Dalit Levy

CURRICULUM VITAE

Date: October 1, 2020

1. Personal Details

Permanent Home Address: 8 Ben Zvi st., Kiryat Tivon, Israel

Home Telephone Number: 04-9835686

Cellular Phone: 052-8599944

Electronic Address: levy.dalit@gmail.com

2. Higher Education

a. Undergraduate and Graduate Studies

Period of Study	Name of Institution and Department	Degree	Year of Approval of Degree
1981-1985	**Haifa University**, Department of Math & Physics at Oranim School of Education	B.Sc. in Mathematics and Physics Education+ Teaching Certificate	1985
	Haifa University, Department of Math & Physics at Oranim School of Education	Teaching Certificate in Computer Science	1990
1986-1991	**Technion - Israel Institute of Technology**, Dep. of Education in Technology and Science	M.Sc. in Computer Science Education	1991
1996-2001	**Technion - Israel Institute of Technology**, Dep. of Education in Technology and Science	Ph.D. in Computer Science Education	2001

b. Post-Doctoral Studies

Period of Study	Name of Institution, Department and Host	Degree	Year of Completion
2004-2007	**UC Berkeley**, School of Education: TELS project (Technology Enhanced Learning in Science), PIs: Prof. Marcia Linn & Dr. Robert Tinker	Postdoctoral Fellow	2007
2010-2012	**Mofet Institute**, Specialization in Academic Management, led by Prof. Jakob Kedem	Certificate in Academic Management	2012
2017-2019	**Mofet Institute**, Specialization in Teaching and Training in Higher Education, led by Dr. Nurit Dvir and Dr. Betty Tousia Cohen	Certificate in Higher Education Teaching	2019

3. Academic Ranks and Tenure in Institutes of Higher Education

Dates	Name of Institution and Department	Rank/Position
1997-2004	**Technion - Israel Institute of Technology**, Dep. of Education in Technology and Science	Adjunct Lecturer

2001-2004	**Haifa University,** Faculty of Education, Dep. of Teaching and Teacher Education	Ph.D. Teacher
2004-2007	**UC Berkeley**, School of Education: TELS project, PI: Prof. Marcia Linn	Postdoctoral Fellow
2008-2010	**Kibbutzim College of Education, Technology and the Arts,** Department of Computers and Information Technology	Ph.D. Teacher
2007-2014	**Holon Institute of Technology,** Dep. of Learning Technologies	Adjunct Lecturer
2011-2013	**Zefat Academic College,** Department of Community Information Systems	Lecturer
2011-current	**Kibbutzim College of Education, Technology and the Arts,** M.Ed. in Educational Technology & M.Ed. in Educational Leadership	Ph.D. Teacher (42%)
2014-current	**Zefat Academic College,** Department of Community Information Systems	Senior Lecturer

4. **Offices in Academic Administration**

Dates	Name of Institution and Department	Position
2008-2010	**Kibbutzim College of Education, Technology and the Arts,** Department of Computers and Information Technology	Acting Head
2011-2019	**Zefat Academic College,** Department of Community Information Systems	Department Head

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

a. **Membership in Committees and Projects**

Dates	Name of Institution and Department	Position
1989-1999	**Technion - Israel Institute of Technology,** Dep. of Education in Technology and Science, Migvan – R&D in Computer Science Education	Curricular Project Leader
1999-2004	**Technion - Israel Institute of Technology,** Dep. of Education in Technology and Science, National Computer Science Teachers' Center	Senior Member and Journal Editor
2010-2013	**Ministry of Education,** Computer Science Curriculum for Middle Schools	National Committee Member
2012-2013	**Technion - Israel Institute of Technology,** Dep. of Education in Technology and Science, Teachers' Professional Development for 7-9 levels	Course Development and Leader
2018-current	**ILAIS – Israeli chapter of the Association of Information Systems**	Treasurer

b. **Reviewer**

Dates	Name of Journal or Conference
2001-current	Computer Science Education http://www.tandf.co.uk/journals/ncse
2009-current	Journal of Science Education and Technology http://www.editorialmanager.com/jost/default.asp
2016	International Journal of E-Planning Research (IJEPR) http://www.igi-global.com/ijepr
2016	**Education Circles** – David Yalin College

2011-2020	**CSCL** – Computer Supported Collaborative Learning Conference	
2012-2014	**FIE** – Frontiers in Education Conference	
2013-2017	**SIGCSE** – Special Interest Group on Computer Science Education, ACM	
2013-2016	**ICACCI** – International Conference on Advances in Computing, Communications and Informatics (IEEE)	
2017	**PLOS-One**	
2013-2020	**SITE-AACE** – The Society for Information Technology and Teacher Education Conference	

