Tikva Ovadiya
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Curriculum Vitae- Tikva Ovadiya

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EDUCATION

1991	Teaching Certificate, Mathematics Education, Beit Yaakov Seminar, Haifa, Israel.
1998	**B.A.,** Mathematics Education, Oranim Academic college of Education, Tivon, Israel.
2003	**M.A.,** Mathematics Education, Haifa University.
2014	**Ph.D.,** Dept. of Education in Technology and Science, Technion Israel Institute of Technology.
2017-2018	**Post-doctoral**, Dept. of Education in Technology and Science, Technion Israel Institute of Technology. Advisor: Prof. Orit Hazzan. Topic: *Big data – data-driven education in STEM, Israel*.
2019-2021	**Post-doctoral,** Haifa University, Israel. Advisors: Prof. Anat Zohar, Dr. Tsafrir Goldberg, Topic: *Characterizing core practices in training teachers in Israel*.

ADDITIONAL COURSES

1999-2000	Certificate for teaching mathematic teachers, "Manor" program. Weitzman institute of Science, Rehovot, Israel.
2008-2012	MBA courses. Technion, Faculty of Industrial Engineering and Management, Haifa, Israel.
2014-2016	Member of Mendel leadership Institute, Jerusalem Israel.
2020-2021	Fellow in the "Alumot" Program – 2nd Cohort, Mofet Institute.
2021-2022	Fellow in the "Alumot" Program (national Israeli leadership program in the field of teacher education)– Second year, Mofet Institute.

ACADEMIC RANKS AND TENURE IN INSTITUTIONS OF HIGHER EDUCATION

2008-2021	**Oranim College, 64% Tenure.** Dept. of Mathematics Education, M.A. Program in Teaching Mathematics and Science and Expanding Accreditation of Academics in Special Education.
2021-2022	**Oranim College, 78% Tenure.** Dept. of Mathematics Education, M.A. Program in Teaching Mathematics

and Science (Elementary and Post Elementary) and Expanding Accreditation of Academics in Special Education.

Since 2022 **Oranim College, 85% Tenure.**
Dept. of Mathematics Education, M.ED. Program in Teaching Mathematics and Science (Elementary and Post Elementary) and the Retraining of Academics for Special Education.

1.5.2022 **Oranim College, Senior Lecturer**.
Dept. of Mathematics Education, B.ED. and M.ED. programs.

ACADEMIC TEACHING IN MATHEMATICS EDUCATION

2004-Date Lecturer, B.Ed. Programs, Oranim College of Education, Tivon, Israel.

2005-2009 Head of a program for expanding accreditation for teaching mathematics to students with learning disabilities (for mathematics teachers), Dept. of Advanced Studies, Oranim College of Education, Tivon, Israel.

2005-2006 Lecturer, Gordon College of Education, Haifa, Israel.

2007-date Lecturer, M.Ed. Programs, Oranim College of Education, Tivon, Israel.

2015-2021 Lecturer, Dept. of Science Education, M.Ed. program, Jerusalem College of Education, Jerusalem, Israel.

2015-2016 Academic Advisor on behalf of the Ministry of Education Experimental Division, "Margalit" Experimental High School, Jerusalem, Israel.

POSITIONS AND ACTIVITIES – EX-ACADEMIA

2019 Advisor for the advancement of STEM studies within the Ultra-Orthodox population, Center for Educational Technology (CET), Tel Aviv Israel.

2020 to Date Founder and director, Forum of Ultra-Orthodox Academic Researchers.

2020-2021 Chair, Committee for the Ninth Jerusalem Conference on Teaching Mathematics; Member, Organizing Committee for the 8th Jerusalem Conference on Teaching Mathematics Education (JCERME); Chair, 2021 conference.

2020-2021 Member, think tank for "Interdepartmental STEAM Education," Mofet Institute.

2020-2021 Member, think tank for "Practices for Teaching Mathematics as a Lever for Quality Teaching: A Revised Discussion on Training Teachers in the Present Era," Mofet Institute.

2021 Coordinator, B.Ed. Program in Mathematical Education for the Ultra-orthodox Population, Gordon College, Haifa.

2021-Date Lecturer, Mathematical Education, B.A. Program, Givat Washington.

