Name: Omer Horovitz **Date: May, 2024**

CURRICULUM VITAE

1. Personal Details

Permanent Home Address: El-Al, 8/8, Kyriat Shemone

Home Telephone Number: -

Office Telephone Number: -

Cellular Phone: +972-54-8054155

Electronic Address: Omerho1@telhai.ac.il; Horovitz.omer@gmail.com

2. Higher Education

A. Undergraduate and Graduate Studies

Period of Study	Name of Institution and Department	Degree	Year of Approval of Degree
2010-2014	University of Haifa, Neurobiology	Ph.D.	2014
2008-2010	University of Haifa, Psychobiology	MA	2010
2005-2007	University of Haifa, Psychology	BA	2007

B. Post-Doctoral Studies

Period of Study	Name of Institution, Department and Host	Degree	Year of Completion
2015-2017	University of Haifa, Psychology, Prof. Tomer Schechner	Post-Doc	2017

3. Academic Ranks and Tenure in Institutes of Higher Education

Dates	Name of Institution and Department	Rank/Position
2017-current	Tel-Hai Academic College, Psychology	Lab. Director
2017-current	Tel-Hai Academic College, Psychology	Senior Lecturer
2015-2017	Tel-Hai Academic College, Psychology & Education	Lecturer
2010-2014	The Max Stern academic college of Emek Yezreel, Psychology	Adjunct Lecturer

4. Offices in Academic Administration

- 2023-current: **Chair of the Educational Psychology Program**, Tel-Hai Academic College.
- 2021-current: **Chair of the Psychology Department**, Tel-Hai Academic College
- 2018:2021: **Chairman of the Research Services Unit**, Tel-Hai Academic College.
- 2017-current: **Physiology and Behavior (Nutritional Psychology) Lab. Director**, Psychology Department, Tel-Hai Academic College.
- 2017-201: **Chair of the Psychology Laboratories**, Psychology Department, Tel-Hai Academic College.
- 2017-2018: **Delegate of the Social Sciences Faculty in the College Research Authority**, Tel-Hai Academic College.
- 2012-2014: **Research Associate**, The Institute for the Study of Affective Neuroscience (ISAN), University of Haifa.
- 2012-2014: Israel Society for Biological Psychiatry (ISBP) young research leadership.

5. Scholarly Positions and Activities outside the Institution

Reviewer in peer-reviewed Journals

- 2024-current: **Reviewer**, Nutrients.
- 2021-current: **Reviewer**, Constructivist Foundations.
- 2021-current: **Review**, European Journal of Neuroscience.
- 2019-current: **Review**, Molecular Neurobiology Journal.

Membership in Scientific Associations

- 2019-2022: **Research member**, International Society for Nutritional Psychiatry Research.
- 2014-2017: **Research Associate**, Psychology Department, University of Haifa.
- 2012-2014: **Research Associate**, The Institute for the Study of Affective Neuroscience (ISAN), University of Haifa.

Participation in Scholarly Conferences

a. **Active Participation**

Date	**Name of Conference**	**Place of Conference**	**Subject of Lecture/Discussion**	**Role**
April, 2024	The 4th Annual Meeting on Mental Health	Amsterdam, Netherland	Orthorexia and Orthorexia Nervosa: Prevalence, Risk Factors, Diagnosis, Treatment, and Recent Findings.	**Invited lecture**/ Speaker*
July, 2023	The 18th European Congress of Psychology, Brighton	Brighton, UK	Gender differences in energy drink consumption and psychological indices among Israeli-Arab adolescents.	Speaker*
October, 2019	International Meeting of the International Society for Nutritional	London, UK	What our eating habits might do to our minds: Intervening between the tight interplay between nutrition,	Speaker*

	Psychiatry Research		psychological well-being and mental health susceptibility.	
May, 2018	The 10th European meeting on human fear conditioning (EMHFC)	Bochum, Germany	Spontaneous resting state EEG activity in pediatric healthy and anxious youth.	Speaker*
May, 2017	The 9th European meeting on human fear conditioning (EMHFC)	Bochum, Germany	Spontaneous resting state EEG activity in pediatric healthy and anxious youth.	**Invited talk**/ Speaker*
August, 2012	Frontiers in Stress and Cognition: From Molecules to Behavior conference (under EBBS)	Ascona, Switzerland	Exposure to stress differentially affects behavior and brain activity in male and female rats	Speaker
Conferences in Israel				
March, 2024	The 26th Annual Conference of the Israel Society of Biological Psychiatry	Open University, Raanana, Israel	Understanding Orthorexia and Orthorexia Nervosa: An Exploration of Emerging Eating Disorders	Speaker*