6. **Participation in Scholarly Conferences**

a. **Active Participation (last years)**

Israeli conferences (* after receiving the Senior Lecturer rank)

Date	Name of Conference	Place of Conference	Subject of Lecture/Discussion	Role
June, 2011	9th Meital Conference	Tel Aviv University	MOOC – Massive Online Open Courses in Israel	Lecturer
July, 2013	The 6th International Conference on Teacher Education	Tel Aviv, Mofet Institute	cMOOCs in teacher education, in a symposium "The MOOC and Teacher Education Colleges in Israel"	Symposium Participant
July, 2013	The 6th International Conference on Teacher Education	Jerusalem, David Yalin College	Amid Old and New: Implementing PBL in the Middle School.	Lecturer
July, 2013	The 6th International Conference on Teacher Education	Jerusalem, David Yalin College	Pedagogical innovation: From semantics to ideology	Lecturer
February, 2013	The 9th Chais conference for the study of educational technologies	Raanana, The Open University	Touch Screen Technologies and the 3rd Age: Aging 2.0 Model	Poster Co-Presenter
May, 2014	INFO 2014 - The 29th Annual Conference	Tel Aviv	MOOC as an Innovative Pedagogy	**Invited Lecturer**
June, 2014	The 8th ILAIS Event – Israeli Association of Information Systems	Tel Aviv, Jaffa Tel-Aviv College	Information Systems Students Learn to Program by Design	Lecturer
(*) January, 2016	The 1st conference for M.Ed projects in Colleges of Education	Tel Aviv, Mofet Institute	Touch Screen Technologies and the 3rd Age	Co-Presenter
(*) February, 2017	The 12th Chais conference for the study of educational technologies	Raanana, The Open University	Teacher - Student Relationships in Online Courses	Poster Co-Presenter
(*) June, 2017	The 10th MEITAL conference	Haifa University	Teacher - Student Relationships in Online Courses	Co-Presenter

(*) May, 2018	Galilee Research Center Meeting	Zefat Academic College	Place – Discover, Imagine, Modify: Place-Based Activity with the Community	Co-Presenter
(*) July, 2018	The annual conference for creativity in teaching	Oranim College of Education	Mobile Place-Based Learning	Co-Presenter
(*) June, 2019	The 13th International Conference on Teacher Education	Tel Aviv, Mofet Institute	Pedagogical Innovation through the Eyes of Teacher Educators	Lecturer
(*) June, 2020	The 14th ILAIS Event – Israeli Association of Information Systems	Tel Aviv, Ramat Gan Academic College	Zoom in, Zoom Out: Perspectives on Remote Learning under COVID-19 and Beyond	Panel member

International Conferences (last years)

Date	Name of Conference	Place of Conference	Subject of Lecture/Discussion	Role
April, 2009	The annual meeting of the National Association of Research in Science and Technology (NARST)	Garden Grove, CA, USA	Dynamic Assessment Tools for Dynamic Constructs: The Case of Molecular Reasoning	Lecturer
September, 2010	The 5th Mediterranean Conference on Information Systems – MCIS 2010	Tel Aviv, Israel	Information Systems Curriculum Goes Social: An Israeli Proposal for Undergraduate Curriculum in Community Information Systems	Lecturer
July, 2011	Emerging Technologies for Online Learning Symposium (ET4Online), Sloan Consortium	San Jose, CA, USA	Lessons Learned from Participating in a Connectivist Massive Online Open Course.	Lecturer
June, 2012	New Media Consortium (NMC) Summer Conference	Boston, MA, USA	Issues in developing a Massive Open Online Course (MOOC) for non-English speakers	Lecturer
September, 2012	The 7th Mediterranean Conference on Information Systems – MCIS 2012	Guimaraes, Portugal	'Program by Design' as part of a new major in community information systems.	Lecturer
March, 2013	SITE 2013 – 24th international conference of the Society for	New Orleans, LA, USA	Computer Science Education as Part of an Undergraduate	Lecturer

	Information Technology and Teacher Education		Program in Community Information Systems	
November, 2013	The 10th Open Education Conference	Park City, UT, USA	Openness in Three Acts: A Narrative Inquiry into Teacher Educators' Conceptions of MOOC.	Lecturer
April, 2014	International Conference on Higher Education 2014 (ICHE2014),	Tel Aviv, Israel	How do Teacher Educators Relate the Term "Pedagogical Innovation" to their Use of Educational Technology	Lecturer

