

CURRICULUM VITAE

Abstract of my Scientific Work

For the past 18 years I have been engaged in academic research, from the first publication of clinical case descriptions in the field of cognitive rehabilitation to my recent submitted article in gamification in rehabilitation. This latest article joins three articles published during 2020-2021, Five articles submitted for publication in recent months and three more that examine the effectiveness of occupational therapy intervention and are in preparation.

My research deals with various aspects of functional cognition; Awareness, self-perception, growth mindset, social learning, executive functions and the use of cognitive strategies for daily functioning, among typical and clinical populations.

Over the years I have published a chapter in a book, a literary review article, four conference proceedings, as well as 16 clinical research articles (six of them in the Q1 - Q2 category, some as part of competitive research grants, I have won).

My doctoral dissertation dealt with neuropsychological expression and the relationship to the participation of people with Sensory Processing Deficits. Daily functioning and participation are the connecting link in all areas of my research (neurophysiological, technological, and cognitive), some examined how functioning can be improved through occupational therapy interventions, some included cultural adaptation and establishing Israeli norms for cognitive functional assessment. In addition, a translation and cultural adaptation of cognitive means of treatment and a guidebook for caregivers of people with intellectual disabilities.

An essential component of my recent research relates to technological innovation and the development of functional cognitive assessment tools that incorporate elements of gameplay (gamification) and are designed to advance new clinical practices.

I recently received a grant from the Israeli ministry of health for developing a technological based training simulation.

I have presented my work at 16 international conferences that have led to collaborations and research publications with researchers from Israel and abroad. I continue to research, write, and publish with great interest and curiosity and look forward to continuing to contribute to the accumulated knowledge and promoting evidence-based clinical practice.

1. Personal Details

Google scholar citation and profile [LINK](#)

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2. Higher Education

a. Undergraduate and Graduate Studies

Period of Study	Name of Institution and Department	Degree awarded
University of Haifa, Department of Occupational Therapy	B.A in Occupational Therapy	1998
University of Haifa, Department of Occupational Therapy	M.Sc. in Occupational Therapy	2005
University of Haifa, Department of Occupational Therapy	PhD in Occupational Therapy	2013
Tiltan School of Design and Visual Communications	User experience and User interface designer (UX/UI)	2020

b. Post-Doctoral Studies

Period of Study	Name of Institution and Department/Lab	Name of Host
2016- 2017	Mercy College, New York. USA. School of Health and Natural	Prof. Joan Toglia

Period of Study	Name of Institution and Department/Lab	Name of Host
	Sciences, Occupational therapy program.	
2015-2018 Part-time	University of Haifa, Faculty of Social Welfare and Health Sciences, Department of Occupational Therapy	Prof. Patrice L. (Tamar) Weiss

3. Academic Ranks and Tenure in Institutes of Higher Education

Years	Name of Institution and Department	Rank/Position
2019 - present	University of Haifa, Faculty of Social Welfare and Health Sciences, Department of Occupational Therapy	Research fellow
2005- present	University of Haifa, Faculty of Social Welfare and Health Sciences, Department of Occupational Therapy	Teaching fellow

Offices in Academic Administration

Years	Name of Institution and Department	Role
2018 - present	University of Haifa, The Faculty of Social Welfare and Health Sciences	Member of the ethics committee
2014-present	University of Haifa, Department of Occupational Therapy	Member of the admission committee
2015- present	University of Haifa, Department of Occupational Therapy	B.A Second-year academic counselor

Years	Name of Institution and Department	Role
2015-2016	University of Haifa, Department of Occupational Therapy	Coordinator of the BA students' 'Project Day' presentations

4. Scholarly Positions and Activities outside the University

Years	Memberships in Academic Professional Associations
2022 - present	Member of the program committee (IsraHCI 2022; 2023)
2014 – present	Israeli Society of Occupational Therapy (ISOT)
2013 -present	Israel Society for Neuroscience (ISFN)

Years	Reviewing for Refereed Journal
2023	The American Journal of Occupational Therapy IJOT
2014-present	Frontiers in Public Health- Child Health and Human Development
2016	The Israeli Journal of Occupational Therapy IJOT

Years	Reviewing for Scholarly Conferences
2017 – Today	International Conference on Virtual Rehabilitation ICVR

6. Active Participation in Scholarly Conferences

a1. International Conferences - Held Abroad

Date	Name of Conference	Place of Conference	Subject of Lecture/Discussion	Role
August, 2022	EARA 2022	Dublin, Ireland	“Journeys” - Exploring Beyond Classroom Walls	<u>Speaker and chair of thematic panel:</u> with Dr. Sivan Regev and Prof. Tamar Weiss

