

CURICULUM VITA

Raed Mualem, (Ph.D., M.Sc., M.H.A., M.A., LL.B)

Personal Information:

Full name: Raed Mualem

Place and date of birth: Israel, 20-08-1961

Citizenship: Israel

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ORICD-[link](#)

Google Scholar-[link](#)

Research Gate-[link](#)

Academia-[link](#)

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DEGREE	FACULTY	DEPARTMENT	UNIVERSITY	YEAR	Link
Post Doctorate	Biochemistry	Engineering Protein	CNRS-France	1996	link
Ph.D.	Life Science	Physiology	Tel-Aviv University	1995	link
M.H.A	School of Business Administration-	Health Systems Administration	Tel-Aviv University	1994	link
M.Sc. magna cum laude	Life Science	Zoology	Tel-Aviv University	1989	link
M.A	Education	Educational Management and Leadership	Tel-Aviv University	2009	link
B.Sc.	Life Science	Biology	Haifa University at Oranim	1986	link
LL.B	Law	Faculty of Law	Tel-Aviv University	2019	link
Teaching certificate	Education	Science education	Haifa University at Oranim	1986	link

Details of Higher Education

Ph. D. Dissertation

Effect of food restriction on the metabolic rate and absorption of water, electrolyte and short chain fatty acid from the colon of desert and non-desert rodents.

Supervision: Prof I., Choshniak, Department of physiology, Tel Aviv University

M.Sc Science Research Dissertation

Environmental heat load, bioenergetics and water economy in two breeds of goats: The Mamber goat versus the desert Bedouin goat

Supervision: Prof A. Shkolnik I., Choshniak. Department of physiology, Tel Aviv University

M.A Educational research project

Mualem.R (2009). Compression study of Management style, school environment, teacher and parent attitude regarding student achievement in Church and public schools in Israel.

Supervision: Prof. Rafi Nachmias, School of Education, Tel Aviv University

Knowledge of Languages

Fluent speaking and writing in: Arabic, English, and Hebrew

Academic Administration position

POSITION	INSTITUTE	YEARS/S
Head	Department of Natural Science and Environment. Academic College of Education Oranim, Israel	2019-Current link
Director	GATER Research Units , El Zaytona University, Palestine	2021-Current LINK
Senior Vice president	Nazareth Academic Institute	2009-2015
Senior Vice president	Mar Elias Campus, Israel branch of University of Indianapolis, USA Associate professor	2001-2009
Senior Vice president of Mar-Elias Educational Institutions	Mar Elias Educational Institutions: Kindergarten, Elementary school, high school, Center for Teacher professional Development.	2001-2008
Vice president of the Catholic school office in Israel.	The Catholic schools churches in Israel	2006-2009
Senior Vice President	Regional Teachers' Center - Mar Elias Educational Institution	1997-2001
Member of National Task Force for the Advancement of the Education System in Israel	Israeli Government, and Minister of Education, Culture, and Sports in Israel	2004-2005

Head of the Science and Technology Department for Arab Bedouins	Academic College of Education Oranim, School of Education	1999-2002
Member of the Management Board	Life and Science Journal (in Arabic)	1998-2002
Member of the Administrative Committee of Education Science and Technology for Teachers in Kindergarten, Elementary and Middle Schools	The National Forum for Science and Technology, Ministry of Education	2006- 2008
Member	National Forum for Regional Teachers' Centers, Ministry of Education	1997-2000
Member of the Management Board	Mar Elias Educational Institutes (MEEI)	1996-2000

Courses taught last 10 Years:

COURSE NAME	INSTITUTE	YEAR/S
Developmental and rehabilitative aspects in the minds of students at risk- Graduate study	The Academic College In Education - Oranim.	2018-current
Ecology and climate crisis- Graduate study- Graduate study	The Academic College In Education - Oranim.	2018-current
Evolution	The Academic College In Education - Oranim.	2000-current
Leadership and the emotional mind	The Academic College In Education - Oranim.	2000-current
Didactics of biology	The Academic College In Education - Oranim.	2000-current
Human Physiology	The Academic College In Education - Oranim.	2000-current
Animals and plants in their environments	The Academic College In Education - Oranim.	2000-2021
Health Education- Graduate study	The Academic College In Education - Oranim.	2009-2021
Comparative physiology- Graduate study	The Academic College In Education - Oranim.	2009-2019
Culture and knowledge :My Health	The Academic College In Education - Oranim.	2016-2021
Seminar in :Child health and Brain development	The Academic College In Education - Oranim.	2008-2020
Seminar in: The challenges of health and the wonders of healing		
Teaching strategy: using IT and science Labs at schools for teaching science and technology	The Academic College In Education - Oranim.	2008-2021
The Significance of shape and size in Animals-- Graduate study	The Academic College In Education - Oranim.	2010-2011
Biology uniformity and diversity in the living world-A	Opine university	2010-current -

