

**Associate Prof. Daphne Goldman**  
**CURRICULUM VITAE**

**1. Personal Details**

Home Address: 32d Habanim Street, Hertzelia, 46379, Israel

Cellular Phone: 972-545-644852

E-mail: [dafnag@beitberl.ac.il](mailto:dafnag@beitberl.ac.il); [dafnag@netvision.net.il](mailto:dafnag@netvision.net.il)

**2. Higher Education****A. Undergraduate and Graduate Studies**

<b>Period of Study</b>	<b>Name of Institution and Department</b>	<b>Degree</b>	<b>Year of Approval of Degree</b>
1977 - 1980	Tel Aviv University, George S. Wise Faculty of Life Sciences	B.Sc.	1980
1980 - 1984	Tel Aviv University, Department of Zoology, George S. Wise Faculty of Life Sciences	M.Sc.	1984
1984 - 1991	Tel Aviv University, George S. Wise Faculty of Life Sciences	Ph.D.	1991

**Additional studies and certificates**

<b>Period of Study</b>	<b>Name of Institution</b>	<b>Certificate</b>	<b>Year of Approval</b>
1998 - 1998	The Mofet Institute - Research, Curriculum and Program Development for Teacher Educators, Israel	Teaching diploma (equal to teaching license)	1998
2000 - 2001	The Heschel Center for Environmental Learning and Leadership, Israel. Environmental Fellows Program	Not relevant, became Fellow	2001
2006 - 2008	The Mofet Institute, The School of Professional Development, for Teacher Educators; Research and Evaluation Program.	Certificate in Research and Evaluation	2008

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

Tenure: 1999, Beit Berl College

Lecturer: 13 March 2006

Senior Lecturer: 4 Feb 2010

Associate Professor: 19 Feb 2019

(\*) Since promotion to Associate Professor.

<b>Dates</b>	<b>Name of Institution and Department</b>	<b>Rank / Position</b>
1996-1999	Beit Berl Academic College, Department for Environmental Science and Agriculture	Teacher
1999-2006	Beit Berl Academic College, Department for Environmental Science and Agriculture	Teacher with Tenure
13.3.2006-2010	Beit Berl Academic College, Department for Environmental Science and Agriculture	Lecturer with Tenure
2009 - 2011	Kibbutzim College of Education, Technology and The Arts, M.Ed. Program for Visual Literacy	Teacher Part-Time
21.1.2010 - current	Beit Berl Academic College, Department for Environmental Science and Agriculture	Senior Lecturer with Tenure
2014 – current	The Porter School of Environmental Studies, Tel Aviv University	Teaching Fellow
2015 – 2018	Kibbutzim College of Education, Technology and The Arts, M.Ed. Program for Environmental Education	Teacher Part-time

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

(\*) Since promotion to Associate Professor

<b>Dates</b>	<b>Name of Institution</b>	<b>Office</b>	<b>Appointment</b>
2000	Beit Berl College	Center for Professional Development of Ecotope Teachers	Director
2001 - 2002	Beit Berl College	Planning and Development Committee	Member
2001 - 2002	Beit Berl College	Planning and Development Committee, Sub-committee for the Environment	Head
2002 - 2006	Beit Berl College	Teaching Committee	Member
<b>2003 - 2011</b>	<b>Beit Berl College</b>	<b>The Department for Environmental Science and Agriculture</b>	<b>Chair</b>
2005 - 2006	Beit Berl College	Team for developing M.Ed. program on Environmental Education	Head

2006 - 2009	Beit Berl College	Environmental Literacy Center	Head
2010-current	Beit Berl College	Safety and Environmental Quality Committee	Member
2014-current	Beit Berl College, Faculty of Education	Team for development of Master program in STEM Ed	Member
Oct. 2015– Oct. 2017	Kibbutzim College of Education, Technology and The Arts, Faculty of Science	Final Projects & Theses Committee	Member
2015 - 2017	Beit Berl College, Faculty of Education	Faculty Council	Member
*March 2019-	Beit Berl College	Academic Council	Member
*March 2019 -	Beit Berl College	Scientific consulting committee for a STEM Laboratory Center	Head
*April 2020-	Beit Berl College	Azrieli Foundation	Academic coordinator
*Jan. 2022	Beit Berl College	Steering committee, M.Ed. STEM Ed.	Member

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

(\*) Since promotion to Associate Professor.

### **5.1 Public Appointments and Professional Activities**

<b>Dates</b>	<b>Institution / Organization</b>	<b>Committee</b>	<b>Appointment</b>
2002 - 2003	The National Council for Environmental Quality	Committee for Education and Community	Active Member
2002 - 2003	The National Council for Environmental Quality	Sub-committee for preparing the first Position Paper on National Policy for Environmental Education in Israel	Head
2004	Technion, Samuel Neeman Institute for National Policy Research, National Priorities in the Field of Environment in Israel	Committee for writing Position Paper no. 4 – ‘Environmental Education in Israel’	Active Member (Responsible for writing the chapter on teacher education)
2005- 2018	Ministry of Education, Culture and Sport	Environmental Science Subject, Professional Committee	Active Member
2009–2017	Ministry of Environmental Protection	National Committee for Green Campus Accreditation	Active Member as representative

			of colleges
2014-2015	Ministry of Education, Culture and Sport	Environmental Science Subject, Professional Committee	Stand-in-Chair

## 5.2. Journal Editorial Board

Period	Journal	Role
*June 2020 - current	The Journal of Environmental Education	Member, International Review Board

## 5.3. Reviewing for Peer Reviewed Academic Journals

Period during which I received requests and conducted reviews	Journal
2009	International Journal of Science Education (IJSE)
2010	Journal of Research in Science Teaching (JRST)
2013 – 2016	European Journal of Engineering Education (EJEE)
2010 – 2017	International Journal for Environmental and Science Education (IJESE)
2013	Journal of Studies in Educational Evaluation (JSEE)
2013 – current	Ecology and Environment [in Hebrew]
2015 - current	Environmental Education Research (EER)
2016 - current	Journal of Cleaner Production (JCLP)
2016 - current	Environment, Development and Sustainability (ENVI)
2018	EURASIA Journal of Mathematics, Science and Technology Education
2018 - current	The Journal of Environmental Education (JEE)
2018 - current	International Journal of Sustainability in Higher Education
2021 - current	Sustainability

## 5.4. Reviewing of Research Grants

Dates	Grant Authority
2014	The Mofet Institute- Research, Curriculum and Program Development for Teacher Educators, The Research Authority
*2022	ISF – Israel Science Foundation

## 5.5. Professional Affiliations

Dates	Affiliation
1992 – 1998	The Israeli Society of Ecology and Environmental Quality Sciences (ISEEQS)
2000 – 2004	Adam Teva V'Din- Israel Union for Environmental Defense
2000 - current	Environmental Leadership Fellow, The Heschel Center for Environmental

	Learning & Leadership
2003 – 2010	North American Association for Environmental Education (NAAEE)
2004 - current	The Israeli Society of Ecology and Environmental Sciences (ISEES)
2008 – 2009	American Educational Research Association (AERA)
2009 -	European Science Education Research Association (ESERA)
2010-	National Association for Research in Science Teaching (NARST)
2014 -	European Researchers in Didactics of Biology (ERIDOB)
*2019 -	European Educational Research Association (EERA)

### **5.6. Professional Academic Committees and Forums (Active Membership)**

<b>Dates</b>	<b>Affiliation</b>
2006 -	Israel Forum of Researchers in Environmental Education and Education for Sustainability
2008 - 2012	Mofet Institute, Research, Curriculum and Program Development for Teacher Educators, Think-team for sustainability education
*2020 -	Mofet Institute, Research, Curriculum and Program Development for Teacher Educators, Think-team for "Interdisciplinary STEAM Education"

