the Eilat-Eilat Region: Lessons from the Planet", Keynote lecture, *Man and Desert Conference, Eilat, Israel*. March 17, 2009.
- 2009 Tal, A. "On Environmentalism, Conservation, & Science: Ten Observations from Recent Israeli History", *Keynote lecture at the 7<sup>th</sup> Conference on Active Research by Environmental Science Students*, Weizmann Institute Israel, June 8, 2009.
- 2009 "Making Forestry Sustainable: Recent Israeli Innovations in Eucalyptus Farming and Carbon Sequestration", Keynote Address *Seeing the Forest Beyond the Trees: New possibilities and expectations for products and services from small-scale forestry*, Conference of IUFRA, International Union of Forestry Researchers Association, Morgantown, West Virginia, June, 2009.
- 2010, "Sustainable Forestry in Israel", Keynote address at *Inclusive Sustainable Development: Sharing Regional and Local Best Practices*, The Weitz Center for Development Studies at the Hebrew University, Rehovoth, December 5-7, 2010.
- 2011, "Modern Environmentalism: Voices from the Planet" Keynote Speech, *Year of Global Citizenship Series*, Allegheny College, February 2, 2011.
- 2011, "Technical Optimism as an Antidote to Water Scarcity", Keynote address, *Out of Water, Sustaining Development in Arid Climates*, University of Toronto, April 1-2, 2011.
- 2013 "Israel's Environment 2013: Educational Challenges and an Agenda for the Future" Keynote Address, *National Environmental Education Conference*, Beit Berl College, Israel, March 20, 2013.
- 2013 "Between Quantity and Quality of Life", Commencement Address, Cyprus International Institute for Environmental and Public Health. July, 25, 2013.
- 2014 "Israel and Water: Scarcity, Innovation and Cooperation", Keynote Address, America University, March 4, 2015.
- 2016 "Dryland Irrigation: The Grand Experiment", Ambassadors' Roundtable, *Water Innovation and Regional Cooperation in the Water Sector*, Anglo Israel Association, London, February, 16, 2016.
- 2018 "A Religious Response to Climate Change", Interfaith Climate Change and Renewable Energy Conference, Tantur Center, Jerusalem, May 9, 2018 – Jerusalem
- 2018 "The Perils and Potential of a Panacea: Sustainability Challenges in the Desalination Era", *Transboundary Dispute and Collective*. Northwestern University, May 15, 2018.
- 2018, University of Washington, Seattle, Benaroya Endowed Lecture on Water Management, November 27, 2018.
- 2019 "Human Population as a Global Commons: A History of International Interventions", *Ostrom Workshop, Governance: Past, Present and Future*, University of Indiana, June 19-20, 2019.
- 2021 "Judaism and the Environment", Annual Max Wall Lecture, Saint Michael's College, Vermont, March 1, 2021.
- 2021 "Climate Change and Overpopulation: Adaptation Strategies for Water and Agriculture", Keynote Address, *International Conference of the International Arid Land Consortium*, May 25, 2021.

(b) Selected Oral Presentation of papers at conferences/meetings

- 1989 Rosenthal, A. "Conservation Districts, Enforcement and Agricultural Pollution," *National Nonpoint Conference*, St. Louis, June, 1989.
- 1992 Tal, A. "Peace and the Environment in the Middle East, an Activist's Perspective," *National Public Interest Law Conference*, Eugene Oregon, 1992.
- 1992 Tal, A. "Increasing Demand for Recyclable Wastes and Recycled Products: The Limitations and Potential of Statutory Solutions," *Environmental Quality and Ecosystem Stability*, Proceedings in Adin, et. al, Ed. Jerusalem, ISEEQS, 1992.
- 1994 Tal, A. "Confronting Pollution from Municipal Sewage, A Strategic Assessment of NGO Legal Options," International Conference on "The Role of No- Governmental Organizations in Protecting the Environment," Eilat, Israel, March 23, 1994.
- 1994 Tal, A. "Environmental Law in Israel and its Enforcement," *Our Shared Environment*, Jerusalem, December, 1994.
- 1995 Tal, A. "International Cooperation to Protect the Gulf of Aqaba: Theory and Practice," *The Ecosystem of the Gulf of Aqaba in Relation to the Enhanced Economic Development and the Peace Process*, Eilat, February, 1995.
- 1995 Tal, A. "The Role of Law in Environmental Protection and Planning," *Our Shared Environment*, Jerusalem, Israel, December, 1995.
- 1995 Tal, A. "The Role of Public Involvement in Preserving Eilat's Coast," *Tel Aviv University Conference on the Environment and Peace*, June, 1995.
- 1995 Tal, A. "Revisiting Israel's Land Based Source Discharges to the Mediterranean, Israel's Commitment to the Barcelona Convention," *National Ecology and Environmental Quality Conference*, Haifa, July 1995.
- 1995 Tal, A. "Legal Proceedings Against Sewage Discharges in Ra'anana to the Poleg Stream, Lessons Learned," *Israel Rivers Conference, 1995*, (proceedings), Rachel Einav and Avital Gazit Ed. Tel Aviv University, February 21, 1995.