2021-Date Pedagogic advisor, development of mathematical textbooks for high school for the New Curriculum, Yavne Bonus Publications.

2021-Date Lecturer, School for Leadership, Mendel Institute, Jerusalem.

2022 Advisor to staff, writing high school mathematics textbooks for the heterogenous population, Center for Educational Technology (CET).

March 2023 Guest, The University of Auckland, New Zealand, Faculty of Mathematics, sponsored by the Israel Academy of Sciences and Humanities

POSITIONS IN ACADEMIC COLLEGES

2004 - Date **Oranim College of Education, Tivon, Israel (lecturer)**

- Instruction, practice, and training mathematics teachers
- Improving strategic development for teaching mathematics
- "Theories in teaching mathematics"
- "The progression of mathematical thinking"
- Math assessment
- Teaching elementary-school mathematics and science to students with substantial cognitive disabilities
- Teaching high-school math and science to students with substantial cognitive disabilities
- Supervising final theses on mathematics education, M.Ed. program.

2015 -2021 **Dept. Of Education in Science, M.Ed. Program, Jerusalem College, Israel (lecturer and mentor)**

- Advanced seminar on research in mathematics education
- "News and innovations in mathematics"
- Supervising final theses on mathematics education
- "Advanced seminar on research and teaching calculus"

2005 -2006 **Gordon College of Education, Haifa, Israel (lecturer)**

- "The progress of mathematical thinking"
- "Mathematics assessment for students"

1987-2014 **Migdal Ohr High School, Migdal HaEmek, Israel (teacher and coordinator)**

- High-school mathematics

ADDITIONAL EXPERIENCE

1991-2006	Deputy director and pedagogical coordinator, Migdal Ohr High School, Migdal HaEmek, Israel.
1998-2000	High-school mathematics instructor, northern district, Shahar department, Ministry of Education, Israel.
2005-2016	Lecturer and coordinator, training course for school principals, Beit Hamore, Bnei Brak.
2006-2007	Assessor, mathematics matriculation exams, Ministry of Education, Israel.
2007-2014	Pedagogical coordinator: Galilee College, Shalhevet High School, and Ulpanat Galilee (all in Migdal HaEmek, Israel)
2008-2014	School principal Migdal Ohr High School, Migdal HaEmek, Israel.
2021-date	Additional editor for "Dvarim 2023" Journal: Research on Ultra-Orthodox Education
2022-2023	Pedagogic advisor in mathematics for the "Teudah (certificate)" program of the "Yedidut Toronto Foundation"
2022-date	Guest staff member at the Mandel School for Educational Leadership

SCHOLARSHIPS, FELLOWSHIPS, AWARDS, RESEARCH GRANTS, AND HONORS

2001	The Ian Karten Trust Scholarship Award for Academic Achievement.	Haifa University, Haifa, Israel.	NIS 7900
2003	Award of excellence.	Dept. of Mathematics Education, Haifa University, Israel.	NIS 3000
2012	The Kaplan Prize for Extraordinary Excellence in Research.	Dept. of Education in Technology and Science, Technion, Israel Institute of Technology.	NIS 4000
2015-2016	Research: "Theory and practice. Graduate student teachers teaching mathematics: classroom theoretical knowledge and applied mathematics. Exploring the gap between theory and practice."	Research and Evaluation Authority, Oranim Academic College of Education, Tivon, Israel.	NIS 4000
2016-2017	Research: "Professional (identity) development of excellent and non-excellent student-teachers in M.Ed. program."	Research and Evaluation Authority, Oranim Academic College of Education, Tivon, Israel.	NIS 5000
2017-2018	"Learning from Data and Big-Data in mathematics education in Israel."	Research and Evaluation Authority, Oranim Academic College of Education, Tivon, Israel.	
2017	Research support: "Writing virtual dialogues in mathematics as a tool for developing the didactic perceptions of the teacher."	Jerusalem College	6000
2018-2019	Research: "Teachers posing and designing problems and mathematical tasks (with and without technological tools) in accordance with the needs of teaching and learning."	Research and Evaluation Authority, Oranim Academic College of Education, Tivon, Israel.	10000
2018-2019	International review: "Moving toward an inclusive education system: Heterogeneous classroom instruction in the transition from integration policy to inclusion policy."	Office of the Chief Scientist, Ministry of Education. Israel.	10000
2019	"Literature review – Teaching practices in heterogenic classes."	Ministry of Education – Office of the Chief Scientist	NIS 48,000
2019	Participation and presentation at national conferences with M.Ed. students	Jerusalem College	NIS 1000
2019	"Teachers write and design mathematical problems and tasks (with and without technological tools)	Oranim Academic College of Education, Tivon, Israel.	NIS 3000