March, 2024	The 26th Annual Conference of the Israel Society of Biological Psychiatry	Open University, Raanana, Israel	Mindful Self-Compassion (MSC) intervention program for mental health professionals: Preliminary evidence for effectiveness	Group presentation*
March, 2023	The 25th Annual Conference of the Israel Society of Biological Psychiatry	Kfar-Blum, Israel	The impact of running therapy on the mental health of inpatient and daycare centers youth: A pilot randomized controlled trial	Speaker*
March, 2021	The 24th Annual Conference of the Israel Society of Biological Psychiatry	Kfar-Blum, Israel	The association between nutrition and depressive symptoms in young adults	Speaker*
March, 2021	The 24th Annual Conference of the Israel Society of Biological Psychiatry	Kfar-Blum, Israel	The interplay between nutrition, psychological well-being, and mental health	Speaker*
June, 2018	Brain research and Behavior: Trauma,	University of Haifa, Israel	The role of GABAergic interneurons in the etiology of PTSD: from animal models to human clinical research	Speaker*

	Consciousness and Cognition conference			
July, 2018	The 7th International Meeting of the Integrated Brain and Behavior Research Center	University of Haifa, Israel	Juvenile adversities impair adult threat-coping ability and strengthen its relation to long-term changes in anhedonic behavior	Group presentation*
July, 2018	The 7th International Meeting of the Integrated Brain and Behavior Research Center	University of Haifa, Israel	The 7th International Meeting of the Integrated Brain and Behavior Research Center	Speaker*
March, 2017	The 21st Annual meeting of the Israeli society for biological psychiatry	Hagoshrim, Israel	Complex emotional brain: facets of FEAR	Speaker*
December, 2016	The 25th Annual meeting of the Israel society for neuroscience	Eilat, Israel	Developmental differences in a social visual search task	Speaker

December, 2015	The 23rd Annual meeting of the Israel society for neuroscience	Eilat, Israel	Effects of in vivo Neurofascin knockdown on fear extinction and synaptic plasticity in the basolateral amygdala	Speaker
March, 2015	The 19th Annual meeting of the Israeli society for biological psychiatry	Hagoshrim, Israel	Developmental effects of contextual affective valance and stimuli gender on latency to target's fixation in a visual search task	Speaker
March, 2014	The 18th Annual meeting of the Israeli society for biological psychiatry	Hagoshrim, Israel	Factors that affect plasticity: Controllability and positive/negative affect-related aspects of limbic midbrain modulation of higher limbic regions	Speaker
February, 2014	The 4th International meeting of the Haifa forum for Brain and Behavior	Haifa, Israel	Factors that affect plasticity: Controllability and positive/negative affect-related aspects of limbic midbrain modulation of higher limbic regions	Speaker
* - Since the last promotion				

b. **Organization of Conferences or Sessions**

Date	**Name of Conference**	**Place of Conference**	**Subject of Conference/ Role at Conference/ Comments**	**Role**
June, 2022	The Department of Psychology conference (in the name of Per Stenberg): Control and Reward	Tel-Hai Academic College, Israel	Loss of control: fear, stress and anxiety, finding control: behavioral and brain aspects of reward from control, and Phenomenology of control, belonging and psychopathology	Organizer*
September, 2019	Psychosis and Post-trauma conference	Tel-Hai Academic College, Israel	Dissociation and post-trauma: phenomenology, brain mechanisms, and treatment	Organizer*
* - Since the last promotion				

6. Invited Lectures\ Colloquium Talks

Date	**Place of Lecture**	**Name of Forum**	**Presentation/Comments**
April, 2024	Amsterdam, Netherlands	The 4th Annual Meeting on Mental Health	Orthorexia and Orthorexia Nervosa: Prevalence, Risk Factors, Diagnosis, Treatment, and Recent Findings. *
May, 2017	Bochum, Germany	Spontaneous resting state EEG activity in pediatric healthy and anxious youth.	The 9th European meeting on human fear conditioning (EMHFC). *