## **6. Participation in Scholarly Conferences**

(\* ) Since promotion to Associate Professor

### **a1. Active Participation, International Academic Conferences**

<b>Date</b>	<b>Name of Conference</b>	<b>Place of Conference</b>	<b>Subject of Lecture</b>
3–8, July, 1988	6 <sup>th</sup> International Conference on Biochemistry and Biophysics of Cytochrome P- 450	Vienna, Austria	PCB induced alteration of steroid hormone biosynthesis in male guinea-pig adrenal microsomes
4–8, June 1989 <b>Invited lecture</b>	<b>4<sup>th</sup> International Conference of the Israeli Society for Ecology and Environmental Quality Sciences, ‘Environmental Quality and Ecosystem Stability’</b>	<b>Jerusalem, Israel</b>	<b>Effect of exposure to Aroclor 1254 on Cytochrome P-450 mediated metabolism of progesterone by adrenal microsomes of male and female guinea- pigs</b>
21-26, June 1992 <b>Invited lecture</b>	<b>5<sup>th</sup> International Conference of the Israeli Society for Ecology and Environmental Quality Sciences, ‘Environmental Quality and Ecosystem Stability’</b>	<b>Jerusalem, Israel</b>	<b>The effect of PCB on the induction of cytochrome P-450 enzyme, detected by monoclonal antibody against the P450IAI gene products, in barn owl and marsh turtle hepatic microsomes</b>
15-20, Aug., 2004	The 30 <sup>th</sup> Congress of the International Geographical Union	Glasgow, UK	The oasis effect in an extremely hot and arid

			climate- The study of the Arava Valley, Southern Israel
May 30– June 1, 2005	The 2005 International Conference of the Israeli Society for Ecology and Environmental Quality Sciences 'Living with Global Change: Challenges in Environmental Sciences'	Rehovot, Israel	Environmental literacy in teacher training- A study of beginner students
May 30- June 1, 2005	The 2005 International Conference of the Israeli Society for Ecology and Environmental Quality Sciences 'Living with Global Change: Challenges in Environmental Sciences	Rehovot, Israel	Influence of a manmade oasis on microclimate conditions in the desert environment, the case of the Arava Valley, Southern Israel
25- 29, Oct., 2005	The 34 <sup>th</sup> Annual Conference of the North American Association for Environmental Education (NAAEE) 'Sustainability and EE- Focus on the Future'	Albuquerque NM, USA	Environmental literacy of beginner teacher training students, Israel
12-16, June, 2006	The 6 <sup>th</sup> International Conference on Urban Climate	Goteborg, Sweden	Seasonal Behavior of a Manmade Oasis in an Extremely Hot, Dry Climate
24- 28, March, 2008	The 2008 American Educational Research Association (AERA) Annual Meeting 'Research on Schools, Neighborhoods and Communities: Toward Civic Responsibility'	New York, USA	Relationship between environmental literacy and background characteristics of teacher-training students: Implications for training programs
March 30 – April 2, 2008	The 2008 National Association of Research in Science Teaching (NARST) Annual International Conference 'Impact of Science Research on Public Policy'	Baltimore, Ma., USA	Relationship between environmental literacy and background characteristics of teacher-training students – implications for training programs.
14-17, Dec., 2008	The 2 <sup>nd</sup> Conference on Drylands, Deserts and Desertification	Sdeh Boqer, Israel	Micro-climatic effect of a manmade oasis during different seasons in an extremely hot, dry climate
10-14, May, 2009	The 5 <sup>th</sup> World Environmental Education Congress	Montreal, Canada	A comparison of environmental literacy between students at the onset and end of their studies in teacher education colleges in Israel
10-14, May, 2009	The 5 <sup>th</sup> World Environmental Education Congress	Montreal, Canada	Greening Beit Berl: Bringing sustainability into the campus of a college of education in Israel

10-14, May, 2009	The 5 <sup>th</sup> World Environmental Education Congress (WEEC)	Montreal, Canada	How do pre-service teachers in Israel perceive the concept 'environment'
Aug. 31- Sept. 4, 2009	The 2009 European Science Education Research Association (ESERA) Conference	Istanbul, Turkey	Evaluating the development of environmental literacy in pre-service teachers
Aug. 31- Sept. 4, 2009	The 2009 ESERA Conference	Istanbul, Turkey	How do pre-service teachers in Israel perceive the concept 'environment'?
21-24, March 2010	The 2010 NARST Annual International Conference 'Research into Practice: Practice Informing Research'	Philadelphia, PA, USA	Student teachers' conceptions of environment and its relevance to their area of teaching: how are these influenced by studies? Implications for teacher training programs
5-9, Sept. 2011	The 2011 ESERA Conference 'Science Learning and Citizenship'	Lyon, France	Influence on a non-formal environmental education program (Green Council Program) on pupils' environmental literacy
25-28, March 2012	The 2012 NARST Annual International Conference 'Re-Imagining Research in 21 <sup>st</sup> Century Science Education for a Diverse Global Community'	Indianapolis, IN., USA	"Human Nature": Chemical Engineering university students' attitudes about human relationships with the natural world
27-31, Aug., 2013	15 <sup>th</sup> Biennial European Association for Research on Learning and Instruction (EARLI) Conference 'Responsible Teaching and Sustainable Learning'	München, Germany	Biodiversity understanding in the context of Shezaf nature reserve among 7th-9th grade students
June 30 - July 4, 2014	10 <sup>th</sup> Conference of European Researchers in Didactics of Biology- (ERIDOB) 2014	Haifa, Israel	Sustainability and environmental education for sustainability in teacher training – Perceptions of pedagogue instructors
Jan. 7-8, 2015	"Not in My Back Yard (NIMBY)": Inter-cultural Inclusion in Educational Systems and in Society	Kfar Saba & Tivon, Israel	Social-cultural anchors for integrating sustainability within Israeli youth movements.
June 29 – July 2, 2015	8 <sup>th</sup> World Environmental Education Congress (WEEC) 'Planet and People'	Gothenburg, Sweden	Characterizing the environmentalism of 'young instructors' in Israeli youth movements as a step towards meaningful incorporation of sustainability within this non-formal education framework
Aug. 31 –	The 2015 ESERA Conference	Helsinki,	Influence of Green-school

Sept. 4, 2015	'Engaging Learners for Sustainable Future'	Finland	certification on pupils' environmental literacy and schools' adoption of sustainability
22-25, April, 2017 <b>Invited lecture and symposium</b>	<b>2017 NARST Annual International Conference 'Glocalization and Sustainability of Science Education Research and Practice</b>	<b>San Antonio, Texas, USA</b>	<b>The influence of 'Green-school certification' on pupils' environmental literacy and adoption of sustainability by schools. In: Administrative ESERA Sponsored Session (Admin. Symposium): How Effective is Education for Sustainable Development at School? Findings from Recent Studies Across Europe</b>
22-25, April, 2017	2017 NARST Annual International Conference 'Glocalization and Sustainability of Science Education Research and Practice	San Antonio, Texas, USA	Comparing motives and environmental literacy between incoming teaching-oriented and non-Teaching-oriented students in interdisciplinary environmental programs.
13-17, April, 2018	2018 Annual AERA Meeting	N.Y., USA	The motives and environmental literacy of teaching-oriented versus incoming non-teaching-oriented students in interdisciplinary environmental programs.
*March 31 – April 3, 2019	2019 NARST Annual International Conference 'Creating and Sustaining Collective Activism through Science education Research'	Baltimore, Maryland, USA	Ultraorthodoxing education for sustainability – Insights from a pioneering ultraorthodox city in Israel.
*24-26, June 2019	7 <sup>th</sup> International Conference on Teacher Education 'The Story of Innovation in Teacher education'.	Tel Aviv, Israel	Integration into the educational system – Comparison between graduates of alternative and traditional teacher preparation programs
*24-26, June 2019	7 <sup>th</sup> International Conference on Teacher Education 'The Story of Innovation in Teacher education'.	Tel Aviv, Israel	Ultraorthodoxing education for sustainability – Insights from Bnei-Brak, a pioneering ultraorthodox city in Israel.
*26-30, Aug 2019	13 <sup>th</sup> ESERA Conference 'The Beauty and Pleasure of Understanding: Engaging with Contemporary Challenges through Science Education'	Bologna, Italy	Multicultural Environmental Education – Insights from a Pioneering Ultraorthodox City in Israel
*2-6, Sept	European Educational Research	Hamburg,	A Framework for Connecting



2019	Association (EERA) ECER 2019 'Education in an Era of Risk – the Role of educational Research for the Future'	Germany	Leadership to Sustainability Citizenship: Implications for Environmental Sustainability Education
*7-8, Nov. 2019	1 <sup>st</sup> International Conference iREEC 2019 International Researchers of Education for Environmental Citizenship	Malaga, Spain	A framework for connecting educational leadership to sustainability citizenship
*June, 2021	Annual Australasian Science Education Research Association ASERA Conference	University of South Australia, South Australia	A multi-country comparison of climate change curricula in secondary schools
*Sept 2021	14th Biannual ESERA Conference (European Science Education Research Association)	Braga, Portugal	Climate Change Curriculum: A Cross Country Comparison
*10-11, March, 2022	iREEC 2022 – International Researchers of Education for Environmental Citizenship	Online event (Due to COVID19 restrictions; originally – Prague, Czech Republic)	A value-based framework connecting environmental citizenship and change agents for sustainability – Implications for education for environmental citizenship The impact of a general elective course on sustainability on the environmental citizenship of undergraduate students. Education for environmental citizenship: A Master's course incorporating international collaboration
*14-18 March, 2022	11 <sup>th</sup> World Environmental education Congress	Prague, Czech Republic	Influence of the 'Green School' Certification in Israel on the Environmental Literacy of Primary School Students in the Arab Sector and Adoption of Sustainable Organizational Culture of Schools "Looking Garbage in the Eyes": Bridging the Transition from Recycling to Environ- mentally Responsible Consu- merism – Transformative Environmental Education at a Waste Treatment Facility International Comparison of climate Change education in Middle School's Curricula