August, 2022	EARA 2022	Dublin, Ireland	Adaptation and Cross-cultural Comparison of the Adolescents Weekly Calendar Planning Activity (WCPA). Middle/High School Version	Poster with: Doherty, Fisher and Tal Saban.
August, 2022	World Federation of Occupational Therapists – world congress	Paris, France	Accessibility Consultant - A New Frontier for Occupational Therapists	Short presentation <u>Marcus</u> & Zlotnik
April 2022	The American Occupational Therapy Association (AOTA) - Annual Conference	San Antonio, USA	Video modeling and Social Problem-Solving intervention tool to improve social-vocational skills for adults with intellectual disabilities	Short course with: <u>Ben Rafael</u> , Gal & Weiss
April, 2020	The American Occupational Therapy Association (AOTA) - Annual Conference	Boston, USA Conference cancelled due to Covid-19	Video Modeling intervention to improve work-related social behaviors for adults with Intellectual and Developmental Disabilities	Short course presenter with: Ben Refael, Gal & Weiss.
April, 2019	The American Occupational Therapy Association (AOTA) - Annual Conference	New Orleans USA	A new approach for assessing functional cognition in adolescents with Epilepsy	Oral presentation Presenter with: Schif, Ravid, Shahar, & Toglia
April, 2019	The American Occupational Therapy Association (AOTA) - Annual Conference	New Orleans USA	Post-millennials, their self-perception of strategy-use in daily performance. What can therapists expect?	Poster: Presenter with: Gal & Weiss
May, 2018	World Federation of Occupational	Cape town, South Africa	Measuring Cross Cultural Stability in Performing the	Poster: Presenter: with Tal – Saban, & <u>Doherty</u>

	Therapy (WFOT) congress		Weekly Calendar Planning Activity (WCPA) between Healthy Israeli and American Adolescents	
May, 2018	World Federation of Occupational Therapy (WFOT) congress	Cape town, South Africa	A new approach for assessing executive functions in everyday life, among adolescents with Genetic Generalized Epilepsies (GGE)	Poster: Presenter: with Schiff, <u>Ravid</u> , Shahar, & Toglia
April, 2018	The American Occupational Therapy Association (AOTA) - Annual Conference	Salt Lake City, USA	Measuring Cross Cultural Stability in Performing the Weekly Calendar Planning Activity (WCPA) between Healthy Israeli and American Adolescents	Poster with: Tal – Saban, & <u>Doherty</u> .
June, 2017	European Pediatric Neurology Society Congress	Lyon, French	Assessing executive functions in everyday life, among adolescents with Idiopathic Generalized Epilepsies (IGE)	Poster with: Schiff, <u>Ravid</u> , Shahar, & Toglia
March, 2017	The American Occupational Therapy Association (AOTA) - Annual Conference	Philadelphia USA	Implementing Elements of Collaborative Learning and Gamification in Academic Occupational Therapy Program	Poster Presenter with: Weissbren Padan, Weiss, Richter, & Marcus
April, 2016	ISRII 8th Scientific Meeting - Technologies for a digital world: Improving health across the lifespan	Seattle USA	Video Modelling as a simulation tool of social and vocational challenging situations, for individuals with autism spectrum disorder.	Poster Presenter with: Weiss, Hochhauser, Rosen, & Gal,
April, 2015	The American Occupational Therapy Association (AOTA) - Annual Conference	Nashville, USA	Neurophysiological Manifestations of Auditory Hypersensitivity among Adults with	Poster Presenter with: Engel-Yeger, Attias & Pratt

			Sensory Hypersensitivity	
June, 2014	HEAL 2014 (Hearing Across the Lifespan)	Lake Como, Italy	Auditory hypersensitivity among individuals with Sensory Processing Disorder	Oral presentation Presenter with: Engel-Yeger, Attias & Pratt
June, 2013	30 International Epilepsy Congress	Montreal, Canada	Sensory modulation dysfunction in childhood-onset generalized epilepsy	Poster with: <u>Shahar</u> , Ravid, Engel-Yeger
October, 2012	10th European Congress on Epileptology	London, UK	Sensory Processing Disabilities in Childhood-Onset Generalized Epilepsy	Oral presentation <u>Shahar</u> , Ravid, Engel-Yeger