* - Since the last promotion

8. Research Grants

a. Grants Awarded

Role in Research	Co-Researchers	Topic	Funded by/ Amount	Year
PI*	Dr. Noan Karsh, Dr. Boris Yazmir, Dr. Anat Dahan	Brain signals evoked by errors during motion, as a future tool for ADHD treatment	A grant from the Research Authority Tel-Hai College (joint with MIGAL and Brauda) [12500$ for one year]	2023
Co-PI*	Dr. Faiga Magzal Dr. Jameel Andrawes Dr. Noam Karsh	Exploring the Impact of Integrative Autism Therapy on the Overall Improvement of High Functional Autistic Children and the Role of the Gut Microbiota and its Metabolites as Mediators	Joint grant for Tel-Hai College and Saint Vincent De Paul (French) Hospital [6000$ for one year]	2023
PI*	Dr. Lili Nimri Dr. Faiga Magzal	The Association of Maternal Prenatal Psychological stressors and distress, diet pattern, early infant bacterial and metabolite profiles and growth indices	A grant from the Research Authority Tel-Hai College [6000$ for one year]	2021
PI*	Dr. Noam Karsh	I Control It, Therefore, I Can Stop It: The	A grant from the Research	2020

		Facilitating Impact Response-Effectiveness Has on Both Response-Selection and Response-Inhibition	Authority Tel-Hai College [6000$ for one year]	
PI*	Dr. Lili Nimri	Energy drinks consumption among Israeli-Arab Adolescents	A grant from the Research Authority Tel-Hai College [6000$ for one year]	2018
* - Since the last promotion				

b. Submission of Research Proposals – Pending

Role in Research	Co-Researchers	Topic	Funded by	Year
Co-PI*	Dr. Faiga Magzal Dr. Kitty Reemst Prof. Snait Tamir	Modulation of brain aging through nutrition and healthy lifestyle	ERA4Health-NutriBrain	2024
Co-PI*	Dr. Daniela Aisenberg-Shafran	Understanding the contribution of milk consumption to cognitive health during aging	Grant Proposal Application Ministry of Health - Chief Scientist Office	2024
* - Since the last promotion				

c. Submission of Research Proposals – Not Funded

Role in Research	Co-Researchers	Topic	Funded by	Year	Score
PI*	Dr. Faiga Magzal Dr. Lili Nimri Prof. Snait Tamir	An innovative personalized nutritional intervention method in the delicate interrelationships between Eating habits and affective psychological symptoms: in search of a dependent mechanism Microbiome	ISF	2021	-
PI*	Dr. Faiga Magzal Dr. Lili Nimri Prof. Snait Tamir	A novel tailored personal nutritional intervention in the tight interplay between eating habits and psychological	ISF	2020	-

		affective symptoms: in search of a possible microbiota dependent mechanism			
* - Since the last promotion					

9. Scholarships, Awards and Prizes

- 2024: Full Membership in Sigma Xi, The Scientific Research Honor Society.
- 2017: Teaching Lecturer Excellency, Education Department, Tel-Hai College.
- 2014-2017: Research Associate, Psychology Department, University of Haifa.

10. Teaching

a. Courses Taught in Recent Years

Year	**Name of Course**	**Type of Course Lecture/Seminar/ Workshop/High Learn Course/ Introduction Course (Mandatory)**	**Degree**	**Number of Students**
2024-current	Affective Neuroscience and Nutrition: Mind-Body Connection	Mandatory course	BA	50
2023-current	Developmental Neuropsychology	Elective course	MA	20
2023-current	Research perspectives on the study of Consciousness	Mandatory course	BA	20
2021-current	Abnormal Psychology	Mandatory course	BA	70
2019-current	Nutritional Psychology	Elective course	BA	35

2019-2023	Emotional brain circuits of Eating Disorders	Elective course	BA	35
2018-2020	Neuropsychology	Mandatory course	BA	60
2018-2020	Cognitive Psychology	Mandatory course	BA	60
2017-current	Principles of learning and Behavior	Mandatory course	BA	70
2017-current	The study of the Emotional Brain	Mandatory course	BA	50
2017-current	Facets of anxiety, wellbeing and Physiology	Seminar	BA	30
2016-2021	Facets of anxiety & wellbeing in special education populations	Seminar	BA	30
2016-2019	Advanced Psychophysiology	Mandatory course	MA	20
2016-2017	Introduction to Psychology	Mandatory course	MA	100
2014-2017	Introduction to Psychobiology	Mandatory course	BA	100

b. **Supervision of Graduate Students**

Name of Student	**Title of Thesis**	**Degree**	**Date of Completion /in Progress**	**Students' Achievements**
Asaf Elbaz	Understanding the Interplay: Comorbid Eating Disorders and Psychopathology from a Dynamic perspectives (in collaboration with Haifa University.	Ph.D.	2024: In progress (1^{st} year)	In progress*
Shiri Naor	Understanding the Interplay: Comorbid Eating Disorders and Psychopathology from	Ph.D.	2024:	In progress*