Biology uniformity and diversity in the living world-B		2010-current -
Human Physiology	Nazareth Academic Institute	2000-2015
Peace Study- Peace with Environment	Nazareth Academic Institute	2000-2015
Peace Study- Global Problem	Nazareth Academic Institute	2000-2015
Marketing	Nazareth Academic Institute	2012-2013
Ecology	Nazareth Academic Institute	2010-2011
General Biology Ecology Global Problem Marketing Organization Theory and design Consumer Behavior	Mar Elias Campus, Israel branch of University of Indianapolis, USA	2003-2008

Current Professional / Academic Association Membership/s:

- Editorial Board Members of The Official Journal of the International Association of Functional Neurology and Rehabilitation. Nova Science Publishers, Inc. New York, USA.
- Board member of the Research Institute for Brain & rehabilitation Sciences Nazareth, Israel

Selected Publications:

Articles in English

Mualem , R., Cohen, C., Hussein Farraj, R., abuelheija,A., Shance,S (2023) Effect of Excessive Environmental Heat Load on Digestibility, Energy Balance, and Urea Recycling in the Mediterranean (Member) Goat. Engineering and Management (IJSEM). Vol 10, Issue 11, pp.30-37.[link](#)

Cohen,S., Hussein Farraj,R., Shance,S., **Mualem,R.** (2023) The Impact of Computer Games on Cognitive Performance in pupils. International Journal of Science, Engineering and Management (IJSEM).Vol 10, Issue 9, pp.96-101 [link](#)

Karmi, A., Hussein Farraj, R., Cohen, S., Shance, S., **Mualem,R** (2023).Transforming Crisis into Opportunity: Exploring the Educational Potential of the Corona Pandemic through a STEM Approach.International Journal of Science, Engineering and Management (IJSEM), Vol 10, Issue 9, pp 89-95. [link](#)

Mualem,R., Jadon,N., Shance,S., Hussein Farraj,R., Mansour,R., Cohen,S., Zbedat,Z., Machado,C., (2023). The Effect of Dietary Preferences on Academic Performance Among Kindergarten-Aged Children. J. Neuroscience and Neurological Surgery.IF=3.7 [link](#)

Mualem,R ,Belal Badarne,B, Biswas,S Hnout,M Ganem,S Zbedat,Y, Shehadeh,E, Waksman,I , Machado,C (2021). Improvements in cognition and educational attainment as a result of integrating music into science teaching in elementary school. *J. Neuroscience and Neurological Surgery*. 8(5) 1-8; [link](#)

Machado C, **Mualem R**. (2020). It is necessary to move forward on the determination of death by neurologic criteria (BD/DNC). *Frontiers Journal of Neurology and Neuroscience (FJNS) Volume 01* (1), 1-9 [link](#)

Machado, C., **Mualem, R.**, DeFina, P. A., Machado, Y., Chinchilla, E., Cuspineda, E., & Machado, Y. (2020). It Is Imperative the use of Positive Air Pressure (CPAP) in Covid-19 Patients as Soon as the First Respiratory Symptoms Start. *Frontiers Journal of Neurology and Neuroscience*, 1(1), 1-14. [link](#)

Melillo, R. J., Leisman, G., **Mualem, R.**, & Ornai, A. (2020). Persistent Childhood Primitive Reflex Reduction Effects on Cognitive, Sensorimotor and Academic Performance in ADHD. *Frontiers in Public Health*, 8, 1-8. Impact factor = 6.461 [link](#)

Mualem, R., Leisman, G., Zbedat, Y., Ganem, S., Mualem, O., Amaria, M., ... & Ornai, A. (2018). The effect of Movement on cognitive Performance. *Frontiers in public health*, 1-6, 100. Impact factor = 6.461 [link](#)

Leisman, G., **Mualem, R.**, & Mughrabi, S. K. (2015). The neurological development of the child with the educational enrichment in mind. *Psicología Educativa-Journal of Educational Psychology* 21(2), 79-96. Q3 Cite score: 2 [link](#)