**a.2. Academic Conferences in Israel** (conducted in Hebrew)

<b>Date</b>	<b>Name of Conference</b>	<b>Place of Conference</b>	<b>Subject of Lecture</b>
12-15, Dec. 2004	The 45 <sup>th</sup> Annual Conference of The Israeli Geographical Association	Haifa, Israel	The oasis effect in an extremely hot and arid climate- The case of the Arava Valley, Southern Israel
1-3, Jan., 2006	The Annual Conference of The Israeli Geographical Association	Jerusalem, Israel	Influence of the oasis effect on climate conditions in an extremely hot and arid climate during different seasons
13-15, Feb. 2006	The International Virtual Conference for Teacher Educators – ‘Opening the Gates in Teacher Training to the Challenges in Education and Teaching’	Tel Aviv, Israel	Environmental literacy in teacher training: Characterizing student teachers
26-27, June, 2006	The 34 <sup>th</sup> Annual Conference of The Israeli Society for Ecology and Environmental Quality Sciences	Haifa, Israel	The relationship between the level of environmental literacy and background variables of student teachers at the onset of studies
12-13, June, 2007	The 35 <sup>th</sup> Annual Conference of The Israeli Society for Ecology and Environmental Sciences	Rehovot, Israel	Environmental literacy in teacher training: Characterizing student teachers toward the end of their studies
25-28, June, 2007	The 5 <sup>th</sup> International Conference ‘Teacher Training at Crossroads’	Tel Aviv, Israel	Beginner student teachers’ environmental attitudes
12-13, May, 2009	The 37 <sup>th</sup> Annual Conference of The Israeli Society for Ecology and Environmental Quality Sciences	Rehovot, Israel	Student teachers' perceptions of the concept ‘environment’ and its relation to their discipline
27-28, June 2011	The 39 <sup>th</sup> Annual Conference of The Israeli Society for Ecology and Environmental Sciences	Megiddo Regional Council	Environmental awareness and willingness for environmentally responsible behavior in youth movements – a national survey
16-18, Oct. 2012	The Annual Conference for Science and the Environment 2012 (ISEES)	Tel Aviv, Israel	Influence of exposure to environmental topics in higher education on the inclusion of environmental concerns in political voting
16-18, Oct. 2012	The Annual Conference for Science and the Environment 2012 (ISEES)	Tel Aviv, Israel	Environmental literacy of youth movement members – Differences among secular, religious and Ultra-orthodox

			youth movements
7-9, Oct. 2013	The Annual Conference for Science and the Environment 2013 (ISEES)	Rehovot, Israel	Sustainability and education for sustainability in teacher training- Perceptions of pedagogue instructors
21-23, June, 2016	The Annual Conference for Science and the Environment 2016 (ISEES)	Tel Aviv, Israel	Characterizing the Motives and Environmental Literacy of Undergraduate and Graduate Students who elect Environmental Programs – A Comparison between Teaching-oriented and other Students
* 16 April 2019	The 18 <sup>th</sup> Annual Conference on Environmental Education	Kfar Saba, Israel	Environmental Citizenship at the level of Local Governance: Promoting Sustainability in an Ultraorthodox City in Israel

### **b. Organization of Conferences or Sessions**

<b>Date</b>	<b>Name of Conference</b>	<b>Place of Conference</b>	<b>Subject of Conference</b>	<b>Role</b>
23-24, March, 1999	Environmental Education in the Educational System <sup>(1)</sup>	Beit Berl College, Israel	Scientific and Educational Aspects <sup>7</sup>	Chair, Steering Committee; Editor, book of abstracts
11-12, April, 2000	The Annual Meeting on Environmental Education in the Educational System	Beit Berl College, Israel	Agriculture and the Environment – Affinity and Implications for Education	Chair, Steering Committee; Editor, book of abstracts
29, March, 2001	The 3 <sup>rd</sup> Annual Meeting on Environmental Education in the Educational System	Beit Berl College, Israel	Industry in the Age of Environmental Awareness – Lessons, Achievements and Challenges	Chair, Steering Committee; Editor, book of abstracts
21, March, 2002	The 4 <sup>th</sup> Annual Conference on Environmental Education in the Educational System	Beit Berl College, Israel	The Water System in Israel – Implications for Education	Chair, Steering Committee; Editor, book of abstracts
10, April, 2003	The 5 <sup>th</sup> Annual Conference on Environmental Education in the Educational System	Beit Berl College, Israel	Solid Waste-Responsible Consumption and Management- Implications for Education	Chair, Steering Committee; Editor, book of abstracts
29, March,	The 6 <sup>th</sup> Annual Conference on Environmental	Beit Berl College, Israel	Environmental Education in the	Chair, Steering Committee

2004	Education in the Educational System		Education System – The Challenge for Teacher Preparation	
6, April, 2006	The Annual Conference on Environmental Education in the Educational System	Beit Berl College, Israel	Greening the Campus – Incorporating Principals of Sustainability and Implications for Education	Chair, Steering Committee; Editor, book of abstracts
28, March, 2007	The Annual Conference on Environmental Education in the Educational System	Kibbutzim College of Education, Technology and The Arts, Israel	The City as an Environment	Member, Steering Committee; Organized a session
2, April, 2009	The Annual Conference on Environmental Education in the Educational System	Beit Berl College, Israel	Consumer Culture in an Era of Environmental Crisis – Dilemmas and Challenges for Education	Chair, Steering Committee; Editor, book of abstracts
23, March 2010	The Annual Conference on Environmental Education in the Educational System	Kibbutzim College of Education, Technology and the Arts, Israel	Environmental Health, Human Health	Member, Steering Committee Organized session
8-11, Nov., 2010	The 3 <sup>rd</sup> International Conference on Drylands, Deserts and Desertification	Ben Gurion University of the Negev, The Jacob Blaustein Institutes for Desert Research, Sdeh Boqer campus, Israel	The Route to Restoration	Member, Steering Committee; Head, environmental education sub-committee ‘EE as a tool to restoration’ (four sessions + full day theme tour)
13, April, 2011	The Annual Conference on Environmental Education in the Educational System, 2011	Beit Berl College, Israel	Environmental Justice – Theory, Practice and a Challenge for Education	Member, Steering Committee; Editor, book of abstracts
29, March 2012	The 12 <sup>th</sup> Annual Conference on Environmental Education in the Educational System	Kibbutzim College of Education, Technology and The Arts, Israel	Partners for Social Change – Activism and Education – From Learning to Action	Member, Steering Committee; Organized a session

20, March 2013	The 13 <sup>th</sup> Annual Conference on Environmental Education	Beit Berl College, Israel	Accountability for the Environment – Interrelations among Policy, Community and Education	Chair, Steering Committee; Editor, book of abstracts
9, April 2014	The 14 <sup>th</sup> Annual Conference on Environmental Education	Kibbutzim College of Education, Technology and The Arts, Israel	Place, Education and Sustainability	Member, Steering Committee; Organized session
29, March 2015	The 15 <sup>th</sup> Annual Conference on Environmental Education	Beit Berl College, Israel	Sustainability, Pedagogy, Meaningful Education	Chair, Steering Committee; Editor, book of abstracts
18 April, 2016	The 16 <sup>th</sup> Annual Conference on Environmental Education	Kibbutzim College of Education, Technology and The Arts, Israel	Food, Sustainability and Education	Member, Steering committee
3 April, 2017	The 17 <sup>th</sup> Annual Conference on Environmental Education	Beit Berl College, Israel	The Hottest Story of the World: Climate Change and Us	Member, Steering committee, Organized and chaired panel session
*16 April 2019	The 18 <sup>th</sup> Annual Conference on Environmental Education	Beit Berl College, Israel	Developing Environmental Citizenship- Leverage for Science- and Value-based Sustainability	Member, Steering committee, Chaired session
*7-8 Nov. 2019	1 <sup>st</sup> International Conference iREEC 2019 International Researchers of the Education for Environmental Citizenship	Malaga, Spain		Member, International Scientific committee
*12-13 March, 2022	2 <sup>nd</sup> International Conference iREEC 2019 International Researchers of the Education for Environmental Citizenship	Prague, Czech Republic [Conducted online]		Member, International Scientific committee
*14-18 March, 2022	11 <sup>th</sup> WEEC (World Environmental Education Congress)	Prague, Czech Republic	Building Bridges in Times of Climate urgency	Member, International Socio-Scientific Organizing Committee