	a Psychophysiological Perspectives (in collaboration with Haifa University).		In progress (1st year)	
Zohar Cohen	Theory of Food: over and under eating as a deviation of sensing the body.	MA	2024: In progress (1st year)	In progress*
Maya Grabois	Cross-Sectional Experimental Design: "Theory of Food" (ToF) Study on Childhood and Adult Food Preferences in Children	MA	2024: In progress (1st year)	In progress*
Bar Peleg	Attachment and Physiological Synchronization: Mothers-child interaction in collaboration with Prof. Ora Aviezer	MA	2023: In progress (1st year)	In progress*
Ayelet Peled	Intuitive eating and Body image	MA	2022: In progress (2nd year)	In progress*
Shir Hadad	Focusing and self-control: The differential contribution of secondary characteristics in the construction level operation high and low on making behavioral decisions in risky situations in collaboration with Dr. Noam Karsh	MA	2022: In progress (2nd year)	In progress*
Roi Langerman	Obesity & Anxiety: a cross-generational study	MA	2022: In progress (2nd year)	In progress*
Adi Shushan-Feynman	Evaluation of dietary intake of polyphenols in adults, and the relationship to various mental states (mood, anxiety and depression) - cross-sectional study. Adi Shushan-	MA	2022: In progress (2nd year)	Thesis and Scientific article*

	Feynman in collaboration with Dr. Sigal Tepper			
Vivian Bishara	The Association of maternal prenatal psychological stressors and distress, diet pattern, early infant bacterial and metabolite profiles and growth indices in collaboration with Dr. Lili Nimri	MA	2022: In progress (2^{nd} year)	Thesis and Scientific article*
Gilad Nave	Energy Drinks Consumption among Israeli-Arab adolescents living in Northern Israel and its impact on their glycemic response, blood pressure, and psychological responses	MA	2023: Completion	Thesis and Submitted Scientific article*
Lee Edelman	Intermittent fasting as a novel intervening method for alleviating affective symptoms	MA	2023: Completion	Thesis*
Alex Chaldi	Attachment and Physiological Synchronization: Fathers-child interaction in collaboration with Prof. Ora Aviezer	MA	2022: Completion	Thesis and Scientific article*
Gad Asulin	Novel biofeedback training as a possible intervention for reducing ADHD symptoms	MA	2021: Completion	Thesis*
Lior Zohar	What our eating habits might do to our minds: intervening in the tight interplay between nutrition, psychological welfare and mental health susceptibility	MA	2019: Completion	Thesis and a Scientific article (Nutrients, 2024).
* - Since the last promotion				

11. Miscellaneous

April 2018 — 10^{th} European Meeting on Human Fear Conditioning (EMHFC), Hamburg, Germany.

May 2017	9th European Meeting on Human Fear Conditioning (EMHFC), Hamburg, Germany.
September 2015	Lund Eye-Tracking Academy (LETA), Lund Humanities Laboratories, Lund University, Sweden.
May 2015	7th European Meeting on Human Fear Conditioning (EMHFC), Haus Laer, Bochum, Germany.
September 2013	European Brain and Behavior Society Meeting (EBBS). Ascona, Switzerland.
July 2013	Summer School for Clinical Neuroscience, ISBP, Israel.
September 2010	Magdeburg Summer School Mechanisms of Learning & Memory, Institute of Biology, Otto-von-Guericke University Magdeburg, Leipziger Str., Germany.

12. **Professional Experience**

2014-current	Lecturer, Bashaar - Academic Community for Israeli Society.

PUBLICATIONS

H-Index: 10; i10-Index: 11; Citations: 743 (Google Scholar)

A. Ph.D. Dissertation

Factors that affect plasticity: Controllability and positive/negative affect-related aspects of higher limbic regions modulation by the limbic midbrain. (2014 – 125 pages in English). The dissertation was submitted partially fulfilling the requirements for a Ph.D. from the University of Haifa, Department of Neurobiology, Supervisor – Prof. Gal Richter-Levin.

