

## CURRICULUM VITAE

### Lev Eppelbaum

Date and place of birth: 1959, Tbilisi, Georgia  
(former Soviet Union)

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### INTERNATIONAL AWARDS

- Christian Huygens Medal of the European Geosciences Union (2018-2019) (*Series of Significant Contributions in Geophysics*)
- Gold Vladimir Vernadsky Medal of the Russian Academy of Natural Sciences and Russian Parliament (January 2018) (*Ecological Geophysics*)
- 'The Knight of Science and Arts' of the Russian Academy of Natural Sciences (July 2017) (*Geodynamics and Tectonophysics*)

Google Scholar: No of citations – **4,888**

ResearchGate Attributes: RG Score: **44.32**, number of downloads (reads) – **98,045**, number of citations – **3,472**, recommendations – **297**, total research interest: **2,982**

### A. EDUCATION

Period	Name and Address of School	Subject	Degree of Professional License	Date of Award
1977-1982	Azerbaijani Oil&Gas University, Baku, Azerbaijan	Geophysics	M.Sc.	1982
1985-1989	All-Union Geophysical Inst., Southern Dept. (Baku), Inst. of Geophysics, Georgian Acad. of Sci. (Tbilisi), Moscow Mining Academy	Geophysics	Ph.D.	1989

### B. FURTHER STUDIES

Period	Name and Address of School	Subject	Professional License	Date of Award
1991-1993	Dept. of Geophysics & Planetary Sciences, Tel Aviv University	Interpretation and modeling of potential geophysical fields in the Dead Sea Rift region	Postdoctoral Studies	1993

**C. ACADEMIC AND PROFESSIONAL EXPERIENCE**

<b>Period</b>	<b>Name of Institution (city, country)</b>	<b>Department</b>	<b>Rank/Function</b>
1977 - 1982	All-Union Geological Institute of Non-Ferrous & Rare Metals (summer seasons)	Geophysics	Technician & Senior Technician
Sept. 1982 - July 1983	All-Union Geological Institute of Non-Ferrous & Rare Metals, Southern Branch, Baku, Azerbaijan	Geophysics	Geophysicist
July 1983 - March 1988	All-Union Geophysical Institute, Southern Branch, Baku, Azerbaijan	Gravity & Magnetics	Researcher
March 1988 - Decem. 1990	“ _____ ”	“ _____ ”	Senior Researcher
July 1991 - April 1995	Tel Aviv University, Israel	Geophysical, Atmospheric and Planetary Sciences	Researcher
April 1995 - March 1998	“ _____ ”	“ _____ ”	Senior Researcher
April 1998 - January 2005	“ _____ ”	Dept. of Geophysics	Senior Lecturer/ Researcher
Febr. 2005 -	“ _____ ”	“ _____ ”	Principal Research Assoc. (Assoc. Professor)

**D. ACTIVE PARTICIPATION IN SCIENTIFIC MEETINGS**

**Year Name of Meeting (city, country)**

- 1981 Republic Student Conference, Sumgait, Azerbaijan, USSR
- 1985 Republic Conference of Young Scientists, Baku, USSR
- 1985 All-Union School-Seminar “Interpretation of Potential Fields”, Baku, USSR
- 1987 All-Union Conference “Problems of Searching Deep-Seated Oil&Gas Deposits”, Baku, USSR
- 1987 All-Union Conference “Means for Improving the Geophysical Method Effectiveness”, Moscow, USSR
- 1987 I-st All-Union Conference on Marine Geophysics, Baku, USSR
- 1988 International Conference on Problems of Geology and Geophysics, Baku, USSR
- 1988 All-Union Conference on Multifactor Ore Deposit Models, Tshaltubo, Georgia, USSR
- 1990 All-Union Conference on Problems of Geology and Geophysics, Baku, USSR
- 1991 Conference of the Israel Geological Society, Annual Meeting, Akko, Israel
- 1992 Conference of the Israel Geological Society, Annual Meeting, Ashqelon, Israel
- 1992 International Symposium on Electromagnetic Compatibility “From Unified Region to Unified World”, Tel Aviv, Israel
- 1992 World Geological Congress, Kyoto, Japan
- 1992 **XVII** General Assembly of the European Geophysical Society (EGS). Edinburgh, United Kingdom
- 1993 **VII** Conference of the *EUG*, Strasbourg, France
- 1994 Conference of the Israel Geological Society, Annual Meeting, Ginossar, Israel
- 1995 **II<sup>nd</sup>** International Symposium on the Geology of the Eastern Mediterranean Region, Jerusalem, Israel
- 1995 GAC-MAC Annual Meeting, Victoria, Canada
- 1996 Conference of the Prehistoric Society of Israel, Annual Meeting, Tel Aviv, Israel
- 1996 World Geological Congress, Beijing, China
- 1996 Intern. Meeting of the Society of Explor. Geophysics, Jakarta, Indonesia
- 1997 Colloque D’Archeometrie, Rennes, France