	in accordance with curriculum requirements."		
2020	The use of educational technology in general and higher-level teaching. Focus: "Solving mathematical problems collaboratively using technological tools."	Oranim Academic College of Education, Tivon, Israel.	NIS 6500
2020	Institutional-wide research in higher education: "Core practices in teacher education."	Haifa University	NIS 36,000
2020	Short-term training at the University of Auckland, New Zealand	Israel Academy of Sciences and Humanities	$5000
2021	Research development	Oranim Academic College of Education, Tivon, Israel.	10,000
2022	Research development	Oranim Academic College of Education, Tivon, Israel.	10,000

PUBLICATIONS

THESES

2003 Ovadiya, T. (2003). *Development of Mathematic Mentors' Expertise through Mentoring,* Dept. of Education, Haifa University, Haifa, Israel.
Advisor: Professor Roza Leikin

2014 Ovadiya, T. (2014). *Fostering problem-solving skills in mathematically "weak" female high school students*. Faculty of Education in Science and Technology, Technion – Israel Institute of Technology, Haifa, Israel.
Advisor: Assistant Professor Boris Koichu.

PAPERS IN PROFESSIONAL JOURNALS (ENGLISH LANGUAGE)

1. Kontorovich, I., & Ovadiya, T. (2023). How narratives on the secondary-tertiary transition shape university tutors' sense-making of their teaching. *ESM educational studies on mathematics*.
2. Ovadiya, T. (2021). A novice teacher researcher's action research project: Posing problems to promote concepts of graphs in calculus. *Action Research and Innovation in Science Education, 4(1), 13-23*. https://doi.org/10.51724/arise.42
3. Ovadiya, T. (2021). Implementing theoretical intervention principles in teaching mathematics to struggling students to promote problem-solving skills. *International Journal of Mathematical Education in Science and Technology, 11,* 1-25. https://doi.org/10.1080/0020739X.2021.1944682

PAPERS UNDER REVIEW IN PROFESSIONAL JOURNALS (HEBREW)

4. Ovadiya, T. (2015). The mathematics-class student: What does he learn? *Bimat Diyun (Mofet Institute), 55,* 31-37.

5. Ovadiya, T. (2015). From “The first person” to “the third person”- A triple ambivalence of ultra-orthodox girls at risk. *Dvarim - Multidisciplinary Academic Journal (Oranim College), 8*, 239-268.
6. Ovadia, A. (2016). Promoting mathematical problem solving among weak high school students using heuristic strategy: “Building similarities between problems”. *“Ka’Et – Journal in Issues of Social Education and Heritage (Talpiot College), 2, 91-122.*
7. Ovadiya, T. (2018). Principles of teaching mathematics for challenged students. *Research in Mathematics Education* (Shannan College), 6. 53-65.
8. Ovadiya, T. (2018). Characterization of a learning-environment comprised of static and interactive unresolved examples of mathematical problems, through the lens of the cognitive load approach in learning and the APOS theory. *Dvarim, Oranim College*, *11*, 111-142.
9. Biton, Y., & Ovadiya, T. & Fellus, O. (2019). What you can see from here, you can’t see from there: Using augmented reality to enhance spatial perception of prisms. *Research in Mathematics Education, 7*, 103-104.
10. Ovadiya, T., & Halperin, M. (2019). Promoting teachers towards access development for solving mathematical problems: Seeing the easy when solving problems. *Journal for Mathematics Teachers, 57*, 29-40.
11. Ovadiya, T., & Perez, I. (2020). Geometry teachers in elementary school learn from theoretical and practical professional literature. *Strong Number (Mispar Hazak), 31*, 78-89.
12. Ovadiya, T. (2020). The gap between reflective writing from memory and reflection using video documentation: Analysis of active research in teaching mathematics. *Dvarim – Academic Journal, 13*, 109-127.

