

George Ramishvili

CURRICULUM VITAE

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3. Date of birth 20 January 1965.
4. Education: Tbilisi State University, Mathematic & Mechanics Faculty, Sub-Faculty of Astronomy;
2005 - Candidate of physical-mathematical science. Field: astrophysics.
5. Working experience (during the last 15 years)
2000-2010: Scientific Researcher, Abastumani Astrophysical Observatory, Georgia; from 2010-uptoday: Asoc. professor of Ilia State University.
6. Published scientific works, publications
 1. **Formation and evolution of coronal rain observed by SDO/AIA on February 22, 2012.** Vashalomidze, Z., Kukhianidze, V., Zaqarashvili, T.V., Oliver, R., Shergelashvili B., Ramishvili G., Poedts S. and De Causmaecker P. *Astronomy & Astrophysics* 2015, **A&A 577, A136.**
 2. R. Gvetadze, G. Ramishvili, D. Gvetadze. Chronological and onomastik research of Petre Iberi's areopagetic creativity . Cretain graphical and Babylonian astronomical-cronological systems in Georgian alphabet and monuments. Tbilisi, International Conference, 9-11 October, 2014. pp.36-45.
 3. R. Gvetadze, G. Ramishvili, D. Gvetadze. Archeoastronomical analysis of the Georgian cultural heritage. "Qartvelology", 2013 N2, pp. 63-90.
 4. R. Gvetadze, G. Ramishvili, D. Gvetadze. Coded Logos "Ieroteos" of the Areopagitic work and 2300 anniversary of the Georgian alphabet. International conference "Byzantine studies In Georgia -4" .Tbilisi-Batumi 2013. pp. 66-68.
 5. **In connection with identification of VLF emissions before L'Aquila earthquake** Kachakhidze, M. K.; Kereselidze, Z. A.; Kachakhidze, N. K.; Ramishvili, G. T.; Kukhianidze, V. J. *Natural Hazards and Earth System Science, Volume 12, Issue 4, 2012, pp.1009-1015*
 6. **Connection of large earthquakes occurring moment with the movement of the Sun and the Moon and with the Earth crust tectonic stress character.** M. K. Kachakhidze, R. Kiladze, N. Kachakhidze, V. Kukhianidze, and G. Ramishvili. *Natural Hazards and Earth System Sciences., 10, 1629–1633, 2010.*
 7. Mickaelian A.M., Kochiashvili N., Astsatryan H.V., Harutyunian H.A., Magakian T.Yu., Sargsyan L.A., Sinamyanyan P.K., Mikayelyan G.A., Natsvlishvili R., Chargeishvili K., Kukhianidze V., **Ramishvili G.**, Kochiashvili I. Development of Armenian-Georgian Virtual Observatory CSIT 2009 Proceedings, p. 424-427; 10/2009.
 8. **Specific variations of the atmospheric electric field potential gradient as a possible precursor of Caucasus earthquakes.** N. Kachakhidze, M. Kachakhidze, Z.