International Conferences (after receiving the Senior Lecturer rank)

Date	Name of Conference	Place of Conference	Subject of Lecture/Discussion	Role
(*) January, 2015	HETL-SoTE Utah Conference	Orem, UT, USA	The B.A. Program in Community Information Systems as a Bridge between the Ultra-Orthodox Community and the Start Up Nation	Lecturer
(*) March, 2015	SITE 2015 - 26th international conference of the Society for Information Technology and Teacher Education	Las Vegas, NV, USA	"Who am I?" Multicultural Encounters through New Media Enhanced Narratives	Lecturer
(*) October, 2015	dLRN15 Conference: Making Sense of Higher Education: Networks & Change	Stanford, CA, USA	Pedagogical Innovation: From Semantics to Ideology	Lecturer
(*) October, 2015	E-Learn 2015	Cona, Hawaii, USA	Collaboration and New Media Enhanced Narratives	Lecturer
(*) October, 2015	World Congress on Education (WCE-2015).	Dublin, Ireland	Tablets use by Older Adults	Online Lecturer
(*) March, 2016	IMCIC16: the 7th International Multi-Conference on Complexity, Informatics and Cybernetics	Orlando, FL, USA	The B.A. Program in Community Information Systems as a Bridge between the Ultra-Orthodox and the High-Tech Communities of Practice	Invited Presentation
(*) March, 2016	IMCIC16: the 7th International Multi-Conference on Complexity, Informatics and Cybernetics	Orlando, FL, USA	Keeping in Touch: Tablets use by Older Adults	Lecturer

(*) January, 2017	EQRC: Ethnographic and Qualitative Research Conference	Las Vegas, NV, USA	Keeping in Touch: Tablets Use by Older Adults	Lecturer
(*) March, 2017	SITE 2017 - 28th international conference of the Society for Information Technology and Teacher Education	Austin, TX, USA	"I'm Truly Amazed": High School Teachers Describe Their Experience with Technology-Enhanced PBL	Lecturer
(*) March, 2017	SITE 2017 - 28th international conference of the Society for Information Technology and Teacher Education	Austin, TX, USA	Collaborative Conceptual Change in the Computer Science Classroom – Panel on "Online Collaborative Learning: A Global Prospective"	Panel Member
(*) July, 2017	EDULEARN17 - The 8th annual International Conference on Education and New Learning Technologies	Barcelona, Spain	Teacher-Student Relationships in Online Courses	Lecturer
(*) July, 2017	EDULEARN17 - The 8th annual International Conference on Education and New Learning Technologies	Barcelona, Spain	Teachers' Attitudes towards Integrating Interactive Games in Elementary Math Classes	Lecturer
(*) July, 2017	PCMI – Undergraduate Faculty Program: Random Matrices	Park City, UT		Participant
(*) October 2017	E-Learn 2017	Vancouver, Canada	What are the Unique Characteristics of Integrating Mobile Applications in Learning?	Co-presenter
(*) February, 2018	EQRC 2018 - Ethnographic and Qualitative Research Conference	Las Vegas, NV	"I was among the first in my college to design virtual courses": Pedagogical Innovation through the Eyes of Teacher Educators.	Lecturer
(*) February, 2018	2nd Annual Conference on Academic Research in Education (CARE)	Las Vegas, NV	Multi-cultural Encounters through New-Media Enhanced Narratives	Lecturer
(*) June, 2018	AIS 2018 The 34th Annual Meeting of the Association for Israel Studies	Berkeley, CA	The B.A. Program in Community Information Systems as a Bridge between the Ultra-Orthodox and the Startup Nation	Lecturer
(*) July, 2018	PCMI – Undergraduate Faculty Program: Harmonic Analysis	Park City, UT		Participant
(*) July, 2018	HCI 2018 20th International Conference on Human-Computer Interaction	Las Vegas, NV	Unique Features of Mobile Applications for Learning	Lecturer
(*) July, 2018	HCI 2018 20th International Conference on Human-Computer Interaction	Las Vegas, NV	Keeping in Touch: Tablets Use by Older Adults	Invited lecture