a2. International Conferences - Held in Israel

a3. Local Conferences

Date	Name of Conference	Place of Conference	Subject of Lecture/Discussion	Role
June, 2019	Access Israel – Abilitec exhibition	Tel-Aviv	Integrating technology in treatment of social skills needed for working for people with a IDD	Oral presentation with: <u>Ben – Rafael</u> , <u>Gal</u> and Wiess
December, 2018	Annual meeting of the Israeli Association for physical medicine and rehabilitation	Avenue – Airport campus.	Video modelling tools to improve social and vocational skills for people with IDD	Poster presentation with: Ben – Rafael, Gal and <u>Wiess</u>
January, 2017	Annual meeting of the Israeli Society of Pediatric Neurology & Development	Dead Sea	Assessment of executive functions in everyday life, among adolescents with Idiopathic Generalized Epilepsies (ICE)	Oral presentation Presenter Schif, Ravid, Shahar, & Toglia

Date	Name of Conference	Place of Conference	Subject of Lecture/Discussion	Role
June, 2015	Annual Conference of the Israeli Society of Occupational Therapy	Jerusalem	"ViMod" - improving social skills and preparation for the world of work for adolescents and young adults	Oral presentation Presenter <u>Weiss,</u> <u>Hochhauser,</u> <u>Rosen, & Gal,</u>
June, 2015	Israeli Society of Occupational Therapy - Annual Conference	Jerusalem	Cultural sensitivity from the perspective of the occupational therapist	Poster presentation with: <u>Marcus & Josman,</u>
December, 2013	The Israel Society for Neuroscience (ISFN).	Eilat	Neurophysiological manifestations of auditory hypersensitivity among individuals with Sensory Processing Disorder	Poster Presenter with: Engel-Yeger, Attias & Pratt
February, 2013	The Israeli Pediatric Neurology & Development Association (ISPND). Yearly conference	Rambam Health Care Campus. Haifa	Sensory Processing Disabilities in Childhood- Onset Generalized Epilepsy	Oral presentation Presenter

7. Invited Lectures (Others than in Scholarly Conferences)

In Israel

Year	Name of Forum	Place of Lecture	Subject of Lecture	Role
September, 2016	Seminar on: Occupational therapy for adolescents and young adults	The Hebrew University, Jerusalem	Using the WCPA in planning an intervention for adolescents with Epilepsy	Oral presentation Presenter
May, 2016	Workshop on: Metacognitive strategy intervention: Optimizing Functional performance and Executive Function	The University of Haifa	Adolescent with Epilepsy: using the of WCPA for assessment of performance and treatment plan	Oral presentation Presenter
September, 2012	ADHD seminar. Pediatric neurology department- "Meier" Children's Hospital – Rambam – health care campus.	Rambam Health Care Campus, Haifa	Occupational therapy intervention in children with attention deficits"	Oral presentation Presenter
June, 2008	The yearly convention of "Meier" Children's Hospital - Rambam – health care campus.	Rambam Health Care Campus	"Sensory deficits in hospitalized children"	Oral presentation Presenter

8. Colloquium Talks

Year	Name of Forum	Place of Lecture	Subject of Lecture	Presentation
January 2015	Audiology – between hearing and cognition	University of Haifa	Neurophysiology and auditory processing among subjects with sensory processing disorders	Presenter Oral presentation with Engel-Yeger, Attias & Pratt

9. Research Grants

Post-doctoral yearly grant 18,000 NIS, from the Israel Center of Research Excellence: Learning in a NetworKed Society (LINKS)

a. Grants Awarded

2023 (For one year)	NIS 25,000	The Ministry Of Health: Technology-Based Resources for Facilitating a Life-Long-Learning of Client-Therapist Interactions: The case of Cognitive Rehabilitation. S. Zlotnik, M. Levy and I. Hadar (co- principal investigator)
2019 (For one year)	NIS 40,000	Joint JDC Ashalim: "Pedagogical Journeys" as a method for encouraging growth mindset and sense of belonging for youth at risk. S. Zlotnik and PL Weiss (co- principal investigator)
2016 (For 2 years)	NIS 82,500	Shalem Foundation: Use of a computerized application for video modeling to improve job skills for adults with Intellectual and Developmental Disorder. PL Weiss, E. Gal (co- principal investigators) and S. Zlotnik (research collaborator)

b. Submission of Research Proposals – Pending

c. Submission of Research Proposals – Not Funded

Role in Research	Other Researchers (Name & Role)	Title	Funded by (C= Competitive Fund)	Amount	Years	Publication D#
Collaborator	M. Levy and I. Hadar (co-principal investigator)	Facilitating Life-Long-Learning for Improving Therapist Skills via a Personalized Application: The Case of Client-Therapist Interactions within Functional Cognitive Activities	Center for Humanities and AI - Technion and the University of Haifa	NIS not specified	2022	
Collaborator	N. Mizrahi (co- principal investigator)	Cultural sensitivity reflected in the conversion to online Learning as a result of the COVID-19 outbreak	Ministry of Labor, Social Affairs and Social Services	NIS not specified	2020	
Collaborator	Prof. Batya Engel-Yeger, Prof. Joseph Attias, and Prof. Hillel Pratt	Auditory Sensory Hypersensitivity Neurophysiological and Behavioral Expressions	The Israel Science Foundation ISF (C)		2010	