B. Articles in Refereed Journals

Published

1. Nimri, L., Mansour, B., Benhos, A., Banna, A., Nasrallah, N., Sackran., Abu Ahmad, A., Ardi, Z., and **Horovitz, O.** (2024). Energy drink consumption among Israeli-Arab adolescents: Gender differences in anxiety and well-being. *Public Health Challenges*, [IF: not ranked yet] *.
2. **Horovitz, O.** (2024). Theory of food: Unravelling the lifelong impact of childhood dietary habits on adult food preferences across different diet groups. *Nutrients*, [H-index: 178, IF: 5.717, Q1: 20 - Food Science, 9 - Nutrition and Dietetics].*
3. Karsh, N., Soker, E., and **Horovitz, O.** (2024). A differential impact of action-effect contiguity on different measures of response inhibition in the Go/No-Go and stop-signal tasks. *Psychological Research*. [H-index: 84, IF: 2.424, Q1: 83 – Art and Humanities; Q2: 643 – Medicine, 115 – Developmental and Educational Psychology, 51 – Psychological Research].*
4. **Horovitz, O.** and Agryrides, M. (2023). Orthorexia and Orthorexia Nervosa: A comprehensive examination of prevalence, risk factors, diagnosis, and treatment. *Nutrients*. DOI: 10.3390/nu15173851. [H-index: 178, IF: 5.717, Q1: 20 - Food Science, 9 - Nutrition and Dietetics; Citations: 5].*
5. Fleischer, E., Landaeta-Díaz, L., González-Medina, G., and **Horovitz, O.** (2023). Anxiety, anhedonia, and related food consumption at the beginning of the COVID-19 quarantine in populations of Israelis: A cross-sectional survey study. *Heliyon* (Cell group). Doi: 10.1016/j.heliyon. 2023.e17211. [H-index: 69, IF: 3.76, Q1: 24 – Multidisciplinary; Citations: 2].*
6. Danon-Kraun, S., **Horovitz, O**., Frenkel, T., Richter-Levin, G., Pine, S.D., and Shechner, T. (2021). Return of fear following extinction in youth: An even-related

potential study. *Developmental Psychobiology*, 63(7); https://doi.org/10.1002/dev.22189. [H-index: 93, IF: 3.038, Q2: 139 - Developmental and Educational Psychology; Q3: 19 – Developmental Neuroscience, 43 – Developmental Biology; Citations: 4].*

7. **Horovitz, O**., Ardi, Z., Ashkenazy, S., Ritov, G., Anunu, R., and Richter-Levin, G. (2020). Network neuromodulation of Opioid and GABAergic receptors following a combination of 'juvenile' and 'adult stress' in rats. *International Journal of Molecular Neuroscience*, 21(15), 5422; https://doi.org/10.3390/ijms21155422 [H-index: 90, IF: 3.444, Q2: 827 – Medicine; Q3: 65 – Cellular and Molecular Neuroscience; Citations: 6].*
8. **Horovitz, O.** and Ataria, Y. (2020). The destructive nature of severe and ongoing trauma: impairments in the minimal-self. *Philosophical Psychology*. 254-276. DOI: 10.1080/09515089.2020.1854709. [H-index: 47, IF: 1.573, Q1: 48 – Philosophy; Q2: 114 – Applied Psychology; Citations: 10].*
9. Ardi, Z. and **Horovitz, O.** (2020). "You are what you remember but also what you do not know that you remember: on memory, life episodes and the brain". Dvarim [education- Hebrew].*
10. Dvir, M., **Horovitz, O.**, Aderka, I., and Shechner, T. (2019). Fear conditioning and extinction in anxious and non-anxious youth: A meta-analysis. *Behaviour Research and Therapy (BRAT)*, 120:103431. doi: 10.1016/j.brat.2019.103431. [H-index: 196, IF: 4.473, Q1: 49 – Psychiatry and Mental Health, 22 – Clinical Psychology, 31 – Developmental and Clinical Psychology, 11 – Experimental and Cognitive Psychology; Citations: 57].*
11. Ataria Y., Lahad M. and **Horovitz, O.** (2019). Authors' response: Whatever works instead of all or nothing. *Constructivist Foundations*, 14(2): 226–229. https://constructivist.info/14/2/226. [H-index: 19, IF: 0.35, Q2: 74 – History and Philosophy of Science, 199 – Philosophy, 55 – Multidisciplinary; Q3: 929 – Education; Q4: 222 – Artificial Intelligence, 89 – Cognitive Neuroscience].*
12. Ataria Y., Lahad M. and **Horovitz O.** (2019). Applying the neurophenomenological approach to the study of trauma: theory and practice. *Constructivist Foundations*, 14(2): 197–214. https://constructivist.info/14/2/197. [H-index: 19, IF: 0.35, Q2: 74 – History and Philosophy of Science, 199 – Philosophy, 55 – Multidisciplinary; Q3: 929 – Education; Q4: 222 – Artificial Intelligence, 89 – Cognitive Neuroscience; Citations: 7].*