*6 June, 2022	Annual Conference on Environmental Education (550 mparticipants)	Beit Berl College, Israel	Environmental Education for Resilience in Times of Climate Change – The Doughnut Model as a Guiding Compass	Chair, steering committee
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(1) **I am co-founder of the Annual Conference on Environmental Education**

## **7. Invited Lectures / Colloquium Talks**

<b>Date</b>	<b>Place of Lecture</b>	<b>Name of Forum</b>	<b>Presentation</b>
5-12, Sept., 1998	Pedagogische Hochschule, Ludwigsburg, Germany	The German - Israeli Symposium: '1948–1998, Fifty Years of Education in Germany and in Israel'	Environmental education in Israel - Development and challenges.
25, June, 2007	Ramat Efal, Israel	The 16 <sup>th</sup> Conference of the Professional Forum for Solid Waste Treatment- Environmental Education as a Leverage for Promoting Waste Policy and Recycling	Recycling – What’s the story? A program for developing environmental citizenship for coping with solid waste.
1 Nov., 2007	Tel Aviv, Israel	The Ministry of Environmental Protection and Council for Higher Education Meeting and Ceremony for Accrediting Green Campuses	Greening a campus for teacher education - A reflection of environmental literacy
26, Feb. – 5, March, 2017	Palacký University, Olomouc, Czech Republic	Faculty of Science, Department of Development Studies	Environmental characteristics, challenges, and achievements of Israel
21-22, Oct., 2021	Online event	COST Action CA16229 European network for Environmental Citizenship, 7 <sup>th</sup> European Joint Meeting	A value-based framework connecting environmental citizenship and change agents for sustainability – Insights for the ENEC EEC model. Evaluating an educational intervention designed to foster environmental citizenship among undergraduate university students

## 8. Research Grants

(\*) Since promotion to Associate Professor

### a. Grants Awarded

<b>Role in Research</b>	<b>Co-Researchers</b>	<b>Topic</b>	<b>Funded by/ Amount</b>	<b>Year</b>	<b>Resulting Papers</b>
Co-PI	Dr. Bela Yavetz Dr. Sara Pe'er	Characterizing the Environmental Attitudes, Knowledge and Behavior of Students in Teacher training Colleges, and Investigating the Relationship between Different Teacher Programs and these characteristics.	Beit Berl Academic College, The Research and Evaluation Unit; 12,387 NIS	2003-2004	Section D no. 5, 6
Co-PI	Prof. Oded Potchter, Dr. David Iluz, Dr. David Kadish	The 'Oasis Effect' in Arid Regions in Israel as a Result of Development of Agriculture and Vegetated Areas	Beit Berl Academic College, The Research and Evaluation Unit; 36,000 NIS	2003-2004	Section D no. 7
Co-PI	Dr. Bela Yavetz Dr. Sara Pe'er	Environmental Literacy in Teacher Training – Characterizing Students who Designate Themselves to Teaching, and Mapping the Teacher Programs	The Mofet Institute, The Research Authority; 33,214 NIS	2004-2005	Section D no. 5,6,9
Co-PI	Prof. Oded Potchter, Dr. David Iluz, Dr. David Kadish	Integrating Student Teachers in a Field Study – The 'Oasis Effect' in Arid Regions in Israel as a Result of Development of Agriculture and Vegetated Areas	The Mofet Institute, The Research Authority; 35,500 NIS	2005-2006	Section D no. 11
Co-PI	Dr. Bela Yavetz Dr. Sara Pe'er	Environmental Literacy of Student Teachers: Comparison between Students at the Onset and Towards the End of Their Studies.	Beit Berl Academic College, The Research Unit. 17,000 NIS	2006-2007	Section D no. 8, 9, 10, 13, 16
Co-PI	Dr. Bela Yavetz Dr. Sara Pe'er	Environmental Literacy of Student Teachers: Comparison between Students at the Onset and Towards the End of Their Studies.	The Mofet Institute, The Research Authority; 38,214 NIS	2006-2007	Section D no. 8, 9, 10, 13, 16
Co-PI	Dr. Bela Yavetz Dr. Sara Pe'er	Environmental Education in Youth Movements – A Survey of Environmental Awareness and Willingness for	The Ministry of Environmental Protection, Chief Scientist;	2009-2011	Section D no. 18, 24; Section E

		Environmental Action, and Recommendations for Incorporating the Environment into these Organizations	170,500 NIS		no. 2, 6
Co-PI	Dr. Bela Yavetz Dr. Sara Pe'er	Education for Sustainability in Pedagogue Instruction in Academic Colleges of Education – Between Vision and Reality	The Mofet Institute, The Research Authority; 21,607 NIS	2011-2013	Section E no. 1
Co-PI	Prof. Yehudit Dori, Prof. Tali Tal, Dr. Ariel Sarid	The influence of attributes of alternative certification programs (ACP) characteristics on integration of graduates within the school system	Ministry of Education, Chief Scientist. 500,000 NIS	2017-2019 Research call 31/12.15	
Secondary proposer partner	From: Belgium, Cyprus, Czech Republic, Greece, Israel, Italy, Netherlands, Poland, Portugal, Spain, Sweden, UK, USA	ENEC (European Network of Environmental Citizenship)	COST Action CA16229	2017 - 2021	Section D, no. 26, 28; Section E no. 3, 4, 5, 7
*PI	Assoc. Prof. Marie-Christine Knippels; Dr. Andri Christodoulou; Dr. Jelle Boeve-de Pauw; Prof. Niklas Gericke; Dr. Susanne Walan; Prof. Pedro Reis; Dr. Ariel Sarid	Creating organizational structures for meaningful science education through open schooling for all (COSMOS)	Horizon 2020, SwafS (CSA action); 1,520,000 Euro	Jan 2022-Jan 2025	

### b. Submission of Research Proposals – Pending

Role in Research	Co-Researchers	Topic	Funded by/ Expected Amount	Year



**c. Submission of Research Proposal – Not Funded**

<b>Role in Research</b>	<b>Co-Researchers</b>	<b>Topic</b>	<b>Funded by</b>	<b>Year</b>	<b>Score</b>
Co-PI	Prof. Oded Potchter; Prof. Shabtai Cohen; Dr. David Iluz	The Oasis Effect in Different Biogeographic Zones in Israel as a Tool for Local Climate Mitigation in Light of Global Warming	The Israel Science Foundation (ISF) (Research Grant Application no. 57/11)	2011	Very Good (90)
Coordinator	From Israel: Prof. Oded Potchter; Prof. Yitzchak Schnell; Prof. Pua Bar; Dr. Sinaia Netanyahu; Dr. Meidad Kisinger	Development of Interdisciplinary Environmental Study Units as a Modular Framework for Sustainable Teaching and Research Partnerships	TEMPUS-IV Executive Agency EACEA (Proposal 530196-TEMPUS-1-2012-1-IL-TEMPUS-JPHES)	2012	Group II (proposal of good quality-score 50-69.5/100)
Partner – CoPI Responsible for a Work-package and participating in other WPs	Prof. Franz Bogner; Prof. Peter Van Petegem; Prof. Florian Kaiser; Prof. Niklas Gericke; Dr. Ariel Sarid; Dr. Jelle Boeve-de Pauw; Dr. Willi Haas; Dr. Pavel Nováček; Dr. Sofoklis Sotiriou; Dr. Bruce Johnson	Bridging the Gaps: Drivers of Transformative Young Leadership for Sustainability Citizenship (BRIDGES)	European Commission (HORIZON 2020)	2015	14/15 (5/5- impact, 4.5/5- excellence, 4.5/5- quality of implementation)
*PI2	Prof Yehudit Judy Dori; Dr. Hana Himi	Career Choice and Occupational Retention of Women in STEMM Professions with Focus on Underrepresented Cultural Groups	Israel Science Foundation: 641,160 NIS requested for 3 years	2019	
*Partner Investigator	Dr. Efrat Eilam, Prof. Vaille Dawson, Dr. Peta White, Dr. Helen Widdop,	Climate change education: Best practice for Australian schools	Australian Research Council, Discovery Projects;	2021	

	Prof. Orit Ben Zvi Assaraf				
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## **9. Scholarships, Awards and Prizes** (since Ph.D.)