- 1998 International Conference “The Earth’s Thermal Field and Related Research Methods”, Moscow, Russia
- 1998 Conference of the Israel Geological Society, Annual Meeting, Mizpe-Ramon, Israel
- 1998 **XXVI** General Assembly of the Seismological Commission, Tel Aviv, Israel
- 1998 Annual Meeting of the Geological Society of America, Toronto, Canada
- 1998 Conference “Geological Problems of Israel”, Jerusalem, Israel
- 1998 Conference of the Prehistoric Society of Israel, Annual Meeting, Be’er-Sheva, Israel
- 1999 **12<sup>th</sup>** Annual Symposium of the Application of Geophysics to Environmental and Engineering Problems, Oakland, USA
- 1999 Conference of the Israel Geological Society, Annual Meeting, Dead Sea, Israel
- 1999 **24<sup>th</sup>** General Assembly of the EUG, Strasbourg, France
- 2000 **XXV** General Assembly of the European Geophysical Society (EGS), Nice, France
- 2000 **1<sup>th</sup>** Stephan Mueller Conference of the European Geophysical Society, Dead Sea, Israel
- 2000 Tallinn-2000 Intern. Geophysical Conference, Tallinn, Estonia
- 2001 **XXVI** General Assembly of the European Geophysical Society (EGS), Nice, France
- 2001 **XI** Symposium of the EUG, Strasbourg, France
- 2001 Colloque D’Archeometrie, Lya-Roshel, France
- 2001 **IV** International Symposium on the Geology of the Eastern Mediterranean Region, Isparta, Turkey
- 2001 **IV** International Symposium on the Archaeological Prospection, Vienna, Austria
- 2002 Conference of the Israel Geological Society, Annual Meeting, Lake Kinneret, Israel
- 2002 **XXVI** General Assembly of the European Geophysical Society (EGS), Nice, France
- 2002 Conference of the Israel Mathematical Society, Annual Meeting, Mizpe-Ramon, Israel
- 2002 Conference of the Israel Mining Science and Engineering Assoc., Jerusalem, Israel
- 2003 Conference of the Israel Mathematical Society, Annual Meeting, Zikhron-Yakov, Israel
- 2003 **65** Conference of the European Assoc. of Geoscientists and Engineers, Stavanger, Norway
- 2003 Colloquium on the Occasion of the 200th Anniversary of Charles-François Sturm and Workshop on Sturm-Liouville Theory, Geneva, Switzerland