13. **Horovitz, O.**, Lindenfeld, I., Melamed, M. and Shechner, T. (2018). Developmental effects of stimulus gender and distractors' affective valence on threat detection in a visual search task. *British Journal of Developmental Psychology*, https://doi.org/10.1111/bjdp.12230 [H-index: 75, IF: 2.148, Q2: 16 – Developmental Neuroscience, 114 – Developmental and Educational Psychology; Citations: 3].*
14. **Horovitz, O.**, Richter-Levin, A., Xu, L., Jing, L. and Richter-Levin, G. (2017). Periaqueductal grey modulation on nucleus accumbens and basolateral amygdala plasticity differentially under controllable and uncontrollable stress. *Scientific Reports.* 7(1):487. DOI: 10.1038/s41598-017-00562-5 [H-index: 242, IF: 4.379, Q1: 13 – Multidisciplinary; Citations: 14].*
15. Ritov, G., Ardi, Z., **Horovitz, O.**, Albrecht, A. and Richter-Levin, G. (2017). Juvenile adversity and adult threat controllability in translational models of stress-related disorders. *Current Opinion in Behavioral Sciences*, 14: 148-154. https://doi.org/10.1016/j.cobeha.2017.02.006 [H-index: 53, IF: 4.466, Q1: 14 – Psychiatry and mental Health, 4 – Behavioral Neuroscience, 11 – Cognitive Neuroscience; Citations: 5].*
16. Saha, R., Knapp, S., **Horovitz, O.**, Kriebel, M., Ehrlich, I., Volkmer, H. and Richter-Levin, G. (2016). GABAergic synapses at the axon initial segment of basolateral amygdala projection neurons modulate fear extinction. *Neuropsychopharmacology*. 42: 473–484. DOI: 10.1038/npp.2016.205 [H-index: 227, IF: 8.249, Q1: 13 – Pharmacology, 27 – Psychiatry and Mental Health; Citations: 43].
17. Beuter, S., Ardi, Z., **Horovitz, O.**, Wuchter, J., Keller, S., Saha, R., Tripathi, K., Anunu, R., Kehat, O., Kriebel, M., Richter-Levin, G. and Volkmer, H. (2016). Receptor tyrosine kinase EphA7 controls interneuron connectivity at specific subcellular compartments of granular cells. *Scientific Reports*. 6, 29710. https://doi.org/10.1038/srep29710 [H-index: 242, IF: 4.379, Q1: 13 – Multidisciplinary; Citations: 19].
18. **Horovitz, O.**, Roitburd, B.L., Abend, R., Ziskind, D. and Shechner, T. (2016). Distraction versus training attention away from threat: How to best wait for the dentist. *Australian Journal of Psychology (AJP)*. 68(3): 191-199. https://doi.org/10.1111/ajpy.12128 [H-index: 44, IF: 2.316, Q2: 81 – Psychology; Citations: 8].

19. **Horovitz, O.** and Richter-Levin, G. (2015). Dorsal periaqueductal gray simultaneously modulates ventral subiculum induced-plasticity in the basolateral amygdala and the nucleus accumbens. *Frontiers in Behavioral Neuroscience*, 9 (53). DOI: 10.3389/fnbeh.2015.00053 [H-index: 82, IF: 3.558, Q1: 12 – Neuropsychology and Physiological Psychology; Q2: 45 – Cognitive Neuroscience, 24 – Behavioral Neuroscience; Citations: 10].
20. **Horovitz, O.**, Tsoory, M.M., Yovell, Y., and Richter-Levin, G. (2014). A rat model of pre-puberty (juvenile) stress-induced predisposition to stress-related disorders: sex similarities and sex differences in effects and symptoms. *World J Biol Psychiatry*. 15(1): 36-48. DOI: 10.3109/15622975.2012.745604 [H-index: 75, IF: 4.132, Q2: 187 – Psychiatry and Mental Health; Q3: 27 – Biological Psychiatry; Citations: 66].
21. Kim, E.J.*, **Horovitz, O.***, Pellman, B.A., Tan, L.M., Li, Q., Richter-Levin, G., and Kim, J.J. (2013). Dorsal periaqueductal gray-amygdala pathway conveys both innate and learned fear responses in rats. *Proc Natl Acad Sci USA (PNAS)*. 110(36): 14795-800 - (*equal contribution). DOI: 10.1073/pnas.1310845110 [H-index: 805, IF: 11.205, Q1: 5 – Multidisciplinary; Citations: 187].
22. **Horovitz, O.**, Tsoory, M.M., Hall, J., Jacobson-Pick, S., and Richter-Levin, G. (2012). Post-weaning to pre-pubertal ('juvenile') stress: a model of induced predisposition to stress-related disorders. *Neuroendocrinology*. 95(1): 56-64. DOI: 10.1159/000331393 [H-index: 105, IF: 4.914, Q1: 32 – Endocrinology, 51 – Endocrinology, Diabetes and Metabolism; Q2: 37 – Cellular and Molecular Neuroscience, 9 – Endocrine and Autonomic systems, Citations: 94].
23. Shatil, E., Metzer, A., **Horovitz, O.**, and Miller, A. (2010). Home-based personalized cognitive training in MS patients: a study of adherence and cognitive performance. *NeuroRehabilitation*. 26(2): 143-53. DOI: 10.3233/NRE-2010-0546 [H-index: 69, IF: 2.138, Q2: 51 -Rehabilitation, 89 – Physical Therapy, Sports Therapy and Rehabilitation; Citations: 148].