<b>Dates</b>	<b>Source that Awarded</b>	<b>Aim of Award/Grant</b>
2000- 2002	The Heschel Fellowship Scholarship	Study Grant (10,000 NIS)
2012	Beit Berl Academic College	President's Award for Contribution as Outstanding Faculty

## **10. Teaching**

### **a. Courses Taught in Recent Years**

#### **Beit Berl College**

<b>Year</b>	<b>Name of Course</b>	<b>Type of Course</b>	<b>Degree</b>	<b>Number of Students</b>
1996-2018	Introduction to Life Sciences and the Environment	Introductory course, Lecture & Lab (Mandatory)	B.Ed.	~25-30
1996-current	The Environmental Crisis and Sustainability	Lecture, (Mandatory)	B.Ed.	~15-30
1996-current	Global Environmental Issues	Lecture (Mandatory)	B.Ed.	~15-30
1996-current	Seminar in Environment and Agriculture	Research Seminar (Mandatory)	B.Ed.	10-25
1996 - 2007	Environmental Monitoring	Lecture + field lab	B.Ed.	~10-15
1996 - 2009	Environmental Issues in Israel	Lecture	B.Ed.	~15-20
1999 - 2004	The Environment I live in	Workshop	B.Ed.	~ 30
2004	The Biosphere	High-Learn	B.Ed.	~ 30
2004 - 2007	Environment and Education – System Thinking	Research Seminar course	B.Ed.	~ 15-20
2005-2007	Topics in Environmental & Educational Thinking	Lecture	B.Ed.	~ 15-20
2010-2015	Thinking Green – Education for Sustainability	Workshop (Supported by The Ministry of Environmental Protection)	B.Ed. Primary Education	~25-30
2011-2014	Biotechnology, Ethics and Education	Research Seminar	B.Ed.	~20
2012–2014	Introduction to Sustainability and Environmental Education- Developing Educational Leadership	Workshop (Supported by The Ministry of Environmental Protection)	B.Ed. Excellence Program	~ 10
2012-current	Environmental Education for	Research Seminar	M. Teach.	20-25

	Sustainability			
2015	Pro-seminar Agriculture and Environment	Pro-seminar	Special B.Ed. Program for Agricultural High School Teachers	~30
2015 - 2016	Issues in Sustainability and Environmental Education	Lecture	B.Ed. in Special Education, Program for Ultraorthodox	~25
2016- 2018	Developing Transformative Leadership to Promote Sustainability Citizenship	Unique PBL course including a social involvement project, which received 40,000 NIS grant from the Council for Higher Education	B.Ed. Excellence Program	~10-12
2017-2019	Education for Sustainability	PBL course; Faculty of Education (Elective)	B.Ed. (all tracks)	45
2018-	Biomimicry	Lecture (Mandatory)	M. Teach. Science Education	~12
2018-2021	Educational Leadership for Environmental-social Sustainability	Research Seminar	M.Ed. School Management	20-25
2021 -	Research community – Educational leadership for environmental-social sustainability	Unique multi-disciplinary research seminar incorporating co-teaching	M.Ed. School Management	30-35

### Tel Aviv University, Porter School of the Environment and Earth Sciences

Year	Name of Course	Type of Course	Degree	Number of Students
2014-current	Environmental Education for Sustainability – Insights from Research	Lecture	M.A. - graduate	~25
2018 - current	Environmental Education for Sustainability – Insights from Research	Lecture	International M.A. Program in Environmental Studies	~25

### Kibbutzim College of Education, Technology and The Arts

Year	Name of Course	Type of Course	Degree	Number of Students
2009- 2011	Issues in Environmental Education	Lecture	M.Ed. Visual Arts	~15

2015-2015	Environmental Workshop	Final Project Workshop	M.Ed. Environmental Education	~25
2015-2018	Environmental Education Seminar- Society and Community	Theoretical seminar	M.Ed. Environmental Education	~20

## **b. Supervision of Graduate Students**

### **Thesis track**

<b>Name of Student</b>	<b>Title of Thesis</b>	<b>Degree</b>	<b>Date of Completion</b>	<b>Student's Achievements</b>
Shay Haham	The Relationship between Exposure to Environmental Content in Higher Education and Incorporating Environmental Considerations in Political Voting	M.A.	May, 2013	Graduated with Honors
Bell Weiss	Influence of the Green School Certification Process on Adoption of a Sustainable Culture by Schools and Development of Pupils' Environmental Citizenship	M.A.	Feb., 2014	Award for excellent lecture (100 applicants) Annual Conference for Science and the Environment
Avigdor Sharon	Buildings as Teachers: The building as a Living Laboratory and its Influence on Components of Peoples' Environmental Literacy – The Porter Building Case	M.A.	Jan., 2017	Final grade 91
Roy Woldavsky	Education for environmental entrepreneurship – evaluation of an educational unit for developing environmental citizenship and entrepreneurship in youth	M.A.	March 2019	Final grade 87
Gal Tal	Impact of an outdoor, place-based environmental education program on pupils' environmental citizenship and sense of well-being, and on the local environment and community – Case study of 'green' accredited elementary schools in Hertzlia	M.A.	May, 2018	Final Grade 94
Ester Golombek	Restoring coral reefs with small branch fragments – scientific and educational aspects	M.A.	April, 2019	Final Grade 91
Igi Aram	When education meets solid waste: Promoting critical discourse among educators on consumerism - Case study of the Hiriya Center for Environmental Education	M.A.	December, 2018	Final grade: 94
Asaf Nabarro	Infusing environmental discourse into Civic teaching in high school: linkage between	M.A.	July, 2019	Final grade: 96 (Excellent)

	sustainability and the civics curriculum and civic teachers' perceptions of environmental topics and their willingness to incorporate these in their teaching.			
Olfat Massalcha	Arab primary students' environmental literacy and awareness of environmental values in Islam: Comparison among students from schools at different levels of "green-school" accreditation	M.A.	Oct, 2021	
Daniel Melamud	Nature Connection and Connectedness to nature among Forest School Pupils in Israel	M.A.		
Nofar Naugauker	Challenges in Climate Change Education: Evaluation of the Perspectives of Key Opinion Leaders in the Israeli Education System	M.A.	June, 2022	Graduated with Honors, final grade 95
Myriam Darmoni Charbit	Perceptions and attitudes of Arab pre-service teachers and teacher teachers regarding climate change - elucidating the influence cultural factors	M.A.		
Dror Vardimon	Investigating the home range of sandbar sharks in the eastern Mediterranean Sea and the Israel movement phase - active engagement of students in research as a means for developing their environmental stewardship towards sharks and the marine environment	Ph.D.	On hold	

### **Final Projects (non-thesis track in M.Ed. or M.A. Programs)**

<b>Name of Student</b>	<b>Title of Final Project</b>	<b>Degree</b>	<b>Date of Completion</b>
Sharon Feigelman	Development of an Inquiry-Based Educational Program for First Grade Pupils on Animals which Implements Principles of Visual Literacy in Environmental Education	M.Ed.	2011
Meirav Zarchovitz	Evaluating an Educational Program for Conservation of Biodiversity in the Local Environment at the Yitzhak Sadeh School.	M.Ed.	2012
Shuky Askayo	Influence of Project-Based Learning of Environmental Topics in Agriculture Education on The Self-Efficacy of Challenged Students	MA.	2015
Ori Rozenboim	Principles of Project Based Learning in Environmental Education – Case Study of The Kfar Hayarok Experimental School	MA	2016
Daniel Hardi	Investigating Pedagogies in Environmental Education Implemented at the Center for Environmental Education at Hiriya waste site.	MA	2017
Shimbra Lakau	The Educational Garden as Content and a Learning Environment in Pre-school Education	M.Ed.	Feb. 2017
Amana Husha	The Influence of Integrating Environmental education in the Biology Subject on Pupils Environmental Literacy – The Case of 8 <sup>th</sup> Grade in Almanara Junior High School Jisr-az-Zarqa	M.Ed.	June, 2017

## **11. Miscellaneous**

\* 3.4.2020 Opponent for the doctoral thesis of Teresa Berglund 'Student views of environmental, social and economic dimensions of sustainable development and their interconnectedness: A search for the holistic perspective in education for sustainable development', Department of Environmental and Life Sciences, Karlstad University, Sweden.

## **12. Additional Professional Experience**

1992 - 1993: Oranim Elementary School; *Project Manager*; Responsibility for all aspects of the design, set up and management of an interdisciplinary educational enrichment program in biology and ecology.

1993 - 1997: Council for a Beautiful Israel, Center for Environmental Studies; *Head of Ecology and Environmental Quality division*; Responsibility and execution of all aspects of the design, development and implementation of a unique, modular educational program; development of interactive educational exhibitions and multimedia presentations; design of professional workshops; set-up, training and management of the staff of instructors; overall professional management of the environmental division; consultation for defining the framework of the organization's activity in environmental aspects; representation of the organization to private and government sectors in marketing programs, research and productions.

2003 – 2006: Hakfar Hayarok (“The Green Village”) youth village agricultural high school and farm, *Academic consultant*.

2012-2013: Tovanot, Organizational evaluation, planning and consulting; *Professional consultant* for a survey evaluating the environmental education activities of an environmental education center.

**Daphne Goldman, Associate Prof.**

**PUBLICATIONS**

(\*) Since promotion to Associate Professor

**A. Ph.D. Dissertation**

Interference of the Industrial Pollutant - PCB with oxidative Metabolism of Steroid Hormones in the Guinea - Pig and in Two Wildlife Species of Israel

March 1991; 167 pages; Hebrew; Tel Aviv University; Supervisors: Dr. Aminadav Yawetz and Prof. Albert Perry.