- 2004 1<sup>st</sup> General Assembly of the European Geophysical Union (EGU), Nice, France
- 2004 Joint Assembly of Canadian Geol. Union, Amer. Geophysical Union and Soc. of Exploration Geophysics, Montreal, Canada
- 2004 32<sup>th</sup> International Geological Congress, Florence, Italy
- 2005 2<sup>nd</sup> General Assembly of the European Geophysical Union (EGU), Vienna, Austria
- 2005 6<sup>th</sup> Conference of Archaeological Propection, Roma, Italy
- 2006 3<sup>rd</sup> General Assembly of the European Geophysical Union (EGU), Vienna, Austria
- 2007 Conference of the Israel Geological Society, Annual Meeting, Dead Sea, Israel
- 2007 69 Conference of the European Assoc. of Geoscientists and Engineers, London, Great Britain
- 2008 Workshop “Heat-Flow around the Dead Sea Transform: Problems and Perspectives”, Kibbutz Daliya, Israel
- 2008 5<sup>th</sup> General Assembly of the European Geophysical Union (EGU), Vienna, Austria
- 2008 5<sup>th</sup> European Mathematical Conference, Amsterdam, The Netherlands
- 2008 1<sup>st</sup> International Workshop on “Advances in Remote Sensing for Archaeology and Cultural Heritage Management”, Rome, Italy
- 2009 Kick-Off Intern. Workshop on “Integrated System for Transport Infrastructures surveillance and Monitoring by Electromagnetic Sensing”, Rome, Italy
- 2009 XIV International Congress on Mathematical Physics, Prague, Czech Republic
- 2010 7<sup>th</sup> General Assembly of the European Geoscience Union (EGU), Vienna, Austria
- 2010 20<sup>th</sup> General Meeting of the International Mineralogical Association, Session: Archaeometry, Budapest, Hungary
- 2011 8<sup>th</sup> General Assembly of the European Geoscience Union (EGU), Vienna, Austria
- 2011 Workshop on Sinkhole Hazard Assessment at the Dead Sea Area in Israel - Jordan Multidisciplinary Geophysical Study, Athens, Greece
- 2011 International Workshop on Environmental Geophysics, Cyprus
- 2011 FP7 Workshop on Geophysics Employment in Transport Infrastructure, Rome, Italy
- 2012 9<sup>th</sup> General Assembly of the European Geoscience Union (EGU), Vienna, Austria
- 2012 General Assembly of the EuroScience Open Forum (ESOD), Dublin, Ireland
- 2013 International Workshop on Advanced Ground Penetration Radar IWAGPR2013, Nantes,

France

- 2014 International Workshop on Satellite Gravimetry, Prague, Czech Republic
- 2014 International Workshop on Caucasian Geology & Geophysics, Baku, Azerbaijan
- 2014 International Sedimentological Congress, Geneva, Switzerland
- 2015 International Workshop on Satellite Gravimetry, Tel Aviv, Israel
- 2015 International Workshop on Environmental Geophysics, Grenoble, France
- 2015 International Workshop on Applied Geophysics, Baku, Azerbaijan
- 2016 **13<sup>th</sup>** General Assembly of the European Geoscience Union (EGU), Vienna, Austria
- 2016 INASE Multidisciplinary Conference, Corfu Island, Greece
- 2017 **7<sup>th</sup>** Conf. of the European Survey Research Assoc., Lisbon, Portugal
- 2017 **5<sup>th</sup>** Conf. on the Geology & Hydrocarbon Potential of the Black Sea – Balkan Region, Varna, Bulgaria
- 2017 Workshop at the Cyprus Institute, Nicosia, Cyprus
- 2018 **20<sup>th</sup>** Intern Conference & School on Quantum Electronics: Laser Physics and Applications, Nesebar, Bulgaria
- 2018 Azerbaijan – Israel Workshop on Seismology and Geodynamics, Jerusalem, Israel
- 2019 AAPG Conference, Tel Aviv, Israel
- 2019 **16<sup>th</sup>** General Assembly of the European Geoscience Union (EGU), Vienna, Austria

**E. ACADEMIC AND PROFESSIONAL AWARDS**

**Main Grants**

**Former Soviet Union**

1981-83	Ministry of Geology of the USSR	Integration of surface and underground geophysical observations at Belokan-Zakatal ore field (Greater Caucasus)
1982-83	Ministry of Geology of the USSR	Combined interpretation of geophysical fields at several gold-bearing deposits in the Lesser Caucasus
1983-84	“ _____ ” & Acad. of Sciences of the USSR	Combined interpretation of geophysical fields over the Saatly SuperDeep well area (Azerbaijan)
1984-87	Ministry of Geology of the USSR	Development of a common approach to interpretation of potential and quasi-potential geophysical fields
1986-87	“ _____ ”	Integrated geophysical investigation of Middle Kura Depression, Azerbaijan (implication for hydrocarbon prospecting)
1985-88	“ _____ ”	Physical-geological modeling of profiles across Azerbaijan: tectono-magmatic zonation (interpretation of gravity and magnetic fields with utilization of seismic and magnetotelluric data)
1987-89	“ _____ ”	Development of a common system for interpretation of potential and quasi-potential geophysical fields in polymetallic and gold deposits of the Lesser and Greater Caucasus
1989-90	Ministry of Geology, Oil&Gas Ministry & Academy of Sciences of the USSR	Development of physical-geological substantiation for the quantitative structural-formational interpretation of gravity, magnetic and electrometric data together with data of the seismic-formational and seismic-stratigraphical analysis on the geotraverse Azerbaijan – Caspian Sea – Western Turkmenistan