- Kereselidze, and G. Ramishvili. Natural Hazards and Earth System Sciences., 9, 1221–1226, 2009, 27.**
9. Earthquakes exogenous initiative factors. Kachakhidze M, **Ramishvili G**, Kachakhidze N, Kiladze R, Kukhianidze V. International year of the planet Earth “Climate, natural resources, natural disasters in the south Caucasus” – papers of the International Conference. Transactions of the Institute of Hydrometeorology, vol. N 115, pp. 354-358. 2008.
 10. **Doppler shift oscillations in solar spicules. T.V. Zaqarashvili, E. Khutsishvili, V. Kukhianidze, and G. Ramishvili. Astronomy & Astrophysics, 474, 627-632. 2007.**
 11. **On the date when Christianity became the state religion of Georgia. M. Sh. Gigolashvili, R.I. Kiladze, V. J. Kukhianidze, G. T. Ramishvili. Astronomical & Astrophysical Transactions. vol. 26, issue 4, pp. 191-201, 08/2007.**
 12. On the possible date of adoption of Christianity as the state religion of Georgia. Rolan I. Kiladze, Marina Sh. Gigolashvili, **Giorgi T. Ramishvili**, Vasili J. Kukhianidze. Bulletin of Georgian Academy of Sciences, 175, N 2, 2007. p. 137-140.
 13. Was King Mirian’s miracle a natural phenomenon?. M. Sh. Gigolashvili, R.I. Kiladze, V. J. Kukhianidze, **G. T. Ramishvili**. Transdisciplinarity in Science and Religion, N 1/2007. pp. 27-29.
 14. Caucasus $4.5 \leq M \leq 5.9$ Earthquakes Regime as a Possible Precursor of the Large Earthquakes, *Bull. of Georgian Academy of sci.*, 2006, v. 174, No 3, 419-423, R. I. Kiladze, N. K. Kachakhidze, **G. T. Ramishvili**, M. K. Kachakhidze, V. D. Kukhianidze
 15. Gigolashvili, M., Cornelissen, G., Tvildiani, L., **Ramishvili, G.**, Janashia, K., Pitiurishvili, P., Otsuka, K., Wang, Z.R., Bakken E.E., Halberg F. Cardiac arrhythmia and space weather. International Conference on the Frontiers of Biomedical Science: Chronobiology, Chengdu, China, September 24-26, 150-154, 2006.
 16. E.S. Babayev, M.Sh. Gigolashvili, F.R. Mustafa, **G.T. Ramishvili**, F.J. Tagizade, S.S. Aliyeva, S.-Z.M.-K. Mikayilova. "An influence of solar activity on the sudden cardiac death", Circular ShAO, No 109, 2005, pp.72-79.
 17. Kiladze R., Kachakhidze M., Kukhianidze V., Kachakhidze N., **Ramishvili G.** Atmospheric Pressure as a Earthquakes Initiative Factor on the Example of the Five Georgia's Earthquakes. Bulletin of Georgian Academy, VOLUME 171, Number 2, March-April, 2005, p. 278-281.
 18. Kiladze R., Kachakhidze M., Kukhianidze V., Kachakhidze N., **Ramishvili G.** Search of Possible Relations Between Large Earthquakes and Astronomic Phenomena: the Caucasian Seismic region. Journal "Vulkanology and Seismology ", 2005, N 3, p. 75-80.
 19. Kiladze R., Kachakhidze M., Kukhianidze V., Kachakhidze N., **Ramishvili G.** Study of Earthquakes And Atmospheric Processes Connected With Them. Bulletin of Georgian Academy of Sciences, 169, N3 , 2004, p. 511-514.
 20. Киладзе Р.И., Качахидзе М.К., Кухианидзе В.Д., Качахидзе Н.К., **Рамишвили Г.Т**, Гиголашвили М. Некоторые соображения о возможной триггерной роли процессов, происходящих на Солнце, для сильных землетрясений в некоторых сейсмоактивных регионах Земли. Труды международной конференции "Исследование солнечной системы", 14-17 июня 2004 г.. ШАО, Азербайджан, ст. 55-61.
 21. Kachakhidze, M.; Kachakhidze, N.; Kiladze, R.; Kukhianidze, V.; **Ramishvili, G.** Exogenous triggering factors at the service of earthquakes early warning. 35th COSPAR Scientific Assembly. Held 18 - 25 July 2004, in Paris, France, p.4408, 2004.
 22. **Tectonic sources of caucasus strong earthquakes. M. Kachakhidze, N. Kachakhidze,**