See: section D (articles in refereed journals) papers 1 – 4.

section F (articles in peer reviewed conference proceedings), papers 1 & 2.

**B. Edited books**

Outdoor Environmental Education in the Contemporary World (submitted to Springer, **in review**). Volume editors in addition to myself: Jan Činčera (leading editor), Masaryk University; Bruce Johnson, University of Arizona, Iris Alkaber, Kibbutzim College of Education; Michal Medek, Masaryk University.

**D. Articles in Peer Reviewed Journals**

**Published**

1. **Goldman, D.** & Yawetz, A. (1990). The interference of Aroclor 1254 with progesterone metabolism in guinea-pig adrenal and testes microsomes. *Journal of Biochemical Toxicology*, 5 (2), 99-107. DOI: 10.1002/jbt.2570050204. [Since 1998: *Journal of Biochemical and Molecular Toxicology*]
2. **Goldman, D.** & Yawetz, A. (1991). Cytochrome P-450 mediated metabolism of progesterone by adrenal microsomes of PCB-treated and untreated barn owl (*Tyto alba*) and marsh turtle (*Mauremys caspica*) in comparison with the guinea-pig. *Comparative Biochemistry and Physiology Part C*. 99(1-2), 251-255. DOI: 10.1016/0742-8413(91)90107-5.
3. **Goldman, D.** & Yawetz, A. (1992). The interference of polychlorinated biphenyls (Aroclor 1254) with membrane regulation of the activities of Cytochromes P-450<sub>C21</sub> and P-450<sub>17 $\alpha$ , lyase</sub> in guinea-pig adrenal microsomes. *Journal of Steroid Biochemistry and Molecular Biology* 42(1), 37- 47. DOI: 10.1016/0960-0760(92)90009-8.
4. Yawetz, A., **Goldman, D.**, Stegeman, A.A. & Woodin, B. (1993). The effect of PCB on the induction of Cytochrome P-450 enzyme, detected by monoclonal antibody against the P450IA1 gene products, in barn owl and marsh turtle hepatic microsomes. *Water Science and Technology*, Vol. 27(7-8), 457-464. [see section F paper 3]
5. **Goldman, D.**, Yawetz, B. & Pe'er, S. (2006). Environmental literacy in teacher training in Israel: Environmental behavior of new students. *The Journal of Environmental Education* 38(1), 3–22. DOI: 10.3200/JOEE.38.1.3-22.

6. Pe'er, S., **Goldman, D.** & Yavetz, B. (2007). Environmental literacy in teacher training: Environmental attitudes, knowledge and behavior of beginning students, *The Journal of Environmental Education* 39(1), 45–59. DOI:10.3200/JOEE.39.1.45-59.
7. Potchter, O., **Goldman, D.**, Kadish, D. & Iluz, D. (2008). The oasis effect in an extremely hot and arid climate: The case of Southern Israel. *Journal of Arid Environments* 72(8): 1721-1733. DOI:10.1016/j.jaridenv2008.03.004.
8. Yavetz, B., **Goldman, D.** & Pe'er, S. (2009). Environmental literacy of pre-service teachers in Israel: A comparison between students at the onset and end of their studies. *Environmental Education Research* 15(4), 393-415. DOI:10.1080/13504620902928422
9. **Goldman, D.**, Pe'er, S., & Yavetz, B. (2010). How do pre-service teachers perceive 'environment'? Implications for the development of environmental literacy in teacher training. *Ecology and Environment*, 1, 47 – 56 [in Hebrew].
10. Yavetz, B., Pe'er, S., & **Goldman, D.** (2011). Characterizing the Environmental Literacy of Student Teachers Toward the End of Their Studies – Implications for Environmental Education in Teacher Training. *Dapim*, 52, 137 – 183 [in Hebrew].
11. Potchter, O., **Goldman, D.**, Iluz, D., & Kadish, D. (2012). The Climatic Effect of a Manmade Oasis during Winter Season in a Hyper Arid Zone: The Case of Southern Israel. *Journal of Arid Environments*, 87, 231-242. DOI: 10.1016/j.jaridenv. 2012.07.005.
12. **Goldman, D.**, Ben-Zvi Assaraf, O., & Shaarbani, D. (2013). Influence of a non-formal Environmental Education program on junior high school students' environmental literacy. *International Journal of Science Education*, 35(3), 515-545. DOI: 10.1080/09500693.2012.749545. [see section F paper 6]
13. Yavetz, B., **Goldman, D.** & Pe'er, S. (2014). How do pre-service teachers perceive 'environment'? Implications for the development of environmental literacy in teacher training. *Environmental Education Research*, 20(3), 354-371. DOI: 10.1080/13504622.2013.803038. [see section F paper 5]
14. **Goldman, D.**, Ben Zvi Assaraf, O., & Shemesh, J. (2014) "Human Nature": Chemical Engineering students' ideas about human relationships with the natural world. *European Journal of Engineering Education*, 39(3), 325-347. DOI: 10.1080/03043797.2013.867313.
15. Keynan, A., Ben Zvi Assaraf, O. & **Goldman D.** (2014). The Repertory Grid as a Tool for Evaluating the Impact of Place-Based Approach to Enhancing Students' Systems Thinking and Understanding of Biodiversity. *Studies in Educational Evaluation*, 41, 90-105. DOI: 10.1016/j.stueduc.2013.09.012 [Special issue]
16. **Goldman, D.**, Yavetz, B., & Pe'er, S. (2014). Student Teachers' Attainment of Environmental Literacy in Relation to their Disciplinary Major during Undergraduate Studies. *International Journal of Environmental and Science Education*, 9(4), 369-382. DOI: 10.12973/ijese.2014.222a. [Since 2019: *Interdisciplinary Journal of Environmental & Science Education*]



17. **Goldman, D.**, Ayalon, O., Baum, D., & Haham, S. (2015). Major matters: Relationship between academic major and university students' environmental literacy and citizenship as reflected in their voting decisions and environmental activism. *International Journal of Environmental and Science Education*, 10(5), 671-693. DOI: 10.12973/ijese.2015.260a  
  
This manuscript is recognized "as one of the top-cited articles in Interdisciplinary Journal of Environmental & Science Education".
18. **Goldman, D.**, Pe'er, S. & Yavetz, B. (2017). Environmental literacy of youth movement members – is environmentalism a component of their social activism? *Environmental Education Research*, 23(4), 486-514. DOI: 10.1080/13504622.2015.1108390
19. Alkaher, I. & **Goldman, D.** (2017). Characterizing the motives and environmental literacy of undergraduate and graduate students who elect environmental programs – A comparison between teaching-oriented and other students. *Environmental Education Research*, 24(7), 969-999. DOI: 10.1080/13504622.2017.1362372
20. **Goldman, D.**, Ayalon, O., Baum, D. & Weiss, B. (2018). Influence of 'Green School Certification' on students' environmental literacy and adoption of sustainable practice by schools. *Journal of Cleaner Production*, 183: 1300-1313. DOI: 10.1016/j.jclpro.2018.02.176
21. Cincera, J., Boeve-de Pauw, J., **Goldman, D.**, & Simonova, P. (2018) Emancipatory or Instrumental? Students' and teachers' perceptions of the implementation of the EcoSchool program. *Environmental Education Research*, 25(7), 1083-1104. DOI: 10.1080/13504622.2018.1506911.
22. Alkaher, I., **Goldman, D.**, & Sagy, G. (2018) Culturally based education for sustainability – Insights from a pioneering ultraorthodox city in Israel. *Sustainability*, 10(10), 3721. DOI: 10.3390/su10103721.
23. \*Alkaher, I., and **Goldman, D.** (2019) Promoting Environmental Policy and Education for Sustainability in an Ultraorthodox Municipality – The Case of Bnei-Brak. *Ecology & Environment*, 10(2), 34- 41[in Hebrew].
24. \* **Goldman, D.**, Pe'er, S., & Yavetz, B. (2019). Socio-cultural anchors for incorporating sustainability in youth movements: Comparison among secular, religious and ultraorthodox movements. *The Journal of Environmental Education*, 51(3), 183-199. doi: 10.1080/00958964.2019.1646203  
  
This manuscript was acknowledged by the editorial: "The connections you make between religious studies and environmental studies are sorely needed, and we thank you for establishing these".
25. \*Aram, I., Alkaher, I., & **Goldman, D.** (2020). A walk to Hiriya: Solid waste as an arena for transformative learning – the case of the environmental education center at Hiriya. *Ecology & Environment*, 40, 24-31 [Hebrew]
26. \*Sarid, A. & Goldman, D. (2021). A value-based framework connecting environmental citizenship and change agents for sustainability – Implications for education for environmental citizenship. *Sustainability*, 13, 4338. <https://doi.org/10.3390/su13084338>