- 1996 Tal, A. "Multi-National Schemes for Groundwater Protection," *Our Shared Environment*, Jerusalem, Israel Palestine Center for Research and Development, December, 1996.
- 1999 Tal, A., "Zionism's Environmental Paradox: The Ecological Price of Modern Jewish Nationalism," *The Regional Conference of the International Water Resources Association*, Jerusalem, June, 1999.
- 2001 Tal, A. "Public Campaigns Against Environmentally Related Transportation Hazards: Lessons from Israel and the World," *Conference on Transportation in Haifa, Quality of Life or Dead End?* Haifa University, March 6, 2000.
- 2001 Tal, A. "Public Attitudes Towards Forestry in Israel – an Empirical Study," *KKL Research Symposium*, Hebrew University School of Agriculture, Rehovoth, December 19, 2001
- 2003 Tal, A, "Improving Enforcement Against Mobile Source Air Pollution", *Transportation and the Environment*, Jerusalem Institute, April, 2003.
- 2004 Tal, A, "Improving Israel's Water Law – Proposals for Reform," *National Ecology and Environmental Quality Conference*, Ganei Taarucha, Tel Aviv, June 10, 2004.
- 2004 Tal, A, "Recent Changes in Israel's Water Legislation, Implications for Cooperative Management Strategies", *2<sup>nd</sup> Israeli-Palestinian-International Conference on "Water for Life in the Middle East"*, Antalya, Turkey, October 12, 2004.
- 2006 Tal, A, "Exploring Israel's Experience in Combating Desertification", *The Annual Conference of the U.S. Society for Environmental History*, St. Paul Minnesota, April, 1, 2006.
- 2006 Tal, A. Braverman A. Hasid, N. Zohar, A, "Regulating Ramat Hovav's Industrial Effluents: The Anatomy of a Mediation", *National Ecology and Environmental Quality Conference*, Haifa Convention Center., June 26, 2006.
- 2006 Tal, A. "Entrance Fees to Nature Reserves: An International Survey, Social, Economic and Environmental Considerations in Managing Nature Reserves, Conference, Tel Hai College, June 28, 2006.
- 2006 Negev, M. Sagui, G. Tal, A. "Evaluating Environmental Literacy in Israel" presented at *American Association of Environmental Education Annual Meeting*, St. Paul Minnesota, October 10-14, 2006.
- 2006 Tal, A. Combatting Desertification through Legislation – from Bottom Up to Top Down, Deserts and Desertification, Sede Boqer, November 7, 2007.
- 2006 Tal, A. "Israel's Role in the International Environmental Community", *Limud Conference*, University of Nottingham, England, December 26, 2006.
- 2007 Teschner, N. Garb, Y. and Tal, A. "The 2015 Strategic National Plan for Southern Israel: Politics, Governance and Participation", *Association of European Schools of Planning*, Naples Italy, July 11, 2007.
- 2007 Justo-Hanani, R. Dayan, T., Tal, A, "Commercial Activities as a Source of Invasive Species in Israel", *National Ecology and Environmental Quality Conference*, Weitzman Institute, June 12, 2007.
- 2008 Tal, A., "The State of Environmental Education in Israel", *Coalition for the Advancement of Jewish Education, National Conference*, August 10-14, 2008, Burlington, Vermont.
- 2008 Bass Spektor, S., Rofè, Y. Tal, A., "Cities and Climate Change: What is to be Gained or Lost from Reframing an Urban Sustainability Agenda in Terms of Greenhouse Gas Emission Reductions?" *Climate Change and Urban Design, Council for European Urbanism*, Oslo, Norway, September 14-16, 2008.
- 2009 Tal, A. "Israel's Water Management: Responding to a New Climate Reality" at *Israel Day of Science Conference*, Science Museum of London, March 5, 2009.
- 2009 Tal, A. "Mechanisms of Enforcement – Israel's Clean Air Act", *Conference on the Clean Air Act*, Tel Aviv University Law School, April 6, 2009.
- 2009 Tal, A. "Between Water Rights and Efficiency", *Jerusalem Conference on Nature and the Environment*, May 27, 2009.
- 2009 Bass Spektor, S., Rofe, Y., Tal, A. "Cities for Climate Protection initiative in Israel: Assessing the impact of urban, economic, and socio-political factors on program implementation". *Low Carbon Cities: 45th ISOCARP Congress*, Porto, Portugal, 18- 22nd 2009.
- 2010 Tal, A. "Land, Nature and Open Spaces in Israel in 2050", *Fortieth Anniversary Conference of the Technion Faculty of Planning and Architecture*, Haifa, June 3, 2010.
- 2010 Tal, A. "Ecological Corridors: Open Spaces Role in Preserving Biodiversity", *Modi'in Conference on Heritage, Environment and Landscape*, December 7, 2010.
- 2011 Trilnick, I., Tal, A. "The Influence of the Landfill Fee on Solid Waste Policy on Israel's Municipalities", *National Ecology and Environmental Quality Conference*, June 27, 2011.
- 2011 Tal, A. "Israel's Battle with Desertification, A Historical Review", *National Ecology and Environmental Quality Conference*, June 27, 2011.
- 2012 Tal, A., "Biodiversity and Dryland Forestry Real and False Dilemmas", *International Conference on Drylands, Deserts and Desertification*, November 13, 2012.
- 2012, Tal, A. "National Parks in Israel, Considerations for Management and Planning", *Conference*, *Planning National Parks*, Haifa, The Technion, Faculty of Architecture Town Planning, December 20, 2012.
- 2013, Tal, A. "Regulatory Drivers of Technological Innovation", *The Sustainability Summit*, Red Rock Canyon, Nevada, April 28, 2013.
- 2014 Tal, A. "Water Across Borders: The Politics of Peace and Collaboration," *Conference on Israeli and Palestinian Waterways*, University of California, Berkeley, March 11, 2014.