**ISRAEL**

1991-93	Ministry of Absorption of Israel	Advanced interpretation of potential (gravity, magnetic and thermal) fields in the region of Dead Sea – Arava Valley
1992-94	Ministry of Science of Israel	Development of software for 3-D combined modeling of gravity and magnetic fields and its application in the Dead Sea Rift zone

1995	Ministry of Energy of Israel	Investigation of the Eastern Mediterranean deep structure using advanced interpretation and 3-D modeling of gravity and magnetic fields
1995	Oilfields Ltd., Israel	A combined 3-D interpretation of the Carmel gravity and magnetic anomalies
1996	Oilfields Ltd., Israel	A 3-D reinterpretation of the Ma'anit gravity anomaly
1996	Ministry of Energy of Israel	Integrated geophysical investigation (seismics, gravity and magnetics) of the Eastern Mediterranean deep structure (including Cyprus area)
1996	Internal Tel Aviv University grant	Development of procedures for quantitative interpretation of potential field anomalies in complicated geological conditions
1996	National Center for Cooperation between Science and Archaeology, Weizman Institute	Magnetic survey at archaeological sites of Israel: application of modern procedures
1997	Internal Tel Aviv University grant	Elaboration of <i>VLF</i> -technique for solving various environmental problems
1997-1998	Ministry of Energy and Infrastructure of Israel	Detailed gravity-magnetic investigation of the Lake Kinneret area
1997	National Center for Cooperation between Science and Archaeology, Weizman Institute	Application of modern procedures for interpretation and 3-D modeling of magnetic field in the Nahal Zehora sites
1998-2000	Ministry of Energy and Infrastructure of Israel	Integrated geophysical investigation of the Lake Kinneret area
1998-2002	UNESCO	Climate Change Inferred from the Analysis of the Underground Temperature Field
1999	Government Department of the USA	Combined application of seismics and potential geophysical fields to searching underground water in Ethiopia.
1999	Internal Tel Aviv University grant	Elaboration of Self-Potential method for solving some archaeological and environmental problems
1999	Gordon Center of Energy Investigation	Application of <i>VLF</i> -technique for investigation of subsurface structure in Israel
2000-2002	Ministry of National Infrastructure of Israel	Hebron magnetic anomaly: Integrated analysis of potential geophysical fields
2002	Internal Tel Aviv University grant	Development of advanced methods for localization of archaeological remains in the areas of infrastructure development

2003-2004	Geomage Ltd., Ariel	Consultant on integration of potential geophysical fields and seismics
2003-2005	Ministry of National Infrastructure of Israel	Development of Curie surface map for Israel and Eastern Mediterranean
2006-2008	Ministry of National Infrastructure of Israel	Development of enhanced 3-D physical-geological models of Carmel structure on the basis of potential fields analysis
1998-2012	KVGRS Ltd.	Chief Consultant on geophysics and geology: Integrated geological-geophysical investigations in Makhtesh Ramon and in other areas
2008	NATO	Integrated investigation of sinkholes at Dead Sea borders. <i>Section: Microgravity, Science for Peace</i> program, No. 981128 (with Israeli Geophysical Inst.)
2008	Israel Railway	Development of the most optimal scheme for detailed geophysical examination of areas for new projected railway
2008-2010	Ministry of National Infrastructure of Israel	Investigation of Israeli land deep structure: Terranes, geophysical fields and borehole data analysis
2009-2012	European Commission, FP7 Brussels	Integrated System for Transport Infrastructures Surveillance and Monitoring by Electromagnetic Sensing
2009-2013	MERC Project (USAID)	Sinkhole Hazard Assessment of the Dead Sea Area in Israel and Jordan: Multidisciplinary study
2012-2015	Ministry of National Infrastructure of Israel	Advanced integrated analysis of satellite-derived gravity field and magnetic data in the Eastern Mediterranean: Implication for hydrocarbon structures delineation
2013-2015	Czech Acad. of Sci. – TAU	Geoscience applications of satellite dynamics of the Earth artificial satellites and gravity field modelling
2015	Ministry of National Infrastructure of Israel	Integration of two-dimensional source scaling into the PSHA in Israel and regional zonation applying the gravity-magnetic field analysis
2015-2016	National Azerbaijan Academy of Sciences	Geological-geophysical models of the South Caucasus (Azerbaijan)
2016-2017	Ministry of National Infrastructure of Israel	Estimation of seismic danger in Israel and around
2018	Ministry of National	Estimation of the PSHA parameter in Israel