(*) October, 2018	16th CIRN conference - Community Informatics Research Network	Prato, Italy	Community Information Systems as a Bridge between the Ultra-Orthodox and the Startup Nation	Lecturer
(*) February, 2019	IHSI 2019 - 2nd international conference on intelligent human systems integration	San Diego, CA	Discover, Imagine, Change: Community Place-based Activities using Unique Mobile Apps	Lecturer
(*) March, 2019	SITE 2019 - 30th international conference of the Society for Information Technology and Teacher Education	Las Vegas, NV	1.Pedagogical Innovation through the Eyes of Teacher Educators 2.Online Collaborative Learning in a Global World	Lecturer + Panel member
(*) April, 2019	OLC Innovate 2019 (Online Learning Consortium)	Denver, CO	Community Place-Making using Unique Mobile Applications	Lecturer
(*) July, 2019	The 17th International Conference on Excellence, Gifted Education, Innovation, & Creativity in Basic-Higher Education & Psychology, The International Centre for Innovation in Education (ICIE)	Houston, TX	How do Teacher Educators from the Start Up Nation View Pedagogical Innovation?	Lecturer
(*) July, 2019	HCI 2019 21th International Conference on Human-Computer Interaction	Orlando, FL	Bridging between Jewish Ultra-Orthodox and the Start-up Nation: A Case Study	Lecturer
(*) July, 2019	HCI 2019 21th International Conference on Human-Computer Interaction	Orlando, FL	A Place to Discover, Imagine, and Change: Smart Learning with Local Places	Invited lecture
(*) November, 2019	17th CIRN conference - Community Informatics Research Network	Prato, Italy	Community Place-Making using Unique Mobile Applications: A Multiple Case Study	Lecturer
(*) February, 2020	4nd Annual Conference on Academic Research in Education (CARE)	Las Vegas, NV	Educational Innovation and Teachers' Professional Identity: A Proposed Typology	Lecturer
(*) February, 2020	the 32nd Annual Ethnographic & Qualitative Research Conference (EQRC)	Las Vegas, NV	Living in Smart Homes as Experienced by Digital Teachers	Lecturer
(*) April, 2020	The 13th International Conference on e-Learning & Innovative Pedagogies	Rhodes, Greece	Designing Place-based Learning Using Mobile App (accepted for presentation – cancelled event)	Lecturer
(*) July, 2020	HCI 2020 22th International Conference on Human-Computer Interaction	Copenhagen, Denmark	Towards an Ethnography of Smart living in the Periphery	Invited lecture **cancelled due to the pandemic**

b. Organization of Conferences or Sessions

Date	Name of Conference	Place of Conference	Subject of Conference	Role
2003, 2005	**Ohalo Manor seminars** on qualitative research method, with Mofet Institute	Ohalo Manor, Kinneret	1st seminar – Action Research 2nd seminar – Narrative Inquiry	Organizing Committee Member and Proceedings Editor
2004	**ICQM**	Tel Aviv	The 1st Israeli interdisciplinary conference for qualitative research methods	Member of the Scientific Committee, Session Organizer
2012	**ICQM**	Ben Gurion University	The 6th Israeli interdisciplinary conference for qualitative research methods	Member of the Scientific Committee
2014	**ILAIS**	Jaffa-Tel Aviv Academic College	The 8th ILAIS Event – Israeli Association of Information Systems	Member of the Organizing and the Scientific Committee
(*) 2018	**AIS**	Berkeley, CA	Education and Identity	Session Mediator
(*) 2019-2020	**ILAIS**	Tel Aviv University	The 13th and the 14th ILAIS Event – Israeli Association of Information Systems	Member of the Organizing and the Scientific Committee

7. Invited Lectures\ Colloquium Talks (recent)

Date	Place of Lecture	Name of Forum	Presentation Title
February, 2012	Technion, Faculty of Education for Technology and Science	Workshop for Teachers in level 7-9	"About Pedagogical Innovation"
March, 2013	Kibbutzim College of Education	The M.Ed. Program in Math Education	"How to prepare for an ethnographic interview"
(*) October, 2014	Kibbutzim College of Education	Invited keynote in a seminar for academic managers	"MOOC as an innovative pedagogy"
(*) February, 2015	Berkeley, CA, USA	TELS+WISE weekly Colloquium	"The program in CIS at Zefat Academic College"
(*) March, 2015	Kibbutzim College of Education	Women's week lecture	"Women in computer science"
(*) April, 2015	Kibbutzim College of Education	The M.Ed. Program in Educational Leadership	"Inductive Analysis: What it is and how to implement it"
(*) June, 2015	Mofet Institute, Tel Aviv	Teaching with ICT course	"MOOC as an innovative pedagogy"
(*) July, 2015	Zefat Academic College	Invited presentation at the annual meeting of the academic council	"The new BA program in CIS"