10. Teaching

Courses Taught in The Recent Years

Years	Name of Course	Type of Course	Level	Number of Students
2019 - present	*Technology Applications for occupational therapy	Introduction Course (Required)	B.A.	30
2018	**Assessment tools in occupational therapy	Introduction Course (Required)	B.A.	50
2007-present	* Cognition, metacognition, and participation	Research seminar	B.A.	15
2011- present	* Sensory deficits across life span	Introduction Course (Required)	B.A.	30
2012- present	**Activity analysis	Introduction Course (Required)	B.A.	40
2008 – 2009	**Academic writing	Introduction Course (Required)	B.A.	60

Years	Name of Course	Type of Course	Level	Number of Students
2006-present	* / ** Approaches of intervention in Occupational Therapy	Introduction Course (Required)	B.A.	30 / 50
2005-2008	* / ** Evidence Based Practice	Workshop	B.A.	30- 60
2006 -present	* / ** Assessment and treatment of cognitive deficits	Introduction Course (Required)	B.A.	30- 60

Courses taught in Mivchar Bnai-Brak ** Courses taught in Haifa campus.

b. Supervision of Graduate Students

Since 2007, in my research seminar classes, students work collaboratively on small group projects and collect and analyze data. With my support, outstanding students were further able to publish two peer review articles under my supervision, outstanding students were further able to publish two peer review articles.

11. Miscellaneous

PUBLICATIONS

A. Ph.D. Dissertation

Title: Neurophysiological manifestations of auditory hypersensitivity among individuals with Sensory Processing Disorder. The University of Haifa.

Date of submission: 2013

Number of pages: 175

Language: English

Name of supervisor: Prof. Joseph Attias, Prof. Batya Engel-Yeger, Prof. Hillel Pratt

University: Haifa

Publications: Zlotnik, S., Attias, J., Pratt, H., & Engel-Yeger, B. (2018).

Neurophysiological Manifestations of Auditory Hypersensitivity Correlate with Daily Life Experiences. *Neuroscience and Medicine*, 9(01), 29-45

B. Scientific Books (Refereed)

None

Authored Books – Published

None

Authored Books - Accepted for Publication

None

Edited Books and Special Journal Issues – Published

None

Edited Books and Special Journal Issues - Accepted for Publication

None

C. Monographs

None

D. Articles in Refereed Journals Published

1. **Zlotnik, S., Mizrach., N.** (2021). Culturally sensitive academia reflected in the conversion to online Learning in response to the COVID-19 outbreak. *The Israeli journal of Occupational therapy*. [In Hebrew]
2. **Zlotnik, S., Tal – Saban, M., fisher and Doherty, M.** (2020). Adaptation and Cross-cultural Comparison of The Weekly Calendar Planning Activity (WCPA) – Middle/High School version. *Israeli Journal of Occupational Therapy*, (p. E6-E24.) [In English].
3. **Zlotnik, S. Gal, E. & Weiss P.L** (2020) Video modeling as a tool to evaluate self-perception of strategies used by adolescents during daily tasks. *Disability and Rehabilitation: Assistive Technology*. DOI: 10.1080/17483107.2020.1774809 [Impact Factor: 1.71, Journal Rank: Q2]