## Infrastructure of Israel

2015-2020 Cyprus – TAU Foundation Advanced coupled electric-magnetic archaeological prospecting in Cyprus and Israel

**F. MEMBERSHIP IN PROFESSIONAL SOCIETIES**

- Society of Exploration Geophysicists (1991-2019)
- American Geophysical Union (1996-2019)
- European Geosciences Union (2006-2019)
- European Association of Geoscientists & Engineers (2000-2019)
- Association of Mediterranean Geologists and Geophysicists (1994-2019)
- International Society for Archaeological Prospection (2003-2019)
- EARSeL SIG (remote sensing and archaeology) (2007-2019)
- International Association for Promoting Geoethics (2013-2019)
- Israel Geological Society (1993-2019)
- Prehistoric Society of Israel (2000-2019)
- EuroScience (2004-2019)
- International Astronomical Union (2008-2019)

**G. TEACHING EXPERIENCE**

- 1978 - 1982 Seminars at Dept. of Geology and Geophysics, Azerbaijanian Oil&Gas University, Baku, USSR.
- 1987 - 1988 Advanced Training Courses for Geologists and Geophysicists, Association “Azerbaijani Geology”, Baku, USSR.
- 1992 - 2019 Seminars at Dept. of Geophysics & Plan. Sci., Tel Aviv University, Tel Aviv, Israel.
- 1994 - 1997 Development of Handmanuals for students: “3-D combined modeling of gravity and magnetic fields (*GSFC* program)” and “Quantitative interpretation of potential field anomalies”. Dept. of Geophysics, Tel Aviv University.
- 1992 - 2019 Consultations for B.Sc., M.Sc. and PhD students.

**Courses**

- (A) “*Potential Geophysical Fields*” 1998 – 2019
- (B) “*Environmental Geophysics*” 1999 – 2019  
Dept. of Geophysics and Planetary Sciences, Tel Aviv University
- (C) “*Geophysical Methods in Archaeology*” 2011 – 2019  
Dept. of Geophysics and Planetary Sciences, Tel Aviv University
- (D) “*Physical Methods Applied in Archaeology: An Introduction*” 2004  
Dept. of Archaeology, Tel Aviv University
- (E) “*Introduction to Marine Geophysics*” 2008  
Interdisciplinary Marine University, Eilat

**REVIEWING PAPERS IN INTERNATIONAL AND ISRAELI JOURNALS**

- ✓ Acta Geodaetica and Geophysica
- ✓ Acta Geophysica
- ✓ Advances in Geosciences
- ✓ Advances in Materials Science and Engineering
- ✓ Applied Geophysics
- ✓ Archaeological Discovery
- ✓ Archaeological Prospection
- ✓ Archaeometry
- ✓ Atmosphere
- ✓ Bolletino di Geofisica
- ✓ Central European Journal of Geosciences
- ✓ Computers and Geosciences
- ✓ Earth and Planetary Science Letters
- ✓ Earth Sciences Research Journal
- ✓ Earth-Science Reviews
- ✓ Energies
- ✓ Environmental Earth Sciences
- ✓ Exploration Geophysics
- ✓ Geochemistry, Geophysics, Geosystems
- ✓ Geomorphology
- ✓ Geophysics
- ✓ Geophysical Journal International
- ✓ Geophysical Prospecting
- ✓ Geophysical Research Letters
- ✓ Geothermics
- ✓ HAIT Journal of Science and Engineering
- ✓ Intern. Journal of Mining Sci. & Technology
- ✓ ISRN Geophysics
- ✓ Journal of Asian Earth Sciences
- ✓ Journal of Geological Society of London
- ✓ Journal of Geology & Geosciences
- ✓ Journal of Geophysical Research
- ✓ Journal of Geophysics and Engineering
- ✓ Journal of Heat Transfer
- ✓ Journal of Hydrology
- ✓ Journal of Stratigraphy and Sedimentology
- ✓ Marine Geophysical Researches
- ✓ Natural Hazards
- ✓ Near Surface Geophysics
- ✓ New Concepts in Global Tectonics
- ✓ New Journal of Physics
- ✓ Planetary and Space Science
- ✓ Remote Sensing of Environment
- ✓ Scientific Israel
- ✓ Sensors
- ✓ Soil and Foundations
- ✓ The Cryosphere
- ✓ The Open Mineral Processing Journal
- ✓ “Vestnik KRAUNZ”. Earth Sciences