- 2014 Tal, A. "Water Conflict: Can Adaptive Management and Technology be Game Changers?" Conference on Water Security and Peace: Avenues for Cooperation, Lincoln Nebraska, May 28, 2014.
- 2014 Tal, A. "Planting and Collapse – the Transition to Sustainable Forestry in Israel", Annual Israel Environmental History Conference, Jerusalem, October 21, 2014.
- 2014 Tal, A. "Carbon Sequestration and Sustainable Forestry: Moving from Wood Production to Ecological Services", 55<sup>th</sup> Conference of the Israel Geographical Association, Haifa, December, 22, 2014.
- 2016 Tal, A. "Israel and Environmental Innovation," AIPAC Policy Conference, Washington, D.C. March 20, 2016.
- 2017 Tal, A. Upstream, Demography Defeats Jordan River Restoration, *National Ecology and Environmental Quality Conference*, Herzliyah, June 25, 2017.
- 2018 Tal, A. Policy Israel's Race to Demographic Oblivion: Sustainable Policy Prescriptions, Israel Studies Association Conference, Berkeley Ca, June 25, 2018.
- 2018 "Israeli Agricultural Policy and Yields: What a Long Strange Trip It's Been", *Israel at 70*, Michigan State University, September 16, 2018.
- 2019 A Place at the Table, Overpopulation and Climate Change, United Nations Climate Change Convention, COP 25, Madrid Spain, Side Event of the *Scientists Warning* organization, November 6, 2019.
- 2021 Deconstructing Population Pressures as an Indirect Driver of Desertification: Addressing the Obstacles to Effective Family Planning, *International Drylands, Deserts and Desertification Conference*, (BGU/UNCCD), November 17, 2020.