CHAPTERS IN PUBLISHED BOOKS (HEBREW)

13. Ovadiya, T. & Goldberg, T.(accepted). Practices used by teacher educators in Israel. In A. Zohar (Ed.), "*book title*". Magness Publisher.
14. Ovadiya, T. (2021). Mentoring upon entry into teaching mathematics for the mutual professional development of mentor and mentee. In A. Schatz-Oppenheimer (Ed.), *Mentoring: Theory, Research and Practice.* (Pp. 75-107). Reisling. [Hebrew].
15. Ovadiya, T. (2021). Collaborative analysis of interactive solved examples for problems in mathematics. In I. Cohen, G. Ravid, R. Blonder, A. Forkush-Baaruch, H. Mishar-Tal, M. Sheinfeld, and A. Shmueli (Eds.), *Learning Technologies in Higher Education in Israel.* Inter-University Center for e-Learning (IUCEL).

PAPERS IN INTERNATIONAL PROCEEDINGS

16. Ovadiya, T. (2017). Writing fictional mathematical dialogues as a training and professional advancement tool for pre-service and in-service mathematics teachers. *CERME 10 Conference,* Dublin, Ireland. https://hal.archives-ouvertes.fr/CERME10-TWG18/hal-01949027v1. Hal-01949027.
17. Ovadiya, T., & Segal, R. (2017). Principles in designing technology-integrated geometry tasks for teaching teachers. In B. Kaur, W. K. Ho, T. I. Toh, T.L., & B.. H. Choy (Eds.), *Proceedings of the 41st Conference of the International Group for the Psychology of Mathematics Education,* Vol. 3, pp. 353-360. PME, Singapore.

18. Ovadiya, T. (2017). Constructing similarity connections between mathematics problems: The case of "weak" high school students. *PME41*. Singapore.
19. Ovadiya, T., & Segal, R. (2018). Graduate students' conceptual understanding of shifting between representations. *Poster session presented at the 42nd Conference of the International Group for the Psychology of Mathematics Education (PME42), 5*, 277. Umeå, Sweden.
20. Segal, R., & Ovadiya, T. (2018). Pre-service teachers' knowledge about shifting between function representations. In B. Maj-Tatsis, K. Tatsis, & E. Swoboda (Eds.), *Mathematics in the real world: Proceedings of CME, 18*, (pp. 241-250). Warsaw, Poland.
21. Ovadiya, T. (2019). Using teachers' research to elicit professional development among pre- and in-service mathematics teachers: a qualitative meta-analysis of mathematics education in graduate programs. In U. T. Jankvist, M. Van den Heuvel-Panhuizen, & M. Veldhuis (Eds.), *Proceedings of the Eleventh Congress of the European Society for Research in Mathematics Education (CERME).* Utrecht, Netherland. https://hal.archives-ouvertes.fr/hal-02422588
22. Ovadiya, T. (2019). Posing problems and designing tasks to promote transfer of learning in geometry by teacher-researchers: The case of tessellations. In J. Novotná, & H. Moraová (Eds.), *Proceedings of the International Symposium in Elementary Mathematics Teaching* (pp. 280-287). Prague. semt.cz/proceedings-19.pdf
23. Ovadiya, T., Fellus, O., & Biton, Y. (2019). Promoting three-dimensional spatial perceptions of the prism: The case of elementary-school students using AR technology. In J. Novotná, & H. Moraová (Eds.), *Proceedings of the International Symposium in Elementary Mathematics Teaching (SEMT)* (pp. 288-295). Prague. semt.cz/proceedings-19.pdf
24. Kontorovich, I., & Ovadiya, T. (2022). Novice tutors make sense of their teaching of first-year students. In *RUME February 2022 Conference*. Boston.
25. Ovadiya, T & Kontorovich, I. (2023). How Does mathematical knowledge for undergraduate tutoring develop? Analyzing written reflections of novice tutor. *the Annual Meeting of the International Group for the Psychology of Mathematics Education (PME 46)*.
26. Ovadiya, T. (2023). How do teacher-researchers develop mathematical knowledge? Posing and teaching problems with digital tools. CERME 13 Hungary. 13th Congress of the European Society for Research in Mathematics Education.
27. Ovadiya, T. & Goldberg, T. (2023). Path, position, and practice-life stories of teacher educators. The Eighth International Conference on Teacher Education Passion and Professionalism in Teacher Education. Mofet Institute.