**Associate Editor in International Journals**

Geophysical Instrumentation, Methods and Data Systems: 2010 – present  
International Journal of Materials, Methods & Technologies: 2013 – present

**Member of Editorial Board**

The Open Mineral Processing Journal: 2007 – present  
The Open Petroleum Engineering Journal: 2007 – present  
Positioning: 2010 – present  
Stratigraphy and Sedimentology of Oil-Gas Basins: 2011 – present  
LATINMAG Letters: 2011 – present  
Proceedings of the Azerbaijanian Academy of Sciences: 2013 – present  
International Journal of Earthquake Engineering: 2013 – present  
Archaeological Discovery: 2014 – present  
Journal of Geological Resource and Engineering: 2014 – present  
Contributions to Geosciences: 2015 – present  
AIMS Geosciences: 2016 – present  
Intern. Journal of Energy and Environment: 2016 – present  
International Journal of Mining Sciences: 2016 – present  
International Journal of Emerging Trends in Technology: 2017 – present  
Journal of Geology and Geosciences: 2017 – present  
Terrestrial Heat Flow and Applied Geothermics: 2017 – present  
Russian Journal of Physical Chemistry B (Springer): 2018 – present  
Advances in Geosciences (Guest Editor): 2008 – 2010  
Journal of Geophysics and Engineering (Guest Editor): 2009 – 2010

**ADVISING OF FELLOWSHIP**

Dr. Yusuf K. Kadioglu

(Dept. of Geology, Ankara University, Turkey), July – September 1999, “Application of potential geophysical fields to the investigation of deep structure of Central Antalya (Turkey)”

**CHAIRMAN OF SESSION**

4<sup>th</sup> Intern. Symp. on the Eastern Mediterranean Geology, May 2001, Isparta, Turkey.  
Chairman of Section “Ore Geology”

**CO-CONVENER OF SESSION**

*EGU 2006* General Assembly Session “Geophysical images of the Earth’s interior”, April 2006, Vienna, Austria

**CONVENER OF SESSION**

*EGU 2008* General Assembly Session “Geophysical monitoring of near-surface: past, present and future”, April 2008, Vienna, Austria

**CHAIR OF SESSION**

Sub-surface reconstruction based on GPR, magnetic and electrical tomography for archaeological research, 1<sup>st</sup> International Workshop on “Advances in Remote Sensing for Archaeology and Cultural Heritage Management”, October 2008, Rome, Italy

**Member of Scientific Committee of Workshop**

1<sup>st</sup> International Workshop on “Advances in Remote Sensing for Archaeology and Cultural Heritage Management”, Rome, Italy, October, 2008

**CO-CONVENER OF SESSION**

**EGU 2009** General Assembly Session “Near surface geophysics for the study and the management of historical resources: past, present and future”, April 2009, Vienna, Austria

**CO-CONVENER OF SESSION**

**EGU 2010** General Assembly Session “Integrated non-invasive sensing techniques and geophysical methods for the study and conservation of architectural, archaeological and artistic heritage”, May 2010, Vienna, Austria

**CO-CONVENER OF SESSION**

**EGU 2011** General Assembly Session “Integrated geophysical and physical methods for the study of architectural and environmental features”, Vienna, Austria

**CO-CONVENER OF SESSION**

**EGU 2012** General Assembly Session “Geoscience and non-invasive methods for the study and conservation of cultural heritage”, Vienna, Austria