(*) November, 2015	Zefat Academic College	Invited lecture for the board of trustees	"What is Pedagogical Innovation and why it is important for our college"
(*) November, 2016	Jerusalem, The Hebrew University	Invited talk as part of a workshop on Digital Literacy and Innovative Technology for the Third Age	"Touch Screen Technologies and the 3rd Age: Aging 2.0 Model"

7. **Research Grants**

a. **Grants Awarded**

Role in Research	Co-Researchers	Topic	Funded by/ Amount	Year
PI		Ph.D Thesis writing fund	The Israeli Association for Research and Education Funds	2001
Researcher	PI: Prof. Hazzan	Women in Computer Science	Neeman Institute at the Technion	2004
PI		The potential of web-based technologies in colleges of education	Israeli Ministry of Absorption – Returning scientist grant	2009

8. **Teaching**

a. **Courses Taught in Recent Years**

Year	Name of Course	Type of Course	Degree	Number of Students each year
2010-2012	Advanced issues in computer science	Seminar	B.Ed	15
2011-2016	M.Ed. final project workshop	Workshop	M.Ed	35
2011-current	Introduction to qualitative research	Lecture	B.Ed	100
2008-current	Qualitative research methods	Lecture	M.Ed	75
2011-2016	Introduction to computer science	Lecture+Lab	B.A.	20
2012-2016	Introduction to computer science for Math teachers	Lecture+Lab	M.Ed.	20
2013-2020	Mathematics for all	Lecture	B.A.	20
2013-2018	Introduction to Mathematical Logic; Calculus I	Lecture	B.A.	15
2012-current	E-Learning in the knowledge age	Blended learning Workshop	B.A.	20
2015-2018	Data Structures	Lecture	B.A.	15
2016-2019	Israel – the Start Up nation	Excursions-based course	B.A.	25
2017-2019	Social Media – characteristics and applications	Lecture + Workshop	B.A.	25
2019-2020	Innovative Learning Environments	Online Leaning	B.A., B.Ed	25
2019-current	Health Information Systems	Lecture	M.A.	20

2020-	Calculus I; Discrete Mathematics	Lecture	B.A.	20
2020-	Introduction to Computer Science in Python	Lecture+Lab	B.A.	30

b. Supervision of Graduate Students (since receiving the Senior Lecturer rank**)**

Name of Student	Title of Thesis	Degree	Date of Completion	Students' Achievements
H. Persman	Investigating "ADAMA" farm as an innovative educational initiative	M.Ed	2014	
B. Cohen	Visualization techniques in Math teaching	M.Ed	2014	
I. Ovadia	Hospitalized children and medical clowns	M.Ed	2015	
O. Dor	PBL with i-Pads in the high school	M.Ed	2015	Cum Laude
L. Sagron	SheCode- Encouraging female students into computer science	M.Ed	2015	
A. Galeb	Technology enhanced math education in Arab elementary schools	M.Ed	2015	
N. Romano	High tech academics turn into Math teachers	M.Ed	2015	Cum laude
R. Shachar	Math anxiety in the elementary school	M.Ed	2015	
J. Paz Buganim	Gender differences with regard to beliefs towards Mathematics	M.Ed	2015	
S. Kazaco	Empathy among teachers and principals	M.Ed	2016	
A. Abramov	Learning Math through interactive computerized games in first grade	M.Ed	2016	
H. Yakubuv	Learner-teacher interaction in online courses	M.Ed	2016	Cum Laude
A. Tarkin	Robotics education for students from Ethiopia	M.Ed	2018	
E. Elisha	Dance programs in the school through the eyes of the participants	M.Ed	2018	
S. Shtern	Pedagogical innovation among elementary school teachers	M.Ed	2019	
K. Ezrathy	The ministry of education's building and its influence on visitors' sense of belonging	M.Ed	In progress	

9. **Professional Experience** (after receiving Ph.D)

Dates	Role	Organization
2001-2005	Project head – TEVEL curriculum and software development (high school CS)	MALAM – National center for science education
2002-2006	Website developer and book editor	Ohalo-Manor seminars on qualitative research methods
2008	Project head - Computerized testing in science	CET – Center of Educational Technology
2006-2008	Translating MicroWorlds simulation-based environment into Hebrew	The Concord Consortium
2008-2010	Lead the development of a novel B.A. program in Community Information Systems	Zefat Academic College
2012-2013	Academic leader of professional development for levels 7-9 teachers	Technion – Faculty of Education in Science and Technology
2010-2014	Researcher in the Pedagogical Innovation network	Mofet Institute
2015-2016	Member - VSUSI project: Virtual Start-Up Schools and Internships: bridging STEM education and enterprise	Mofet Institute and the European Union
2017 2018	Undergraduate Faculty Program: Random Matrices, Harmonic Analysis	IAS Park City Mathematic Institute
2019-2020	Member - TEC center (Technology, Education and Cultural diversity)	Mofet Institute
2020	CS teachers' PD workshop: Machine Learning	Technion – Israel Institute of Technology