4. **Zlotnik, S.,** & Toglia, J. (2018). Measuring adolescent self-awareness and accuracy Using a Performance-Based assessment and Parental report. *Frontiers in Public Health*, 6, 15. [Cited :6-time, Impact Factor: 2.031 Journal Rank: (210/489) Q2]
5. **Zlotnik, S.,** Schiff, A., Ravid, S., Shahar, E., & Toglia, J. (2018). A new approach for assessing executive functions in everyday life, among adolescents with Genetic Generalized Epilepsies. *Neuropsychological Rehabilitation*, 1-13. [Cited :4-times Impact Factor: 2.842 Journal Rank: (19/110) Q1]
6. **Zlotnik, S.,** Attias, J., Pratt, H., & Engel-Yeger, B. (2018). Neurophysiological Manifestations of Auditory Hypersensitivity Correlate with Daily Life Experiences. *Neuroscience and Medicine*, 9(01), 29-45 [Cited :4-time Impact Factor: 0.68]
7. Marcus, S., Josman, N., & **Zlotnik, S.** (2015). Affirmative action in Israel: Access to academia for the ultra-orthodox community. *Australian occupational therapy Journal*, 62(1), 21-26. [Cited :4-times. Impact Factor: 1.616. Journal Rank: 35/65 (Rehabilitation) Q3]
8. Segev-Yakobovski, O., Yakovian, R. A., Epstien H., hajaj., G. & **Zlotink S.,** (2015) Athletic Walking, Executive Functions and Falls among Community-Living Elderly People. *The Israeli Journal of Occupational Therapy*, 23 (1) H 32-45. [In Hebrew]
9. Fuchs, R., Fessel, S., Rauchberger, H., Segev-Jacobovski, O. & **Zlotnik S.,** (2014). Differences in Executive Functions between Young Religious Women and Older Religious Women, Using the Weekly Calendar Planning Activity (WCPA). *The Israeli Journal of Occupational Therapy*, 23(3) H105-H118. [In Hebrew]
10. Engel-Yeger B., **Zlotnik, S.,** Ravid, S. & Shahar, E (2014). Childhood- Onset Primary Generalized Epilepsy – Impacts on Children Preferences to Participate in Out of School Activities. *Epilepsy & Behavior*, 34,1-5. [Cited: 4 times Impact Factor: 2.332 Journal Rank (SJR): 1.106. Q2]
11. Engel-Yeger B., **Zlotnik, S.,** Ravid, S. & Shahar, E (2013). Sensory processing disabilities in childhood- onset primary generalized epilepsy. *Journal of Pediatric Neurology*. 11(2) :83-8 [Cited: 1 time, Impact Factor: 1.866 Journal Rank (SJR): 0.819. Q3]

12. Rosenblum, S., Samuel, M., **Zlotnik, S.**, Erikh, I. & Schlesinger, I. (2013). Handwriting as an objective tool for Parkinson's disease diagnosis. *Journal of neurology*, 260 (9), 2357-2361. [Cited: 87 times Impact Factor: 3.408. Journal Rank (SJR): Q2]
13. **Zlotnik, S.**, Sachs, D., Rosenblum, S., Shpasser, R. & Josman, N. (2009). Use of the Dynamic Interactional Model in Self-Care and Motor Intervention after Traumatic Brain Injury: Explanatory Case Studies. *The American Journal of Occupational Therapy* 63 (5) 549-558. [Cited: 8 times Impact Factor: 2.113. Journal Rank (SJR): Q1]
14. **Zlotnik, S.** (2008). Literature review on cognitive rehabilitation, *Israeli Journal of Occupational Therapy*, Vol 17 (2) H126-H-128 [In Hebrew].

Accepted for Publication.

E. Articles or Chapters in Scientific Books (Refereed)

1. Steinberg., C. and Zlotnik, S., (2019). *The Multicontext Approach*. In: TJ. Wolf, D F Edwards, and G M Giles (eds.) *Functional Cognition and Occupational Therapy: A Practical Approach to Treating Individuals with Cognitive Loss*. Chapter. 20. [cited:2]

F. Articles in Conference Proceedings

Published

1. Weiss, P. L., Hochhauser, M., Rosen, R., **Zlotnik, S.**, & Gal, E. (2015, June). Simulating the practice of daily life social and vocational situations via video modeling. In *Virtual Rehabilitation Proceedings (ICVR)*, 2015 International Conference on (pp. 51-56). IEEE.
2. **Zlotnik, S.** Engel-Yeger, B. Attias, J. and Pratt, H. (Aug. 2014) Neurophysiological manifestations of auditory hypersensitivity among individuals with Sensory Processing Disorder. *Journal of Molecular Neuroscience*. 53 Supplement: 1 S135-S135
3. Shahar, E. **Zlotnik, S.** Ravid, S. Engel-Yeger, B. (Jun. 2013). Sensory modulation dysfunction in childhood-onset generalized epilepsy. *Epilepsia* . 54 Special Issue: SI (3) 330-330
4. Shahar, E. **Zlotnik, S.** Ravid, S, Engel-Yeger, B (Sep. 2012). Sensory Processing Disabilities in Childhood-Onset Generalized Epilepsy. *Epilepsia* 53 Supplement: 5 167-167. DOI: 10.1111/j.1528-1167.2012. 03677.x

5. Rosenblum, 4. S., Samuel, M., **Zlotnik, S.** & Schlesinger, I. (2009). Handwriting performance measures of ‘real life’ tasks: A comparison between the performance of patients with Parkinson’s disease and controls. *Advances in Graphonomics* (pp. 43-47). Dijon, France: University de Bourgogne.