**CO-CONVENER OF SESSION**

**EGU 2012** General Assembly Session “The Alpine-Himalayan convergence zone: from the Mediterranean to SE Asia”, Vienna, Austria

**CONVENER OF SESSION**

**EGU 2012** General Assembly Session “Geophysical field analysis in complex environments”, Vienna, Austria

**CO-CONVENER OF SESSION**

**EGU 2012** General Assembly Session “Geoscience and Non-Invasive Methods for the Study and Conservation of Cultural Heritage”, Vienna, Austria

**CO-CONVENER OF SESSION**

**EGU 2013** General Assembly Session “Geology and Geophysics of the Caucasian convergence zone”, Vienna, Austria

**CO-CONVENER OF SESSION**

**EGU 2013** General Assembly Session “Geophysical and other Non-Invasive Methods for the Study of Cultural Heritage Targets”, Vienna, Austria

**CONVENER OF SESSION**

**EGU 2013** General Assembly Session “Integrated Studying Karst Phenomenon in Subsurface”, Vienna, Austria

**CONVENER OF SESSION**

IWAGPR2013 – International Workshop on Advanced Ground Penetration Radar, Nantes, France

**CO-CONVENER OF SESSION**

**EGU 2014** General Assembly Session “Geophysical and other Non-Invasive Methods for the Study of Cultural Heritage Targets”, Vienna, Austria

**CO-CONVENER OF SESSION**

**EGU 2015** General Assembly Session “Geophysical and other Non-Invasive Methods for the Study of Cultural Heritage Targets”, Vienna, Austria

**CO-CONVENER OF SESSION**

**EGU 2016** General Assembly Session “Geophysical and other Non-Invasive Methods for the Study of Cultural Heritage Targets”, Vienna, Austria

**CO-CONVENER OF SESSION**

*INASE 2016* Session “Geology and Seismology”, Corfu Island, Greece

**CO-CONVENER OF SESSION**

*EGU 2017* General Assembly Session “Geophysical and other Non-Invasive Methods for the Study of Cultural Heritage Targets”, Vienna, Austria

**CONVENER OF SESSION**

*EGU 2017* General Assembly Session “Geodynamics of the Caucasus-Arabian Syntaxis”, Vienna, Austria

**CONVENER OF SESSION**

*EGU 2018* General Assembly Session “Geodynamics of the Caucasus-Arabian Syntaxis and the East African Rift System”, Vienna, Austria

**CO-CONVENER OF SESSION**

*EGU 2018* General Assembly Session “Geophysical and other Non-Invasive Methods for the Study of Cultural Heritage Targets”, Vienna, Austria

**CONVENER OF SESSION**

Azerbaijan – Israel Workshop (2018) on Seismology and Geodynamics, Jerusalem, Israel

**MEMBERSHIP IN ACADEMIES:**

Foreign Member of the Russian Academy of Natural Sciences (January 2017 –)

**Membership in International Scientific Commissions**

- (1) Rotation of the Earth
- (2) Executive Committee WG Astronomy for Equity and Inclusion
- (3) WebmedCentral Ecology Advisory Board
- (4) Member of the Commission for the Christian Huygens Medal of the European Geosciences Union (2019-2021)

**Membership in Israeli Commission**

Examination of PhD Theses from abroad (2009 – 2012)

**Chairman of Association at Tel Aviv University**

Chairman of KAMEA professional association

**Listing in the International Reference Books**

- ✓ “Who’s Who in America” (1998-2019)
- ✓ “Who’s Who of Professionals” (1998-2019)
- ✓ “Who’s Who in the World” (1999-2019)
- ✓ “Who’s Who in Asia and the Pacific Nations” (1999-2019)
- ✓ “Dictionary of International Biography”, Cambridge (2000-2019)
- ✓ “American Biographical Institute” (2000-2019)

**Hobby: Chess**

- Champion and Vice-Champion (1982 - 1984) of Baku (capital of Azerbaijan)
- Prizewinner of several chess tournaments in Azerbaijan, USSR and Israel
- Member of the Tel Aviv University chess team

**LIST OF PUBLICATIONS****A. BOOKS**

1. Khesin, B.E., Alexeyev, V.V. and **Eppelbaum, L.V.**, 1996. Interpretation of Geophysical Fields in Complicated Environments. *Kluwer Academic Publishers (Springer)*, *Ser.: Modern Approaches in Geophysics*, Boston – Dordrecht – London, 368 p.