* - Since the last promotion.

Partnership:

- Papers 1, 3, and 9: Lead author, Head of the group, and the most senior author.
- Paper 2: Single author.
- Papers 5, 11, and 12: Lead author and Head of the group.

- Papers 4, 7, 8, 13, 14, 18, 19, 20, 21, and 22: Lead author with equal authors colleagues and authors more senior.
- Papers 6, 10, 15, 16, 17, and 23: Equal contributed to the study with less or equal authors, colleagues, and more senior authors.

Accepted for Publication

Horovitz, O. (2024). Nutritional Psychology: The interplay between mutrition and mental health. *Frontiers in Nutrition*, [H-index: 61, IF: 5.0, Q1: 51 – Food Science; Q2: 38 – Nutrition and Dietetics].

C. Articles or Chapters in Scientific Books

Published

1. Richter-Levin, G., **Horovitz, O.**, and Tsoory, M. M. (2015). The early adolescent or "juvenile stress" translational animal model of posttraumatic stress disorder. In M. P. Safir, H. S. Wallach, & A. "S." Rizzo (Eds.), *Future directions in post-traumatic stress disorder: Prevention, diagnosis, and treatment* (pp. 65–77). Springer Science + Business Media. https://doi.org/10.1007/978-1-4899-7522-5_3.

D. Articles in Conference Proceedings

1. Zohar, L., Wellner, S., and **Horovitz, O**. (2021). The association between nutrition and depressive symptoms in young adults. (The 24th Annual meeting of the Israeli society for biological psychiatry, Israel).
2. Zohar, L., Wellner, S., Benhos, A., Nimri, L., and **Horovitz, O**. (2021). The interplay between nutrition, psychological well-being, and mental health. (The 24th Annual meeting of the Israeli society for biological psychiatry, Israel).
3. **Horovitz, O.** (2019). What our eating habits might do to our minds: Intervening between the tight interplay between nutrition, psychological well-being, and mental health susceptibility (International Meeting of the International Society for Nutritional Psychiatry Research).
4. **Horovitz, O.**, Lindenfeld, I., Melamed, M. and Shechner, T. (2016). Developmental differences in a social visual search task. Journal of Molecular Neuroscience (25th Annual Meeting of the Israel-Society-for-Neuroscience) - [IF: 2.34 – conference publication; Citations: 0].

5. Ashkenazi-Karni, S., **Horovitz, O.**, Metzger, N., Vered, R., Anunu, R. and Richter-Levin, G. (2013). Exposure to stress differentially affects behavior and expression of Kappa Opioid Receptor and GABA-A receptor in male rats. Journal of Molecular Neuroscience (21st Annual Meeting of the Israel-Society-for-Neuroscience / 1st, Volume: 51) - [IF: 2.34 – conference publication; Citations: 0].
6. **Horovitz, O.**, Ashkenazi-Karni, S. and Richter-Levin, G. (2013). Stress exposure and GABA-A alpha 2 receptor protein expression in emotional neural circuits. *Journal of Molecular Neuroscience* (21st Annual Meeting of the Israel-Society-for-Neuroscience / 1st, Volume: 51) - [IF: 2.34 – conference publication; Citations: 1].
7. **Horovitz, O.**, Strominger, I., Ashkenazi-Karni, S. and Richter-Levin G. (2011). Exposure to stress differentially affects behavior and brain activity in male and female rats. Journal of Molecular Neuroscience. 48(1): 1-132 [IF: 2.34 – conference publication; Citations: 0].
8. **Horovitz, O.**, Ashkenazi-Karni, S. and Richter-Levin G. (2010). How do we react to stress? Possibility for differential activation of primal emotional circuits in the brain. Journal of Molecular Neuroscience. 45(1): 1-135 [IF: 2.34 – conference publication; Citations: 0].