Leisman, G., **Mualem, R.** , & Machado, C. (2013). The integration of the neurosciences, child public health, and education practice: hemisphere-specific remediation strategies as a discipline partnered rehabilitation tool in ADD/ADHD. *Frontiers in public health*, volum 1,1-7 Impact factor = 6.461 [link](#)

Leisman,. G. Machado, C., Melillo, R. **Mualem, R.** (2012) .Intentionality and 'Free-Will' From a Neurodevelopmental Perspective. *Frontiers in Integrative Neuroscience*, Volume 6, 1-12. 7 Impact factor = 3.213 [link](#)

Choshniak, I. and **Mualem, R.** (1997). SCFA and electrolytes absorption in colon of three rodents species. *Comparative Biochemical Physiology*, 118A(2), 381-384. Impact factor = 2.888 [link](#) [link](#)

Mualem,R. and Choshniak, I. (1995). Modulation of Water and Solute Transport Following Food Restriction in the Colons of the Levant Vole (*Microtus guenterei*) and the Mouse (*Mus musculus*). *Physiological Zoology* 68, 524-538. Impact factor = 2.322 [link](#)

Mualem, R. Choshniak, I and Shkolnik, A. (1990). Environmental heat load, bioenergetics and water economy in two breeds of goats: The Mamber goat versus the desert Bedouin goat. In: *World Review of Animal production*, Vol. XXV, No 3, July-September, pp 91-95. [link](#)

Knueve, D., **Muaem R.** &, Alkateeb, H (2008) The Lives and Future, of Mar Elias Campus of the University of Indianapolis Graduates. *Journal of McMaster School for Advancing Humanity Defiance College* , USA. pp 156-158. [link](#)

Chapters in Books:

Leisman, G., Melillo, R., **Muaem, R.** and Machado, C., 2012. The effect of music training and production on functional brain organization and cerebral asymmetry. *Art, Science and Technology. Milano, Italy: Domus Argenia*, pp.133-9.[link](#)

Moore, M., **Muaem, R.** (2010). Service Learning as the Bridge for Educational Partnerships: Partnering in Israel. In: Phylis Lan Lin (ed.). *Service Learning in higher education: National and International connections*. University of Indianapolis pres. pp 213-217. [link](#)

Research topic in Frontiers in public health

Education and Health as Social Determinants: The Econeurobiology of Brain Development [link](#)

Others

Machado, C., & Muaem, R. (2021). Reader response: SARS-CoV-2 Related Encephalitis: MRI Pattern of the Olfactory Tract Involvement. *Neurology*. [link](#)

Submitted articles.

1. Muaem,R., Morales-Quezada,L., Hussein Farraj,R., Shance,S., Cohen,S...& Biswas,S (submitted March 2023) . Econeurobiology and brain development in children: key factors that affect the development of brain architecture in children. *Frontiers in Public Health*
2. Muaem, R., Nibal Jadon, N., **Shance ,S.** , Hussein-Farraj,R., Mansour,R., Machado, C (submited April 2023) The Effect Of Dietary Preferences On Academic Performance Among Kindergarten-Aged Children. 6th International Conference of Advanced Research in Education. Cambridge 2023 [link](#)

Articles in other language

Muaem. R (2007) Holiday in Christianity with science application, J.of. AOURIKA a Hebrew journal for educational science 25(12-15), University of Tel Aviv press.

Mualem, R. (2006) The future of the church in Galilee 74th Meeting of R.O.A.C.O ,Vatican, Rome, 23-25 January 2006.

Mualem, R., Bahat, O., Rado, R. Horavich, E., & Sufe, A. (2001). *A man and the vultures*. Ministry of Education, Educational Developmental Unit, North District. (in Hebrew and Arabic).

Mualem, R., Hory, R., Matar, A and Haik, A. (2000). Animal as treatment for the special education pupils.*Regional Teachers Journal*, (2) 23-26.

Mualem, R. & Sabah, A. (2002). The water: The big challenge. *Journal of Science and Life*, 4, (in Arabic).