RESEARCH REPORTS

28. Ovadiya, T. (2017). Parents support website for STEM. A project design for the Technion for the post-doctorate research period. The Faculty of Education in Science and Technology (4 pages).
29. Ovadiya, T. (2018). Learning from data and big-data in STEM education in Israel. A research report for the Technion for the post-doctorate research period. Faculty of Education in Science and Technology, Technion. (29 pages).
30. Ovadiya, T (2018). The development of a professional identity by exceptional and non-exceptional student teachers of mathematics while studying in an M.Ed. program for teaching mathematics. Research Authority, Oranim College. [Hebrew]

31. Ovadiya, T. (2019). Practices for teaching in a heterogenic class: A survey or available literature for the Office of the Head Scientist of the Ministry of Education. Ministry of Education (73 pages). [Hebrew]
https://drive.google.com/file/d/10vTZIhQRd7O__spEHzcrFSKd6WJOt1d_/view?usp=sharing

CONFERENCE ACTIVITY

May 1998	*Mathematics classes for female disadvantaged students: Challenge and the mission.*	5th conference of the Israeli Organization for Enhancing Mathematics Education, David Intercontinental Hotel, Tel Aviv, Israel.
May 2002	*Situations demonstrating students' mathematical thinking.*	9th conference of the Israeli Organization for Enhancing Mathematics Education, David Intercontinental Hotel, Tel Aviv, Israel.
June 2003	*A talk about mathematical puzzles with palindromes.*	The "Decade to Manor" Conference, Weitzman institute of Sciences, Rehovot, Israel.
May 2004	*Developing the expertise of mathematics supervisors while supervising.*	11th conference of the Israeli Organization for Enhancing Mathematics Education, David Intercontinental Hotel, Tel Aviv, Israel.
January 2006	*What do disadvantaged students in math see in a mathematical problem?*	Symposium of the Mathematics Dept., Talpiot College, Tel Aviv, Israel.
September 2008	*Fostering heuristic literacy by building connections between mathematics problems among disadvantaged high school students.*	9th Doctorate Seminar, Nir Etzion, Israel.
February 2010	*Study and application of mathematical problem-solving strategies: the case of 'weak' high school students*.	10th Oranim Conference on Research, Study, and Creation, Oranim College, Tivon, Israel.
February 2015	*Fostering problem-solving skills among female high school students who have difficulty in mathematics.*	16th Oranim Conference on Research, Study, and Creation, Oranim College, Tivon, Israel.
September 2015	*The math-class student: What does he learn?*	International Conference on Training Science and Mathematics Teachers, Oranim College, Tivon, Israel.
February 2016	*Theory and practice – graduate-student teachers teaching theoretical knowledge for the math classroom and applied mathematics: Exploring the gap between theory and practice.*	17th Oranim Conference on Research, Study, and Creation, Oranim College, Tivon, Israel. 4th JCERME Jerusalem Conference on Research in Mathematics Education, Jerusalem College of Technology, Israel.