The positive reviews to the book were published in:

- (1) “The Leading Edge” (USA), 1997, **16**, No.4, p.404
- (2) “Book Choice” (USA), 1997, **34**, No.6, Sci. & Tech., 34-3320, QC808.
- (3) “Inverse Problems”, 1997, **13**, No. 3, 883, doi: [10.1088/0266-5611/13/3/021](https://doi.org/10.1088/0266-5611/13/3/021)

as well

“Tel Aviv University News”, Fall 1996, p.17.

2. Aleinikov, A.L., Belikov, V.T. and **Eppelbaum, L.V.**, 2001. Some Physical Foundations of Geodynamics (in Russian, contents and summary in English). *Kedem Printing-House*, Tel Aviv, Israel, 172 p.

The positive review to the book was published in:

- (1) “Scientific Israel”, 2002, No.3-4, p.141

3. Pilchin, A.N. and **Eppelbaum, L.V.**, 2006. Iron and its Unique Role in the Earth Evolution. *Monogr., Mexican Geoph. Soc.*, 67 p.
4. **Eppelbaum, L.V.** and Khesin, B.E., 2012. Geophysical Studies in the Caucasus. *Springer*, Heidelberg – N.Y., 411 p.
5. **Eppelbaum, L.V.**, Kutasov, I.M. and Pilchin, A.N., 2014. Applied Geothermics. *Springer*, Heidelberg – N.Y., 751 p.
6. Kutasov, I.M. and **Eppelbaum, L.V.**, 2015. Pressure and Temperature Well Testing. *CRC Press (Taylor and Francis Inc)*, 325 p.
7. Alizadeh, A.M., Guliyev, I.S., Kadirov, F.A., and **Eppelbaum, L.V.**, 2016. Geosciences in Azerbaijan. Volume **I**: Geology. *Springer*, Heidelberg – N.Y., 239 p.

The positive review to the book was published in:

Ruban, D.A., 2017. Zentralblatt für Geologie und Paläontologie, Teil II. № 1-2, 1-2.

8. Alizadeh, A.M., Guliyev, I.S., Kadirov, F.A., and **Eppelbaum, L.V.**, 2017. Geosciences in Azerbaijan. Volume **II**: Economic Minerals and Applied Geophysics. *Springer*, Heidelberg – N.Y., 340 p.
9. **Eppelbaum, L.V.**, 2019. Geophysical Potential Fields: Geological and Environmental Applications. *Elsevier*, Amsterdam – N.Y., 465 p.

**B. CHAPTERS IN BOOKS**

10. Khesin, B.E., Alexeyev, V.V. and **Eppelbaum, L.V.**, 1988. Optimization of geophysical investigations in mountainous regions by increasing the effectiveness of interpretation. *In: Optimization of Prospecting for Economic Ore Minerals in Mountainous Regions* (in Russian). Moscow, Nedra, 79-122.
11. **Eppelbaum, L.V.** and Itkis, S.E., 2000. Magnetic investigations in the Proto-Historic site to the east of Tel Megiddo, *In (Eds. I. Finkelstein, D. Ussishkin and B. Halpern), Monograph Series of the Inst. of Archaeology, Emery and Claire Yass Publications in Archaeology, Tel Aviv University, "Megiddo III", Monogr. Ser. No. 18, 504-514.*
12. Pilchin, A.N. and **Eppelbaum, L.V.**, 2009. The Early Earth and Formation of the Lithosphere, *In: (Eds. Anderson, J.E. and Coates, R.W.), The Lithosphere: Geochemistry, Geology and Geophysics, Nova Science Publishers, N.Y., USA, 1-69.*
13. **Eppelbaum, L.V.**, Itkis, S.E. and Gopher, A., 2012. Detailed interpretation of magnetic data in the Nahal-Zehora site, *In: (Ed. A. Gopher), Monograph Series of the Inst. of Archaeology, Emery and Claire Yass Publications in Archaeology, Tel Aviv University, "The Nahal-Zehora sites – Pottery Neolithic Villages in the Menashe Hills", Monogr. Ser. No. 19, 315-331.*
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