Accepted for Publication

None

G. Entries in Encyclopedias

None

H. Other Scientific Publications

Published

1. **Zlotnik S.**, Bar-Yoseph, R., Nasser, K, Borenstein-Levin, L., and Gur, M., and Hochwald, O, (2022). Daily Participation of Preterm-Born Children as Perceived by Their Parents. Available at
[SSRN: https://ssrn.com/abstract=4229858](https://ssrn.com/abstract=4229858) or <http://dx.doi.org/10.2139/ssrn.4229858>
2. **Zlotnik, S.** (2005), Case study In: Josman, N., The Dynamic Interactional Model for Children and Adolescents. In: N., Katz (ed). *Cognition and Occupation across the life span: models for intervention in Occupational therapy*. 2nd Edition. Bethesda, AOTA. 261-276.

Abstracts from conferences.

Published

1. **Zlotnik, S.**, Gal, E., & Wiess, T. (2019). Postmillennial: Their Self-Perception of Strategy Use in Daily Performance. What Can Therapists Expect? *American Journal of Occupational Therapy*, 73(4_Supplement_1), 7311500010p1-7311500010p1.
2. **Zlotnik, S.**, Schiff, A., Ravid, S., Shahar, E., & Toglia, J. (2019). A New Approach for Assessing Functional Cognition and Its Unique Expression in Adolescents with Epilepsy. *American Journal of Occupational Therapy*, 73(4_Supplement_1), 7311500070p1-7311500070p1.
3. **Zlotnik, S.**, Attias, J., Engel-Yeger B. & Pratt H. (July 2015) Neurophysiological manifestations of auditory hypersensitivity among individuals with Sensory Processing

Disorder. *American Journal of Occupational Therapy*, Vol. 69, 6911505126p1.
doi:10.5014/ajot.2015.69S1-PO5095

Accepted for Publication

None

I. Other Works and Publications

1. **Zlotnik, S.**, Regev.,S. & Weiss, P.L (Tamar), (2022) "Journeys": A Pedagogical Method of Encouraging A Growth Mindset And A Sense of Belonging for Youth At-Risk - Research Summary Report in Hebrew [\[Link\]](#) Abstract in English [\[Link\]](#)
2. Weiss, P.L (Tamar), Gal, E., Press-Shidlovsky, Y., Ben-Refael, Y & **Zlotnik, S.**, (2019) Instruction Booklet - Using a Computerized Application for Demonstration and Learning Using Video Scenarios to Improve Work Skills for People with Mental Developmental Disabilities [\[Link\]](#)
3. Fogel Y., Mayer, S., **Zlotnik S.** (2018). Schedule Activity Module – Hebrew version. PsychTech. LTD. Diagnostic and treatment tools for professionals.
4. **Zlotnik, S.**, Lamash, L., Mizrachi, N. Fogel, Y., (2016). Activity analysis. **Text e-book**
5. **Zlotnik, S.** (2013 – 2020). Professional workshops and courses for health and education personal, on functional cognition, awareness and metacognition.
6. **Zlotnik, S.** (2001 – 2002) Weekly column for an Orthodox newspaper, dealing with issues of parenting and development of young children and infants, including answers to common questions and articles about development and learning.

J. Submitted Publications

1. **S. Zlotnik**, Weiss, P.L. Rosen R., Ben Refael Y. Gal, E. and Hochhauser, M.
Gamification Attributes to Enhance Social Skills and Vocational Readiness Among People with developmental disabilities: A conceptual review. *Focus on Autism and Other Developmental Disabilities*. 29 pages.

2. **Zlotnik, S.**, Regev.,S. & Weiss, P.L (Tamar), Mindset and Self Awareness Following a Metacognitive Intervention for Youth-At-Risk. *Psychology in the Schools* 27 pages.
3. **Zlotnik, S.**, Houldin A., Raban D., & Weiss, P.L. Use of Gamification for Adults Physical Rehabilitation in Occupational Therapy, A Novel Concept? *Hong Kong Journal Of Occupational Therapy*. 18 pages.
4. **Zlotnik. S.**, and Levie - Amit. R., Self-perception of everyday executive function performance among college students seeking for support. *The Israeli Journal of Occupational Therapy*. 22 pages.
5. **Zlotnik, S.**, Ben-Refael, Y., Gal, E., Press-Shidlovsky, Y., Weiss, P.L (Tamar). Video modeling tool to improve the social skills required for work among adults with developmental intellectual disabilities: development and examination of usability. *Journal of Intellectual Disability Research*. 18 pages.