PUBLICATIONS

A. Ph.D. Dissertation

Levy, D. (2001). *Development of computer science concepts through classification and generalization* (205 pages, Hebrew). Supervisor: Prof. Uri Leron. Submitted to the Department of Education in Science and Technology, Technion – Israel Institute of Technology. Approved June 2001.

B. Scientific Books (Refereed)

Edited Books and Special Journal Issues – Published

1. **D. Levy** (ed.) (2006), *Action Research: Theory and Practice*. Tel Aviv: Klil, Mofet Institute (358 pages, Hebrew).

C. Other Scientific Publications:

Published

1. Lapidot T., **Levy D.** & Paz T. (2000). *Functional Programming for High School Students*. Book 1, 2 for students + Book 1,2 for teachers (250 pages). Migvan – R&D in CS teaching, Technion – Israel Institute of Technology. [Hebrew]

2. **Levy, D.** & Lapidot, T. (2001). *Introduction to Computer-Science via LOGO*. Book 1, 2 for students + guide for teachers (300 pages). Migvan – R&D in CS teaching, Technion – Israel Institute of Technology. [Hebrew]

3. **Levy, D.,** Har-Zion, Y., Israeli, S., Levitan, Y., & Shafriri, Y. (2003). *First unit of Computer Science – Tevel. Book 1,2 for students* (250 pages). Migvan – R&D in CS teaching, Technion – Israel Institute of Technology and MALAM–Israeli center for science education. [Hebrew]

4. **Levy, D.**, Har-Zion, Y. & Israeli, S. (2003). *First unit of Computer Science – Tevel. Teacher guide* (240 pages). Migvan–R&D in CS teaching, Technion – Israel Institute of Technology and MALAM–Israeli center for science education. [Hebrew]

D. Articles in Refereed Journals (* after receiving the Senior Lecturer rank)

Published

1. **Levy D.** (2001). Insights and Conflicts in Discussing Recursion: A Case Study. *Computer Science Education 11(4).* **[IF 0.932]**
2. **Levy D.** (2002). Collaborative conceptual change: The case of recursion. *Journal of Intelligent Systems 12 (2).*
3. Paz, T., & **Levy, D**. (2005). Introducing computer science to educationally disadvantaged high school students. *Research in Science and Technological Education*, 23(2). **[IF 0.743]**
4. Hazzan, O., **Levy, D**. & Tal, A. (2005). Electricity in the Palm of Her Hands: High school distinguished female students' perception of Electrical Engineering. *IEEE Transactions on Education*, 48(3). **[IF 1.33]**
5. **Levy, D.** (2012). Lessons Learned from Participating in a Connectivist Massive Online Open Course. *Gadish 13*, 191-200 [Hebrew].
6. **Levy, D.** (2013). How Dynamic Visualization Technology Can Support Molecular Reasoning. *The Journal of Science Education and Technology* 22(5), 702-717. **[IF 1.124]**
7. (*) **Levy, D.** (2014). Two Types of MOOCs: An Overview. <u>Adult Education in Israel</u> 13, 106-117.
8. (*) **Levy, D.**, & Schrire, S. (2015). Developing a Massive Open Online Course (MOOC) at a College of Education: Narrative of Disruptive Innovation? *Current Issues in Emerging eLearning (CIEE)*, Vol. 2: Iss. 1, Article 8.
9. (*) **Levy, D.** & Simonovsky, E. (2016). Keeping in Touch: Tablets Use by Older Adults. *International Journal for Infonomics*, Volume 9, Issue 1, 1122-1130.
10. (*) Yousef, M., Nigatu, D., **Levy, D**., Allmer, J., & Henkel, W. (2017). Categorization of Species based on their MicroRNAs Employing Sequence Motifs, Information-Theoretic Sequence Feature Extraction, and k-mers. *EURASIP Journal on Advances in Signal Processing*. 2017: 70. DOI: 10.1186/s13634-017-0506-8 **[IF 1.639]**
11. (*) Shafriri, Y. & **Levy, D.** (2018). What are the Unique Characteristics of Integrating Mobile Applications in Learning? *Journal of Interactive Learning Research (JILR)* 29(3), pp. 271-299. https://www.learntechlib.org/primary/p/184755/.
12. (*) **Levy, D**. (2019). How do teacher educators from the 'Startup Nation' view pedagogical innovation? *International Journal of Talent Development and Creativity (IJTDC)* 7(1,2), pp. 29-38. http://www.ijtdc.net/index.php/e-copies/ijtdc-7-1-2-2019