February 2016	*On three studies and more than three different research tools and qualitative approaches.*	7th Israeli Conference on Qualitative Research in Changing Environments, Ben-Gurion University, Beer-Sheva, Israel.
February 2017	*Writing fictional mathematical dialogues as a training and professional advancement tool.*	18th Oranim Conference on Research, Study, and Creation, Oranim College, Tivon, Israel.
February 2017	*Teachers learn and teach by worked examples.*	5th JCERME Jerusalem Conference on Research in Mathematics Education, Jerusalem College of Technology, Israel.
June 2017	*Using worked examples with technological tools in teaching teachers in master's programs in mathematics teaching.*	15th Annual National MEITAL Conference 2017. Haifa University, Israel.
February 2018	*Unique representations in solving mathematical problems demonstrated by gifted students with learning disabilities.*	19th Oranim Conference on Research, Study, and Creation, Oranim College, Tivon, Israel.
February 2018	*Principles in designing technology-integrated geometry tasks for teaching teachers.* *The development of the "crystalline" concept of students in a problem-solving process that focuses on the shifting between representations.*	6th JCERME Jerusalem Conference on Research in Mathematics Education, Jerusalem College of Technology, Israel.
November 2018	*Learning from data and big data in mathematics and scientific education in Israel (STEM): A contemporary and future reality*	KATEF (Knesset Parliamentary Oversight Coordination Unit) Conference, Jerusalem.
January 2019	*Graduate student teachers (GST) learn by investigating static and interactive "worked examples" in calculus.*	20th Oranim Conference on Research, Study, and Creation, Oranim College, Tivon, Israel.
February 2019	*Promoting and developing teachers' teaching skills to implement theoretical principles in grades 1-12 populated with weak students.*	7th JCERME Jerusalem Conference on Research in Mathematics Education, Jerusalem College of Technology, Israel.
June 2019	*How teachers learn from solutions to calculus problems made by anonymous students.*	The 7th International Conference on Teacher Education. The story of innovation in teacher education. MOFET Institute.
June 2019	*Professional development of graduate student teachers (GST) by investigating interactive "worked examples" in calculus.*	The 7th International Conference on Teacher Education. The story of innovation in teacher education. MOFET Institute.
July 2019	Attendee.	ARTIST Batumi.
August 2019	*Posing problems and designing tasks to promote transfer of learning in geometry by teacher researchers: The case of tessellations*	SEMT Praag -International Conference.
August 2019	*Promoting three-dimensional spatial perceptions of prisms using AR.*	SEMT Praag -International Conference.
February	*The mutual contribution of the multiplication*	CERME Jerusalem Conference on

2020	*concept and the tessellation concept in solving tasks in both topics* (with B. Sela) [Hebrew]	Research in Mathematical Education, Tal Institute.
February 2020	*Geometry teachers in elementary school learn from theoretical and practical professional literature* (with I. Perez) [Hebrew]	CERME Jerusalem Conference on Research in Mathematical Education, Tal Institute.
February 2020	*The journey to the proof: Am I teaching how to prove? Analysis of findings using video observation while teaching geometrical constructions* (with M. Fishelovitz) [Hebrew]	CERME Jerusalem Conference on Research in Mathematical Education, Tal Institute.
February 2020	*The "anxiety" associated with teaching a coherent mathematics lesson in a high school special education class* (with D. Almalem) [Hebrew]	JCERME – Jerusalem Conference for Mathematical Education, Tal Institute.
February 2020	*Mathematical coherence as expressed in mathematics lessons: Analysis of videoclips on five levels of analysis* (with A. Atkins) [Hebrew]	JCERME – Jerusalem Conference for Mathematical Education, Tal Institute.
February 2020	*Using AR technology to improve the perception of the critical definitions of the prism concept* (with Y. Biton) [Hebrew]	JCERME – Jerusalem Conference for Mathematical Education, Tal Institute.
May 2020	*Looking at core practices of teacher educators in the Israeli context.*	Changes in the Training Methods for Teaching in University: Studies of the Center for Research for 2018-2020, Hebrew University, Zoom
June 2020	*Managing the heterogenic learning-disabled classroom "mathematics from research.* [Hebrew]	From Research to Application and from Practice to Research, Oranim College – Zoom. Conference of the Dept. of Special Education
July 2020	*The status of the Ultra-Orthodox women and post-modern reality*. [Hebrew]	Seminar on the Topic of the Ultra-Orthodox Population, Mendel Institute, North
February 2021	*Core practices applied in teacher training in institutions of higher education in Israel – STEM. Preliminary update.* [Hebrew]	9th JCERME Jerusalem Conference on Research in Mathematical Education, Lev Institute (Zoom)
February 2021	*Comparing teaching practices of the post-elementary mathematics teacher who is teaching on three different levels (with R. Dalshe).* [Hebrew]	9th JCERME Jerusalem Conference on Research in Mathematical Education, Lev Institute (Zoom)
July 2021	*Designing tasks using technological tools in the teaching of mathematics, physics, biology and researching knowledge processes of the pre-service teacher and developing teacher.* [Hebrew]	Oranim Conference on Research, Study, and Creation, Oranim College.
January 2022	*Designing tasks to teach mathematics using technological tools. A study of the knowledge processes and thinking of the developing teacher.* [Hebrew]	Conference of the Dept. for MA in Mathematics Education, Oranim College.
February 2022	Plenary lecture. Topic: *Reflective processes of mathematics students, tutors, pre-service teachers, teachers and teacher instructors as promoters of mathematical knowledge in problem solving – Similarities and differences* [Hebrew]	10th JCERME Jerusalem Conference on Research in Mathematical Education, Lev Institute, Jerusalem (Zoom)