Active Participation in Scholarly Conferences

The name of the lecture	Place	Conference	Date	link
The Effect Of Dietary Preferences On Academic Performance Among Kindergarten-Aged Children Cambridge, UK	Cambridge, UK	6th International Conference of Advanced Research in Education	2023	link
COVID-19 Pandemic : Health Challenge and Educational Opportunity Integrated STEM Approach	The MOFET Institute, Israel	International conference : STEAM 2022	2022	link
The Agricultural Environment in Kindergarten in Leveraging the STEAM Approach	The MOFET Institute, Israel	International conference : STEAM 2022	2022	link
Model of Physics Research Course Project Integrated STEM Approach	The MOFET Institute, Israel	International conference : STEAM 2022	2022	link
The impact of aerobic and non-aerobic walking on cognitive abilities in science in elementary school children.	Tel Aviv University, Israel	Movement and Cognition	2019	link
The impact of aerobic exercise on cognitive abilities in children from different socioeconomic groups.	Harvard Medical School, Boston, USA	Movement and Cognition	2018	link
The Effect of Ten-Minute Walking on Sequential Memory and Attentional Focus in Early and Middle Childhood.	Oxford, England	Conference in Brain, Body Cognition	2017	link

Motor-Cognitive Interactions in the Nervous System: Obesity and Sedentary Behavior Dumbs Down Cognitive Function in Childhood.	Atlanta, USA	International conference on Childhood Obesity and child Development	2016	link
Brain-Based Learning During Preschool: An Underused Window of Opportunity.	Jerusalem Israel	Forth International Congress on Pediatric Chronic Diseases Disability and Human Development	2015	link
Fauna precipitate the development of intelligence and empathy in early childhood.	Jerusalem Israel.	Third International Congress on Pediatric Chronic Diseases Disability and Human Development	2012	link
Service Learning as the Bridge for Educational Partnerships. University of Indianapolis pres.	Greece.	Third International Symposium of Service-Learning	2009	link
The silkworm as stimulus for implementing the multiple intelligences in kindergarten.	Fribourg, Switzerland:	Early Conference.	2001	link
Man and Griffon Vulture" (Gyps fulvus)-An Educational Program of Jewish and Arab Schools in Israel.	Spain	4 th Eurasian Congress on Raptors	2001	link
Effect of food restrictions on the morphology and transport parameters in the colon of the common spiny mice (Acomys cahirinus).	Haifa Israel	6th International conference Rodens & Spatium	1998	
Sodium and Chloride transport in the colon of Voles.	Holland	Federation of European Physiological Societies	1995	
Effect of food restriction on sodium and chloride absorption in the colon of Microtus socialis.		VIII International Symposium of ruminant Physiology.	1994	

Effect of food restriction on sodium and chloride absorption in the colon of voles.	Tel Aviv, Israel	Israel physiology and pharmacology society meeting	1993	
Food restriction induced modulation of Na/K ATPase activity in epithelial cell from laboratory mice and vole colons.	England	Gastroenterology: European intestinal Transport Group 11 meeting.	1992	
Aids knowledge and attitudes among Moslem, Christina and Jews youth in Israel.	Egypt	The Arab international conference about Aids	1991	
Effect of hot load on the bioenergetics of the Mamber goat.	Israel	Israel Journal of Zoology	1989	

Colloquium Academic talks and other invited Addresses

November 2013 Wien Austria KAICIID Global Forum: The role of Education in promoting mutual understanding, peace and empathy in a multicultural society.

December 2012 Nazareth Hospital, Israel.; Nazareth as a World center for Neuro-Education and Metabolic Diseases.

September 2012 Paris, France.; OECD Roundtable Meeting on Higher Education in Regional and City Development

Lecture; Beyond Human Capital: Development Criteria and the Case of Nazareth

September 2010, Paris, France.; OECD Roundtable Meeting on Higher Education in Regional and City Development

Lecture; The impact of the Nazareth Academic Institute on Regional economic development.

March 2008, Denver,USA;, Graduate school of international studies, University of Denver.

Lecture; Why There is a Hope for Peace in The Middle East.

February 2008, Arezzo, Italy. Rondine cittadella della Pace.

Lecture; Voices Dialoguing approaches to conflict resolution.

January 2006, Rome Italy: The R.O.A.C.O- Official of the Congregation for Oriental Churches in Rome Vaticano.

Lecture; The future of the Catholic Church in Galilee-Israel

Scholarships, Research Grants, Awards, etc.

Scholarships

2004- United State Department of State, USA Bureau of Educational and Cultural Affairs: International Leadership Visitor Program scholarship [link](#)

1991- The prime minister office, Scholarship for Graduate students from the Arab minority graduate with magna cum laude.

1994- The French embassy in Israel, Post Doctorate scholarship in France