c) Selected Presentations at informal international seminars and workshops

- 1994 Tal, A. "Pollution Prevention in the Kinneret Watershed Through Regulation of Animal Feedlots," Israeli Presentation at the *Pollution Prevention NGO Conference*, Sfax Tunisia, September, 1994.
- 2009 Tal, A. "A Final Environmental Agreement between Israel and the Palestinians", *Regional Sustainability Forum*, Van Leer Institute, Jerusalem, March, 2009.
- 2009 Tal, A. "Israel's Experience with Waste Water Reuse -- Related Environmental Issues" *Arizona, Israeli, and Palestinian Water Management and Policy Workshop* Tucson, Arizona, August 31 – September 2, 2009.
- 2010 Tal, A. "Climate Change and the Problem of Water and Food Production in the Middle East", European Parliament, Brussels, June 8, 2010.
- 2010, Tal, A. "Critical Issues for Development of the Jordan River Valley: An Israeli Perspective", *Jordan River and Dead Sea Forum*, November 30-December 3, 2010, Oxford University.
- 2011 Tal, A. "Environmental matters as part of a final status agreement – shared concerns and mutual commitment" *The role of water and environment in the Israeli-Palestinian peace process*, Clingendael Institute, Netherlands Institute for International Relations, The Hague, March 2, 2011.
- 2014 Tal, A. "Will the Environment Survive a Renewed Middle East Peace Process? A Blueprint for Progress" Ostrum Workshop, Keynote Speaker, University of Indiana, Bloomington, Indiana, February 3, 2014.
- 2014 Tal, A. "Israeli Water Resources at the Crossroads," Weston Roundtable, University of Wisconsin, Energy Institute, Madison Wisconsin, February 13, 2014.
- 2014 Tal, A. "Discovery of Natural Gas and Oil in the Mediterranean: Israel's Environmental, Regulatory and Public Health Challenges", Safety and Health of Natural Gas Operations in the Eastern Mediterranean Cyprus University of Technology, Lemesos Cyprus, November 13, 2014.
- 2015 Tal, A. "Climate Change Adaptation and Forest Resilience: Towards a Research Agenda," *Forestry Seminar*, 2015 EXPO, *Feeding the planet, energy for life*, Milan Italy, May 20, 2015.
- 2015 Tal, A. "Israel's Remarkable Irrigation Strategy- But is it Sustainable?" *Yale University Agrarian Forum*, November 6, 2015.
- 2015,16 Tal, A. "Israel's Environment", AIPAC Policy Conference, Washington, D.C. March 1, 2015.
- 2016 Tal, A. "Sustainable Water Practices in the Drylands", World Bank, Washington D.C. March 21, 2016.
- 2018 "Beyond Taboos and Data Gaps: Societal Dynamics and Demography, *Interdisciplinary Perspectives on Culture and Sustainable Population Dynamics*, Tel Aviv, February 19, 2018.
- 2019 Tal, A. "Carrying capacity and population in the Middle East", *Abrahamic Traditions and Environmental Change*, June 23-27, Rhodes, Greece

(d) Selected Seminar presentations at universities and institutions

1. 1992, Geography Department, Tel Aviv University.
2. 1994, Geography Department, Bar Ilan University.
3. 1991, 1993, 1995, School of Public Health, Harvard University.
4. 1996, Environmental Studies Department, Brown University.
5. 1996, Ecology Department, Cornell University.
6. 1997, International Relations Department, Columbia University.
7. 1998, Forestry School, Yale University.