May 2022	*Practices – For me? A look at the work of teachers' devices in universities and colleges in Israel from the perspective of core practices.* [Hebrew]	Central Conference for Research on Training and Teaching Teachers, Hebrew University- School of Education
January 2023	*Teachers' opportunities to learn mathematics through problem posing.* [Hebrew]	Conference of the Dept. for MA in Mathematics Education, Oranim College
January 2023	*Designing problems using technological tools for teaching mathematics: Research in the knowledge and thinking processes of the developing teacher*	Conference of the Dept. for MA in Mathematics Education, Oranim College
February 2023	*Discussion: Beyond high school mathematics to university: Perspectives of novice tutors in New Zealand*	11th JCERME Jerusalem Conference on Research in Mathematical Education, Lev Institute, Jerusalem
July 2023	*Path, position and practice – The connection between professional development track, institutional location, and training practices in the professional life stories of teacher educators*	The 8th International Conference on Teacher Education. Passion and Professionalism in Teacher Education MOFET Institute.

PLENARY LECTURE

February 2022	Plenary lecture. Topic: *Reflective processes of mathematics students, tutors, pre-service teachers, teachers and teacher instructors as promoters of mathematical knowledge in problem solving – Similarities and differences* [Hebrew]	10th JCERME Jerusalem Conference on Research in Mathematical Education, Lev Institute, Jerusalem (Zoom)

INTERNATIONAL COOPERATION: ROUND TABLE DISCUSSIONS AND GUEST LECTURING

March 2023	*Round table: Mathematics teacher educators' practices.*	Faculty of Mathematics, The University of Auckland, New Zealand
March 2023	*Observation of lessons given in the faculty and discussions with lecturers*	Faculty of Mathematics, The University of Auckland, New Zealand
March 2023	*Participation in round table discussion: Mathematics teacher educators' practices vs. "general education" teacher educators*	Faculty of Mathematics Education, The University of Auckland, New Zealand
March 2023	*Participation in round table discussion: Challenges of mathematics teacher educators in the connection between applied research and mathematics teaching in secondary schools.*	Faculty of Mathematics Education, Massey University, New Zealand
March 2023	*Observation of classes and participation in round table discussion: Implementing theoretical intervention principles in teaching mathematics to struggling students to promote problem-solving skills.*	Papatoetoe High School, Auckland, New Zealand

REVIEWER FOR SCIENTIFIC JOURNALS/CONFERENCE PROCEEDINGS; JUDGE AT CONFERENCES

1. Journal: Research and Study in Mathematics Education [Hebrew], Sha'anan College
2. Book: Inter-University Center for e-Learning (Meital)
3. Journal: *Machlol*, The Scientific Journal [Hebrew], Jerusalem College
4. CERME 9, CERME 10, CERME13, CERM14
5. Judge: Jerusalem Conference on Research in Mathematics Education. At all eleven conferences.
6. *Dvarim,* The Academic Journal of Oranim College. [Hebrew].
7. International Journal of Mathematical Education in Science and Technology
8. Cogent Education Journal
9. International Journal of Science and Mathematics Education.