K. Summary of my Activities and Future Plans

I have been engaged in scholarly activities for the past 17 years, while working as an occupational therapist, teaching, and being involved in professional activities. In this relatively short time, I authored and co-authored 16 published journal articles, a book chapter, and 16 international presentations. My international presentations have led to collaborations with other Occupational Therapists in the United States including publications and a book chapter.

I was awarded with a grant from JDC Joint- Ashalim, for conducting a study on self-perception, and cognitive performance for youth at risk. This opportunity allowed me to develop an intervention and research paradigm aimed at the facilitation of awareness to performance and growth mindset. This opportunity led to a following collaboration with the Ministry of Welfare and Social Affairs in a funded project aimed at developing an intervention program for youth at the very edge of risk (Chasut hanoar).

My main research and academic goals are to combine my passion to technology-based rehabilitation with a functional cognition approach. To establish a lab that will focus on the study

of functional cognition in training of individuals with various deficits, to support their participation in their own communities, keeping their cultural habits, traditions, and beliefs.

My future research will focus on adaptation of technologies and assessment tools with the vision of cultural sensitivity and personalization. For that purpose, I studied and received a diploma as a User Experience and User Interface designer and User Experience Writer (UX/UI).

To further fulfill my passion for developing ways in which people can find their own way of overcoming daily challenges, I seek collaborations with clinicians and scientists from various fields, who are invested in improvement, personalization and adaptation of interventions and assessments to the specific needs of the individual. I am inspired by several theoretical bases on functional cognition, growth mindset, information processing, and learning. My activities related to technology-based rehabilitation led to collaborations with researchers in the fields of Information Systems and Industrial Engineering and Management. Recently, I was awarded with a grant from the Ministry of health that is aimed at developing Technology-Based Resources for Facilitating a Life-Long-Learning of Client-Therapist Interactions: The case of Cognitive Rehabilitation.

My field work: As an occupational therapist, I specialized in cognitive rehabilitation for 24 years. Most of my field work was at the "Rambam" hospital, as a staff member of the Pediatric Neurology Unit. I became aware of the importance of metacognitive intervention to support occupational performance among adolescents with cognitive impairments. During my M.Sc. study, I acquired knowledge and gained experience in neurodevelopment and metacognitive treatment and published an article on the effectiveness of an intervention protocol, with my supervisors (Zlotnik, Sachs, Rosenblum, Shpasser, & Josman, 2009). I have also been involved in studies of sensory processing and participation of children and adolescents with epilepsy (Engel-Yeger, Zlotnik, Ravid, & Shahar, 2013; 2014). Along the years I maintained my close connections with my former colleagues at the hospital and nowadays, I regularly advise them as to establishing their unique part among a multi-discipline team of a cognitive rehabilitation clinic.

Doctoral studies: My doctorate included deepening my knowledge of neurophysiology, I have acquired proficiency using advanced methods of neurophysiological measurement such as Event Related Potentials (ERP). In my doctoral dissertation (under the supervision of Prof. Batya Engel Yeger from the Department of Occupational Therapy, Prof. Hillel Prat from the Behavioral Biology Laboratory at the Technion, and Prof. Joseph Attias from the Department of Communication Sciences and Disorders) we found that adults with Sensory Processing Disorder had distinct physiological

characteristics, which correlates with their daily performance (**Zlotnik**, Attias, Pratt & Engel-Yeger, 2018). This translational research has inspired my passion for integrating knowledge from different fields, as well as the ability to explore phenomena from different perspectives, which I believe is the basis of a science that is not biased and enables openness for interpretation of novel approaches. In addition to my previous knowledge of cognitive rehabilitation, I have now been able to observe human function in its broadest sense, to connect “micro” basic components (sensory processing, perceptual processing, and cognitive processing) to “macro” daily life function (occupational performance and participation).

My Postdoctoral fellowship was devoted to specializing in two related fields; **The first Post-doc affiliation** focused on metacognition and strategy use in daily performance (under the guidance of Prof. Joan Toglia, from Mersey College, USA). In collaboration with clinical neurologists, I lead a study in which we found that adolescents with epilepsy, who are not identified by the educational system as having special needs, still exhibit metacognitive difficulties in using strategies to cope with cognitive challenges and that these difficulties are also reflected in their reported daily functioning. This emphasizes the importance of integrating performance-based assessment for adolescents with epilepsy, to identify those who require treatment. The study led to the publication of two scientific papers as well as conference presentations (**Zlotnik**, Schiff, Ravid, Shahr, & Toglia, 2018, **Zlotnik** & Toglis, 2018) and are now published also as a book chapter (Steinberg and **Zlotnik**, 2019).