E. Articles or Chapters in Scientific Books (which are not Conference Proceedings)

Published

1. **Levy, D**. & Medzinski, S. (2006). From a duet to a choir: An action research on the contribution of an electronic discussion group to conceptual change. In **D. Levy** (ed.) (2006), *Action Research: Theory and Practice*. Mofet Institute, pp 119-140 [Hebrew].

2. Hazzan, O. & **Levy, D.** (2006). Women, hi-tech and the family-career conflict. In E. M. Trauth (ed.), *The Encyclopedia on Gender and Information Technology*. Hershie, PA: Idea Group Publishing.

3. Hazzan, O. & **Levy, D.** (2006). ACM attention to the issue of women in IT. In E. M. Trauth (ed.), *The Encyclopedia on Gender and Information Technology*. Hershie, PA: Idea Group Publishing.

4. (*) **Levy, D.** (2015). Dynamic Visualizations in the Classroom: The Case of Phase Change. In N. L. Yates (ed.), *New Developments in Science Education Research*. NY: Nova Science Publishers. pp. 151-170.

5. (*) **Levy, D.** & Baratz, L. (2016). Tales of Pedagogical Innovation in the Knowledge Age. In Y. Poyas (Ed.), *Teacher Education in the Maze of Pedagogical Innovation*. Tel Aviv: MOFET Institute, pp 45-74 [Hebrew]

6. (*) Baratz, L. and **Levy, D.** (2016). Pedagogical Innovation between Semantics and Ideology. In Y. Poyas (Ed.), *Teacher Education in the Maze of Pedagogical Innovation*. Tel Aviv: MOFET Institute, pp 25-44 [Hebrew]

7. (*) Tawill, E. & **Levy, D.** (2017). Advances in elementary school learning and teaching using the open source Moodle system: A case study. In R. Wadmany (Ed.), *Digital Pedagogy: From Theory to Practice*. Tel Aviv: MOFET Institute and the Kibbutzim College of Education, pp 41-72 [Hebrew].

8. (*) **Levy, D**. & Schrire, S. (2018). Teaching and Learning in MOOCs. In R. Wadmany (Ed.), *Digital Pedagogy: Opportunities for Different Learning*. Tel Aviv: MOFET Institute and the Kibbutzim College of Education, pp 217-237 [Hebrew].

9. (*) Schrire, S. & **Levy, D.** (2018). Narratives of Disruptive Innovation. In R. Wadmany (Ed.), *Digital Pedagogy: Opportunities for Different Learning*. Tel Aviv: MOFET Institute and the Kibbutzim College of Education, pp 238-256 [Hebrew].

10. (*) **Levy, D.** (2018). Collaborative Conceptual Change in the Computer Science Classroom. In M. Schoenfeld & D. Griest (Eds.), *Collaborative Learning in a Global World*. pp 139-154. Charlotte, NC: IAP – Information Age Publishing.

11. (*) **Levy, D.** & Simonovsky, E. (2018). Keeping in Touch: Mobile Apps Use by Older Adults. In J. Zhou and G. Salvendy (Eds.): *Human Aspects of IT for the Aged Population. Acceptance, Communication and Participation*. ITAP 2018, Lecture Notes in Computer Science (LNCS) 10926, pp. 95–107. DOI: 10.1007/978-3-319-92034-4_8

12. (*) Shafriri, Y. & Levy, D. (2018). Unique Features of Mobile Applications for Learning. In P. Zaphiris and A. Ioannou (Eds.): *Learning and Collaboration Technologies. Learning and Teaching*. LCT 2018, Lecture Notes in Computer Science (LNCS) 10925, pp. 376–390. DOI: 10.1007/978-3-319-91152-6_29

13. (*) **Levy, D**. (2019). Bridging Between Jewish Ultra-Orthodox and the Start-up Nation: A Case Study. In: Meiselwitz G. (eds) *Social Computing and Social Media. Design, Human Behavior and Analytics*. HCII 2019, Lecture Notes in Computer Science, vol 11578, pp. 524-534. Springer, Cham. DOI: 10.1007/978-3-030-21902-4_37