27. \*Goldman, D., Alkaher, I., & Aram, I. (2021). "Looking garbage in the eyes": From recycling to reducing consumerism – transformative environmental education at a waste treatment facility. *The Journal of Environmental Education*, 6, 398-416. 10.1080/00958964.2021.1952397
28. \*Telešienė, A., Boeve-de Pauw, J., Goldman, D., & Hansmann, R. (2021). Evaluating an education intervention designed to foster environmental citizenship among undergraduate university students. *Sustainability*, 13, 8219. <https://doi.org/10.3390/su13158219>
29. \* Cincera, J., Gallayova, Z., Kuciakova, S., & Goldman, D. (2021). Roots and Shoots: Building bridges between schools and their communities. *Sustainability*, 13, 12543. <https://doi.org/10.3390/su132212543>
30. \* Dawson, V., Eilam, E., Tolppanen, S., Ben Zvi, A., Gokpinar, T., Goldman, D., Paranitha Eka Putri, G.A., Wijaya Subianto, A., White, P., & Widdop Quinton, H. (accepted 2022). A cross-country comparison of climate change in secondary school Science and Geography curricula. *International Journal of Science Education (TSED)*. <https://doi.org/10.1080/09500693.2022.2078011>

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

### **Published**

1. Pe'er, S., Yavetz, B. and **Goldman, D.** (2013). Environmental Education for Sustainability as Values Education - The Challenge for Teacher Educators. Pp. 135-153 in: M. Ben-Peretz, S. Kleeman, R. Reichenberg and S. Shimoni (Eds.) *Embracing the Social and the Creative: New Scenarios for Teacher Education*. Maryland: Rowman and Littlefield Publishing Group Inc. and the MOFET Institute.
2. Yavetz, B., **Goldman, D.**, & Pe'er, D. (2016). Anchors for Sustainability in Youth Movements: Analysis of Perceptions of Youth Movement Leaders. Pp. 362 – 383 in: I. Avisar (Ed.) *The Challenge of Sustainability: Education and Social-Environmental Responsibility*. Tel Aviv: Hakibbutz Hameuchad Publishing House & Mofet [in Hebrew]
3. \***Goldman, D.**, Hansmann, R., Činčera, J., Radović, V., Telešienė, A., Balžekienė., & Vávra, J. (2020). Education for Environmental Citizenship and Responsible Environmental Behaviour. In: A.Ch. Hadjichambis, P. Reis, D. Parakseva-Hadjichambi, J. Cincera, J. Boeve-de Pauw, N. Gericke and M.C. Knippels (Eds.). *Conceptualizing Environmental Citizenship for 21<sup>st</sup> Century Education* (pp. 115-138). Cham, Switzerland: Springer. DOI 10.10007/978-3-030-20249-1.
4. \*Parra, G., Hansmann, R., Hadjichambis, A.Ch., **Goldman, D.**, Paraskeva-Hadjichambis, D., Sund, P., Sund, L., Gericke, N., Conti, D. (2020). Education for environmental citizenship and education for sustainability. In: A.Ch. Hadjichambis, P. Reis, D. Parakseva-Hadjichambi, J. Cincera, J. Boeve-de Pauw, N. Gericke and M.C. Knippels (Eds.). *Conceptualizing Environmental Citizenship for 21<sup>st</sup> Century Education* (pp. 149-160). Cham, Switzerland: Springer. DOI 10.10007/978-3-030-20249-1.

5. \*Paraskeva-Hadjichambi, D., **Goldman, D.**, Hadjichambi, A.Ch., Parra, G., Lapin, K., Knippels, M.C., and Van Dam, F. (2020). Educating for Environmental Citizenship in Non-formal Frameworks for Secondary level Youth. In: A.Ch. Hadjichambis, P. Reis, D. Parakseva-Hadjichambi, J. Cincera, J. Boeve-de Pauw, N. Gericke and M.C. Knippels (Eds.). *Conceptualizing Environmental Citizenship for 21<sup>st</sup> Century Education* (pp. 213-235). Cham, Switzerland: Springer. DOI 10.10007/978-3-030-20249-1.
6. \*Pe'er, S., **Goldman, D.**, & Yavetz, B. (2020). Sustainability in Youth Movements: The Situation, Challenges and Directions for Action. In: Nir Michaeli and Gil Gartel (Eds.) *Youth Movements in Israel: A Hundred Years of Distinctive Education*. Tel Aviv: Mofet Institute Publications (pp. 183-204). [in Hebrew].
7. \* **Goldman, D.**, & Sarid, A. (2021). Connecting Environmental Citizenship and Transformative Leadership as a Foundation for a Dynamic Curricular Approach. In: Haled Arar, Gila Kurtz, Jamal Abu-Hussein and Hana Bar-Ishai (Eds.) *Education as a Complex System*. Tel Aviv: Pardes, pp. 245-266. [in Hebrew].

## **F. Papers in Conference Proceedings**

### **Peer Reviewed, Published**

1. **Goldman, D.** & Yawetz, A. (1989). PCB induced alteration of steroid hormone biosynthesis in male guinea-pig adrenal microsomes. In: I. Schuster (Ed.), *Cytochrome P-450: Biochemistry and Biophysics* (pp. 833–836). London: Taylor and Francis.
2. **Goldman, D.** & Yawetz, A. (1989). Effect of exposure to Aroclor 1254 on Cytochrome P-450 mediated metabolism of progesterone by adrenal microsomes of male and female guinea- pigs. In: E. Spanier, Y. Steinberger & M. Luria (Eds.), *Environmental Quality and Ecosystem Stability, Vol. IV-B* (pp. 497–506). Jerusalem, Israel: ISEEQS Publ.
3. **Goldman, D.**, Yawetz, A., Stegeman, J.J. & Woodin. B. (1992). The effect of PCB on the induction of Cytochrome P-450 enzyme, detected by monoclonal antibody against the P450IAI gene products, in barn owl and marsh turtle hepatic microsomes. In: A. Gasith, A. Adin and Y. Steinberger (Eds.), *Environmental Quality and Ecosystem Stability, Vol. V/B* (pp. 627–634). Jerusalem, Israel: ISEEQS Publ. [see section D paper 4]
4. **Goldman, D.**, Yavetz, B. & Pe'er, S. (2010). Evaluating the development of environmental literacy in pre-service teachers. In: G. Çakmakci and M.F. Taşar (Eds), *Contemporary Science Education Research: Scientific Literacy and Social Aspects of Science* (pp. 197 – 206). Ankara, Turkey: Pegem Akademi.  
Authors: Equal contribution as first authors.
5. Yavetz, B., **Goldman, D.**, & Pe'er, S. (2010). How do pre-service teachers in Israel perceive the concept 'environment'? In: G. Çakmakci and M.F. Taşar (Eds), *Contemporary Science Education Research: Scientific Literacy and Social Aspects of Science* (pp. 191 – 196). Ankara, Turkey: Pegem Akademi. [see section D papers 9, 13]

Authors: Equal contribution as first author.

6. **Goldman, D.**, Ben Zvi Assaraf, O. and Shaarbaani, D. (2012). Influence of a non-formal environmental education program (Green Council program) on pupils' environmental literacy. In: C. Bruguière, A. Tiberghien and P. Clément (Eds.). *E-Book Proceedings of the ESERA 2011 Conference: Science learning and Citizenship*. Part 8: Environmental health and Informal-Outdoor Science education. M. Ossevoort and G. Carvalho (Co-eds), pp. 69-74. Lyon, France: European Science Education Research Association. ISBN: 978-9963-700-44-8. [see section D paper 12]

Authors: Goldman and Ben Zvi Assaraf authored this paper with equal contribution

7. Dagan, O., Ragonis, N., Wagner, T., and **Goldman, D.** (2019). Integrative STEM Education - A New M.Ed. Program: Development, Objectives, and Challenges. In *Proceedings of Pupils Attitudes Toward Technology - PATT 37 - Developing a knowledge economy through technology and engineering education*, p. 125-132. Msida, Malta, 03-06, June 2019.  
<https://www.iteea.org/File.aspx?id=157700&v=e94e5d51>
- 8.\* Sarid, A., & Goldman, D. (2022). Education for environmental citizenship: A Master's course incorporating international collaboration. *Environmental Science Proceedings*, 14(1), 20; <https://doi.org/10.3390/envirosciproc2022014020>
- 9.\* Boeve-de Pauw, J., Telešienė, A., Goldman, D., & Hansmann, R. (2022). The impact of a general elective course on sustainability on the environmental citizenship of undergraduate students. *Environmental Science Proceedings*, 14(1), 19; <https://doi.org/10.3390/envirosciproc2022014019>