8. 1998, Department of History, Otago University.
9. 1999, Department of Urban Planning, University of Michigan.
10. 1999, Energy and Environmental Program, University of California at Berkeley.
11. 2001, Department of Environmental Sciences, University of North Carolina.
12. 2001, Geography Department, Hebrew University.
13. 2003, Ecology Department, Otago University..
14. 2003, Land Restoration Center, University of Melbourne.
15. 2004, Department of Sociology, Tel Aviv University.
16. 2005, Department of Ecology, Stanford University.
17. 2005, Energy & Environment, University of California, Berkeley,
18. 2005, Environmental Science Department, University of San Francisco.
19. 2005, Agrarian Studies Program, Yale University.
20. 2006, The Natural Resources Defense Council, National Headquarters, New York.
21. 2006, Environmental Defense, Washington Headquarters.
22. 2006, Watson School of International Studies, Brown University.
23. 2006, Environmental Studies Program. University of North Carolina,
24. 2007, Nicholas School of the Environment, Duke University.
25. 2007, The Environmental Law Institute, Washington, D.C.
26. 2008, New York University, Joint Presentation
27. 2008, Environmental Science Department. Creighton University, Omaha Nebraska
28. 2008, Oriel College, Oxford University.
29. 2008, Porter School of the Environment, Tel Aviv University.
30. 2009, Department of Ecology, Hebrew University.
31. 2010, Seminar to Social Science Doctoral Students, Hebrew University
32. 2010, Middlebury College, Vermont, University Speaker's Forum.
33. 2011, University of California, Santa Cruz, Environmental History Program.
34. 2011, Zuckerg Institute for Water Research, Israel, Seminar Series.
35. 2011, Stanford University, Center for Conservation Biology, Seminar Series.
36. 2012 University of California, Berkeley, Law School, Speaker Series.
37. 2012, University of Nebraska, Water Seminar Series.
38. 2012, Arizona State University, School of Sustainability, Invited Lecture.
39. 2013, Nelson Mandella Institute of Science and Technology, Tanzania, Lecture.
40. 2013, Tel Aviv University/ Columbia University Earth Institute, Invited Lecture
41. 2013, Harvard University, Law School, Negotiations Program, Invited Lecture
42. 2013, Mount Holyoke College, Department of Politics, Invited Lecture
43. 2013, Rutgers University, School of the Environment, Dean's Lecture.
44. 2013, University of Arizona, Water Resources Research Center, Invited Lecture
45. 2014, University of Washington, Jackson School of International Relations
46. 2014 Texas Tech University, Natural Resource Management
47. 2014, Duke University, Nicholas School of the Environment
48. 2014, North Carolina State University, Department of Ecology
49. 2014, University of California, Los Angeles, Law School
50. 2014, University of Michigan, Ann Arbor, School of Natural Resources
51. 2014, Columbia University, Institute for Israel and Jewish Studies
52. 2014, George Mason University, Water Forum
53. 2014, Brandeis University, Department of Near East Studies
54. 2015, University of Michigan, Environmental History Seminar.
55. 2015, Ohio State University, Carbon Sequestration Center Seminar Series.
56. 2015, University of Pittsburgh, School of Social Work, Year of Sustainability Series.
57. 2015, Michigan State University, School of Forestry, Seminar Series.
58. 2015, University of North Carolina, Near-East Studies, Community Lecture.
59. 2015, Xi'an Jiaotong University, Institute for Population and Development Studies.
60. 2015, Renmin University, School of Natural Resources, Departmental Seminar Speaker
61. 2015, Yale University School of Forestry, Departmental Lecture.
62. 2016 American University, Israel Studies Center, Public Lecture
63. 2016 University of Texas, Austin, LBJ School of Public Policy
64. 2016, Boston University, Lecture to Faculty.
65. 2017, University of Toronto, School of Public Policy
66. 2017 Binghamton University, Jewish Studies Department.
67. 2017, Columbia University, School of International Studies and Public Affairs

68. 2018 Science Po, Lille, France, International Studies Lecture
69. 2018, Northeastern University, Campus Wide Lecture,
70. 2018, University of Washington, Seattle, Center for Demography and Sustainability
- 71.2019 University of Adis Ababa, Ethiopia, Department of Geography
72. 2019 University of Seychelles, Campus Wide Lecture
73. 2020 Michigan State University, James Madison College and Middle Eastern Studies, Open Lecture.
- .73 2021, University of Munich, Department of History of Science, Invited Lecture.