E. Submitted Publications

1. Agryrides, M. and **Horovitz, O**. Navigating the Fine Line: Validating the Teruel Orthorexia Scale in the Israeli Cultural Context for Comprehensive Assessment of Orthorexic Behaviors (Submitted to Assessment Journal, IF: 3.8, H-Index: 100).
2. Bretler-Zager, T., Yatzkar, U., Shenaar-Golan, V., Vilner, Y., Reingewirtz, R., Even-Ezra, N., Bar. N., Edelstein, M., and **Horovitz, O.** Running Therapy Impact on Inpatient and Daycare Centers Youth Mental Health: A Pilot Study (Submitted to Journal of Medical Case Reports, IF: 1.0, H-Index: 36).
3. Nimri, L., and **Horovitz, O.** Fatty acid consumption, nutritional habits, and mental health in a healthy Israeli population (Submitted to Appetite Journal, IF: 5.015, H-Index: 168).
4. Hurvitz, H., and **Horovitz, O**. Mind Over Meal: Affective Neuroscience Perspectives on Emotional Patterns in Eating Disorders (Submitted to the International Journal of Eating Disorders, IF: 5.5, H-Index: 152).

5. Dahan, O., Sciaky-Tamir, Y., Albo, S., Ben Shachar, I., and **Horovitz, O**. Flowing through Birth: exploring post-partum stress and depression across delivery modes (Submitted to Psychiatry Research, IF: 11.3, H-Index: 159).
6. Albo, S., Dhan, O., **Horovitz, O**., Ben-Shachar, I., and Sciaky-Tamir, Y. Illuminating Birth: Exploring the Impact of Delivery Room Lighting on Birth Experience and Outcomes (Submitted to Women and Birth Journal, IF: 3.349, H-Index: 59).

F. Summary of Research Activities and Future Plans

My research journey reflects a multidisciplinary approach. I majored in Psychobiology, and my thesis focused on sex differences & behavioural psychopathological profiles in a rat model of PTSD, resulting in the development of the innovative Characterization of Individual Profiles (CHIP) method. My PhD work encompassed neuro-biochemical and electrophysiological studies, challenging traditional approaches and providing insights into emotional brain responses, fear behaviours, and plasticity changes. My post-Ph.D. contributions included projects shedding light on inhibitory synaptic connectivity and fear extinction mechanisms. Transitioning to clinical research, I explored physiological measurements and designed novel methods for assessing developmental effects. These included studies on the developmental differences in threat detection using eye-tracking in a visual search task, revealing age-related nuances in attention-emotion interplay. In addition, another line of studies was devoted to possible differences in resting state EEG between healthy and anxious children. Four years ago, a significant shift occurred in my research focus towards nutritional psychology, investigating the intricate connections between diet and psychopathologies. My studies encompass behavioural, biological, and neural methodologies, revealing the impact of nutrition on mental health, particularly in eating disorders, anxiety, and depression.

In my higher education career, I began as a lecturer and teaching assistant at the University of Haifa, progressing through roles at the Max Stern Academic College of Emek Yezreel, Tel-Hai Academic College, and Haifa University. Actively engaged in research, I hold reviewer positions for five journals, presented at conferences, and secured research grants. With a focus on nutrition, psychology, and mental health, I've supervised graduate students, received awards and fellowships, and contributed to behavioural neuroscience and psychobiology by publishing papers in refereed journals. Currently, I also aim to do so in nutritional psychology.

I prioritize the real-world impact of my research by advocating for multidisciplinary strategies in clinical and public health settings, highlighting the significance of dietary factors. My dedication to nutrition education, interdisciplinary collaboration, and inclusivity is evident through global partnerships with experts across diverse fields. As the head of the Psychology department, the Educational Psychology MA program, and the Physiology and Behaviour Laboratory director at Tel-Hai Academic College, I am committed to advancing knowledge. Looking ahead, I focus on exploring the intricate connections between food and mood to contribute substantially to mental health and overall well-being.