### **Non-Peer Reviewed Proceedings, Published**

1. Potchter, O., **Goldman, D.**, Kadish, D., Iluz, D. & Yaakov, Y. (2006). Seasonal behavior of a manmade oasis in an extremely hot, dry climate. *Proceedings of the 6<sup>th</sup> International Conference on Urban Climate*, Goteberg, Sweden, pp. 258-261.
2. Yavetz, B., **Goldman, D.** & Pe'er, S. (2007). Environmental literacy of beginner teacher - training students, Israel. *Proceedings of the 34<sup>th</sup> Annual Conference of the North American Association for Environmental Education: 'Sustainability and EE- Focus on the Future'*. Albuquerque, New Mexico.
3. Pe'er, S., **Goldman, D.** & Yavetz, B. (2008). Relationship between environmental literacy and background characteristics of teacher-training students – implications for training programs. *Proceedings of the 2008 National Association of Research in Science Teaching (NARST) Annual International Conference: 'Impact of Science Research on Public Policy'*, Baltimore, Maryland.
4. **Goldman, D.**, Yavetz, B. & Pe'er, S. (2010). Student teachers' conceptions of environment and its relevance to their area of teaching: how are these influenced by studies? Implications

for teacher training programs. *Proceedings of the 2010 NARST Annual International Conference*, Philadelphia, PA.

5. Goldman, D., Ben-Zvi Assaraf, O., & Drenik, Y. (2012). "Human Nature": Chemical Engineering University Students' Attitudes about Human Relationships with the Natural World. *Proceedings of the 2012 NARST Annual International Conference*, Indianapolis, IN, March 25-28. [see section D paper 14]

G. Not relevant

## **H. Other Scientific Publications**

### **Scientific Research Reports** (Published)

1. Potchter, O., **Goldman, D.**, Kadish, D., & Iluz, D. (2005). *Development of the Oasis Effect in Arid Regions in Israel as a Result of Developing Agriculture and Vegetated Areas*. Beit Berl Academic College, Research Unit. [Hebrew]
2. Pe'er, S., Yavetz, B., & **Goldman, D.** (2006). *Environmental Literacy in Teacher Training: Characterizing Students who Designate Themselves to Teaching*. The Mofet Institute - Research, Curriculum and Program Development for Teacher Educators, The School of Professional Development, Research and Development for Teacher Educators, The Research Authority. [Hebrew]
3. **Goldman, D.**, Pe'er, S., & Yavetz, B. (2008). *Environmental Literacy in Teacher Training: Comparison between Students at the Beginning and Towards the End of Their Studies*. The Mofet Institute - Research, Curriculum and Program Development for Teacher Educators, The School of Professional Development, Research and Development for Teacher Educators, The Research Authority. [Hebrew]
4. Kadish, D., Potchter, O., **Goldman, D.**, & Iluz, D. (2009). *Development of the Oasis Effect in the Desert Region in Israel as a Result of Developing Agriculture and Vegetated Areas – Integrating Student Teachers in a Field Study*. The Mofet Institute - Research, Curriculum and Program Development for Teacher Educators, The School of Professional Development, Research and Development for Teacher Educators, The Research Authority. [Hebrew]
5. Yavetz, B., **Goldman, D.**, Pe'er, S. (2011). *Environmental Education in Youth Movements- A survey of Environmental Awareness and Willingness for Environmental Action, and Recommendations for Incorporating the Environment into these Organizations*. The Ministry for Environmental Protection, Chief Scientist (Research no. 8-202). [Hebrew]
6. Paldi, Y., Paldi, A. & **Goldman, D.** (2013). *Evaluation of the Activity Educational Division of Ramat Hanadiv – Final Integrative Report*. Tovanot, Organizational evaluation, planning and consulting. [Hebrew]
7. Pe'er, S., **Goldman, D.**, & Yavetz, B. (2013). *Education for Sustainability in Pedagogue Instruction in Academic Colleges of Education – Between Vision and Reality*. The Mofet Institute - Research, Curriculum and Program Development for Teacher Educators, The

School of Professional Development, Research and Development for Teacher Educators, The Research Authority. [Hebrew]

8. \***Goldman, D.** (2019). SWOT analysis of education for environmental citizenship – Short Israeli report. pp. 163-176, In: Hadjichambis, A.Ch., Reis, P., & Paraskeva-Hadjichambi, D. (Eds.) *European SWOT Analysis on Educations for Environmental Citizenship: ENEC Cost Action Report*. Lisbon: Institute of Education – University of Lisbon, Cyprus Centre for Environmental Research and Education & European Network for Environmental Citizenship – ENEC Cost Action.
9. Dori, J., Tal, T., **Goldman, D.**, Sarid, A., Lavie-Alon, N., Hotner-Schwartz, G., and Raphael, A. (2019). *Alternative certification teachers' education programs: Characteristics of graduate`s integration into the school system*. Chief Scientist, The Ministry of Education, Israel (Research No. 3-13749).

<https://edu.gov.il/sites/ChiefScientist/ongoingresearches/ongoingresearches/Pages/preservice.aspx>

#### **Position Papers** (Published)

1. **Goldman, D.**, Shwartz, E., Peled, A., Dunetz, D., Chen, D., Gavrieli, S., & Grossman, S. (2003). *Policy Regarding Environmental Education in Israel – The Status of Environmental Education and Towards a New Vision – Position Paper*. Israel: The Council for Environmental Quality. [Hebrew]
2. Ayalon, O., Baum, D., **Goldman, D.**, Gan, D., Greenblum, D., Dunetz, D., Haier, I., Tal, T., & Morag, O. (2004). Principles for Environmental Education in Israel. In: T. Tal [Ed.] *National Priorities in the Field of Environment in Israel, National Priorities in the Field of Environment in Israel, Vol. A – Environmental Education in Israel* (pp. 98-104). The Technion- Israel Institute of Technology, Samuel Neaman Institute for National Policy Research. [Hebrew]
3. **Goldman, D.** (2004). Training teachers for Environmental Education – State of the Art. In: T. Tal [Ed.] *National Priorities in the Field of Environment in Israel, National Priorities in the Field of Environment in Israel, Vol. A – Environmental Education in Israel* (pp. 92-97). The Technion- Israel Institute of Technology, Samuel Neaman Institute for National Policy Research. [Hebrew]

#### **I. Other Publications** (Non peer reviewed academic publications connected to my field)

1. **Goldman, D.** (1995). *Urban Environment –Human Environment*. Tel Aviv: The Council for a Beautiful Israel. [Hebrew]
2. **Goldman, D.**, (1995). Ecology and environmental quality studies at the Council for a Beautiful Israel Educational Center. *The Biology Teachers Newsletter*, 142, 123-132. [Hebrew]

3. **Goldman, D.** (1999). Environmental education in the educational system: Scientific and educational aspects. *State of Affairs (Matzav Ha-Inyanim), Beit Berl Academic College Journal, 13*, 6-7. [Hebrew].
4. **Goldman, D.** & Kadish, D. (2001). Agriculture and the environment – Their affinity and implications for education. In: **D. Goldman** [Ed.] *Abstract Book of the 2<sup>nd</sup> Annual Conference on Environmental Education*, (pp. 5-8), Kfar Saba, 11-12, April.
5. **Goldman, D.** (2001). “Greening Beit Berl” – Its process and educating for sustainability in the campus. In: L D. Levi [Ed.], *Environmental Fellows* (pp. 16-22), Tel Aviv: The Heschel Center for Sustainability and Environmental Leadership. [Hebrew]
6. **Goldman, D.** and Kadish, D. (2003). Water in Israel – implications for education. *State of Affairs (Matzav Ha-Inyanim), Beit Berl Academic College Journal, 19*, 14-16. [Hebrew.]
7. **Goldman, D.** (2007). *Greening the Campus – Implementing sustainability at Beit Berl Academic College*. Beit Berl Academic College.
8. **Goldman, D.**, and Kadish. D. (2011). Educational community gardens as sites for developing environmental-educational leadership. *The Mofet Institute Journal for Research, Writing and Professional Development in Teacher Training, 45*, 38-43. [Hebrew]
9. Pe’er. S., **Goldman, D.**, & Yavetz, B. (2011). Environmental literacy of student teachers – Insights from a longitudinal study. *The Mofet Institute Journal for Research, Writing and Professional Development in Teacher Training, 45*, 44-47. [Hebrew]

**J. Other Works Connected to my Scholarly field** (Development of educational resources)

1. Goldman, D., Horesh, Y., Sdeh-Chen, H., & Pomerantz, I. (2006). *Recycling – What’s the Story? A Program for Developing Environmental Citizenship for Coping with Solid Waste*. Beit Berl Academic College, The Center for Environmental Literacy and The Center for Educational Development, Teaching and evaluation. [Hebrew]