The second Post-doc affiliation focused on using technologies in rehabilitation (under the guidance of Prof. Tamar Weiss, in Israel (as a member of LINKS Israel Center of Research Excellence). I have combined the knowledge of both these fields in my published studies (Weiss Hochhauser, Rosen, **Zlotnik**, & Gal, 2015; **Zlotnik**, Gal, & Weiss, 2020) and in submitted paper (**Zlotnik**, Ben-Refael, Gal, Press-Shidlovsky & Weiss; Weiss, **Zlotnik**, Hochhauser, Rosen, Ben Refael & Gal; **Zlotnik**, Houldin, Raban, & Weiss), and papers under preparation (Sade, Weiss, P.L. & **Zlotnik**; **Zlotnik**, Ben Refael, Gal & Weiss) Which explore how cognitive and metacognitive functioning can be promoted using technology based interfaces for various clinical populations.

Teaching: I have been teaching at the Department of Occupational Therapy in Haifa and in Mivchar campus for the last 17 years, a variety of courses (including a research seminar, intervention approaches and cognitive rehabilitation). In my research seminar class, students work collaboratively on small group projects, collect, and analyze data. With my guidance, outstanding students were further able to publish two peer review articles (Fuchs, Fessel, Rauchberger, Segev-Jacobovski, & **Zlotnik**, 2014; Segev-Yakovovski, Yakovian, Epstein, hajaj., & **Zlotink**, 2015). Throughout my years of teaching, I have devoted a great deal of effort

to promoting and deepening the teaching methods I apply. In collaborating with Dr. Richter, a mathematician from the faculty of Management, I have learned how principles of collaborative learning and gamification elements encourage learning, and I devote time to planning and building learning experiences in ways that encourages collaboration and inner motivation. I have shared this knowledge with my colleagues in Israel and abroad (**Zlotnik**, Weissbren Padan, Weiss, Richter, & Marcus, May 2017; **Zlotnik**, Houldin, Raban & Weiss, in preparation). Gamification is a young and fascinating body of knowledge which is recognized in the fields of business, education, and medicine, but has not yet been established in occupational therapy in Israel or abroad. In one of my research seminars, the students under my supervision study the use of gamification elements in a simulated virtual environment. I intend to elaborate this knowledge as part of my academic goals.

My academic teaching at the ultra-Orthodox Mivchar campus, allowed me to become more involved and aware of the need for cultural sensitivity and cultural competence, of diverse populations. I have integrated these core occupational therapy concepts in my teaching, in my research, presented and published both in Israel and internationally (Marcus, Josman, & **Zlotnik**, 2015). Cultural adaptation was also key to my collaboration on an Israeli American cross-cultural study, in which I translated and culturally adapted the adolescent's version of the WCPA assessment (Toglia, 2015) according to highly professional standards and validated it (**Zlotnik**, Tal-Saban, Fsher and Doherty, 2021). Recently, I studied the topic of culturally sensitive academia as reflected in the conversion to online learning in response to the COVID-19 outbreak (**Zlotnik** & Mizrachi, 2021). This study seeks to explore the unique experience and attitudes of Ultra-Orthodox students in conversion to on-line learning and using in-home technologies. Based on the knowledge we received from our students, accommodations to the academic curricula were made and bias conceptions were changed.

In conclusion, I believe that my contribution to Occupational Therapy field arises from a unique combination of my rich clinical experience, wide-ranging knowledge, and collaborations with researchers from Israel and abroad, all which enable me to create new research and learning contexts. These contexts are essential to nurturing our students, as future professionals, which are multi-culturally competent, equipped with the right tools for independent clinical reasoning, and who will bring these capabilities to be part of their multidisciplinary teamwork.

Papers in preparation

1. **Zlotnik, S.**, Ben Refael, Gal & Weiss. Video modeling tool to improve the social skills required for work among adults with developmental intellectual disabilities: development and effectiveness.
2. Sade, S., Weiss, P.L. & **Zlotnik, S.**, The use of a Video Modeling application to improve interpersonal skills in a sheltered work environment, among people dealing with schizophrenia.
3. **Zlotnik, S.**, Bar-yoseph., R*, Nasser. K., Borenstein-Levin., L Gur., M, & Hochwald O. (2022) Daily Function and Participation Patterns Among Early and Late Preterm and Term-Born Children. 17 pages.