14. (*) **Levy D**., Shafriri Y., Alef Y. (2019) A Place to Discover, Imagine, and Change: Smart Learning with Local Places. In: Antona M., Stephanidis C. (eds) *Universal Access in Human-Computer Interaction. Theory, Methods and Tools*. HCII 2019. Lecture Notes in Computer Science, vol 11572, pp. 465-480. Springer, Cham. DOI: 10.1007/978-3-030-23560-4_34

F. Articles in Conference Proceedings (last years)

Published

1. **Levy, D.** (2011). Lessons Learned from Participating in a Connectivist Massive Online Open Course. Paper presented at *the Emerging*

Technologies for Online Learning Symposium (ET4Online), the Sloan Consortium, San Jose, CA.

2. Schrire, S. & **Levy, D**. (2012). Troubleshooting MOOCs: The Case of a Massive Open Online Course at a College of Education. In T. Amiel & B. Wilson (Eds.), Proceedings of *World Conference on Educational Multimedia, Hypermedia and Telecommunications- EdMedia* (pp. 761-766). Chesapeake, VA: AACE

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4. **Levy, D.** (2012). 'Program by Design' as part of a new major in community information systems. Proceedings of *the 7th Mediterranean Conference on Information Systems (MCIS 2012)*, Guimarães, Portugal.

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6. **Levy, D.** (2013). Computer Science Education as part of an undergraduate program in Community Information Systems. *The 5th World Conference on Educational Sciences*, Rome, Italy (February 5-8).

7. **Levy, D.** (2013). Computer Science Education as part of an undergraduate program in Community Information Systems. *SITE 2013 – 24th international conference of the Society for Information Technology and Teacher Education*, New Orleans, LA (March 28-31).

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26. **Levy, D**. (2010). Information Systems Curriculum Goes Social: An Israeli Proposal for Undergraduate Curriculum in Community Information Systems. *The 5th Mediterranean Conference on Information Systems – MCIS2010*, Tel Aviv, Israel.

27. Baratz, L. and **Levy, D**. (2013). How do Teacher Educators Relate the Term "Pedagogical Innovation" to their Use of Educational Technology. *EDULEARN13*, Barcelona, Spain (July 1-3).

28. Rachamim, S. and **Levy, D**. (2013). Amid Old and New: Implementing PBL in the Middle School. *The 6th International Conference on Teacher Education*, Jerusalem, Israel (July 2-3).

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40. (*) **Levy, D.** (2017). Collaborative Conceptual Change in the Computer Science Classroom. Paper presented as part of the panel on Online Collaborative Learning: A Global Prospective, *SITE 2017*, Austin, TX (Mar 5-9).

41. (*) Yakubov, H., & **Levy, D**. (2017). Teacher - Student Relationships in Online Courses. Paper presented at *the 15th Meital conference*, Haifa University, (June 26). [Hebrew].

42. (*) **Levy, D**., & Abramov, A. (2017). Teachers׳ Attitudes towards Integrating Interactive Games in Elementary Math Classes. *EDULEARN17*, Barcelona, Spain (July 3-6). (Abstract)

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52. (*) **Levy, D**. & Rahamim, S. (2020). Pedagogical Innovation and Teachers' Professional Identity: A Proposed Typology. *The Conference on Academic Research in Education (CARE)*, Las Vegas, NV, USA (Feb 24-25).

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G.   Other Scientific Publications

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3.   **Levy, D.** (2012). A Racket to Programming – Introduction to Computer Science in a New Way, *Naase Ve'Nishma*, Kibbutzim College of Education, Spring 2012 [Hebrew]

4.   **Levy, D.**, and Schrire, S. (2013). MOOC - What is it all about? *Naase Ve'Nishma*, Kibbutzim College of Education, Summer 2013 [Hebrew]

5.   **Levy, D.**, and Schrire, S. (2013). MOOC – Massive Open Online Course: What is the hype about? *Mofet Institute Bitaon 51*: 124-127 [Hebrew]

6.   Rahamim, S., and **Levy, D.** (2014). Training for meaningful teaching as a bridge between old and new. *Mofet Institute Bitaon 52*: 43-49 [Hebrew]

H.   Other Works Connected with my Scholarly Field

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2.   **Levy, D**., Har-zion, Y. & Israeli, S. (2003). *TEVEL – Introduction to computer science concepts via Microworlds* (Hebrew software), Migvan – research & development in computer science teaching, Technion – Israel Institute of Technology.

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