R. Kiladze, V. Kukhianidze, and G. Ramishvili. Natural Hazards and Earth System Sciences (2004) 4: 43–58.

23. Kachakhidze, M.; Kachakhidze, N.; Kiladze, R.; Kukhianidze, V.; **Ramishvili, G.** Searching of atmospheric electric field potential gradient in order to reveal some earthquakes precursor character EGS - AGU - EUG Joint Assembly, Abstracts from the meeting held in Nice, France, 6 - 11 April 2003, abstract #1040.
24. **Relatively small earthquakes of Javakheti Highland as the precursors of large earthquakes occurring in the Caucasus. M. Kachakhidze, N. Kachakhidze R. Kiladze, V. Kukhianidze, and G. Ramishvili. Natural Hazards and Earth System Sciences (2003) 3: 165–170.**
25. Kiladze R., Kachakhidze M., Kukhianidze V., Kachakhidze N., **Ramishvili G.** Revealing of Tectonical Sources of Large Earthquakes Stress Initiative Waves by the Example of the Caucasus Seismoactive Region. Bulletin of Georgian Academy of Sciences, 167, N2, 2003, p.245-249.
26. Kiladze R., Kachakhidze M., Kukhianidze V., Kachakhidze N., **Ramishvili G.** Study of Relationships Between an Astronomical Phenomena and Strong Earthquakes of Greece by Fourier-analysis. Journal of the Georgian Geophysical Society Issue (A), Physics of Solid Earth, v.7A, 2002. p.110-113.
27. Kachakhidze M., R.Kiladze, V.Kukhianidze, N. Kachakhidze, **G Ramishvili.** Study of Relationships Between an Astronomical Phenomena and Strong Earthquakes of the Caucasus by Fourier-analysis. Bulletin of Georgian Academy of Sciences, 165, N 2, March-April, 2002. p. 296-299.
28. Kachakhidze, M.; Kachakhidze, N.; Kiladze, R.; Kukhianidze, V.; **Ramishvili, G.** Types of Atmospheric Electric Field Perturbations Before Occuring of Earthquakes. EGS XXVII General Assembly, Nice, 21-26 April 2002, abstract #183 2002.
29. Comets in old Georgian historical sources. G. Giorgobiani, **G. Ramishvili.** „TUSI-800” MAJLIS. International Conference. „NASIRADDIN TUSI AND MODERN ASTRONOMY”, devoted to 800 years anniversary of Muhammed Nasiraddin Tusi (4-7 October 2001, ShAO, Pirgulu, Y. Mammadaliyev settlement, the Azerbaijan Republic) PROCEEDINGS, 2002. pp. 57-65.
30. T. Mdzinarishvili, **G. Ramishvili**, T. Zaqarashvili. On a correlation between planetary tides and Solar activity. Abastumani Astrophysical Observatory Bulletin N75, 2000, pp. 29-34.
31. Kiladze R., Kachakhidze M., Kukhianidze V., Kachakhidze N., **Ramishvili G.** Exogenous triggering factor for large earthquakes. Bulletin of Georgian Academy of Sciences, 162, N 3, 2000). p. 464-468.
32. Kiladze R., Kachakhidze M., Kukhianidze V., Kachakhidze N., **Ramishvili G.** Study of possible relationships between strong earthquakes and astronomical phenomena for seismoactive region of Turkey and Greece. Bulletin of Georgian Academy of Sciences, 158, N3, 1998. p. 416-418.
33. R.Kiladze, M.Kachakhidze, V.Kukhianidze, N. Kachakhidze, **G. Ramishvili.** Study of Possible Relationships Between Strong Earthquakes and Astronomical Phenomena for Seismoactive Region of the Caucasus, Turkey and Greece. moambe 1997, N3, vol. 155, pp. 367-369.
34. R.Kiladze, M.Kachakhidze, V.Kukhianidze, N. Kachakhidze, **G Ramishvili.** Study of Possible Relationships Between Large Earthquakes and Astronomical Phenomena for Seismoactive Region of Turkey-Greece. Proceedings of Geophysical Centre, volume 1, Tbilisi, 1996, pp. 50-56.

- Dynamics of a solar giant tornado observed by SDO/AIA on November 7-8, 2012. Irakli Mghebrishvili, Teimuraz V. Zaqarashvili, Vasil Kukhianidze, Giorgi Ramishvili, Bidzina Shergelashvili, Astrid Veronig and Stefaan Poedts. ApJ 2015 (in press).
- მიწისძვრის წინამორბედები და მაინცირებელი ფაქტორები : მონოგრაფია / მანანა კაჭახიძე, ნინო კაჭახიძე, გიორგი რამიშვილი, ვასილ კუხიანიძე ; რედ. ზურაბ ხვედელიძე ; საქ. საპატრიარქოს წმ. ანდრია პირველწოდებულის სახ. ქართ. უნ-ტი, ე. ხარაპის აბასთუმნის ასტროფიზ. ობსერვატორია. - თბილისი : უნივერსალი, **2014.** - **147** გვ.

7. Participation in various scientific forums

„TUSI-800” MAJLIS. International Conference. „NASIRADDIN TUSI AND MODERN ASTRONOMY”, devoted to 800 years anniversary of Muhammed Nasiraddin Tusi (4-7 October 2001, ShAO, Pirgulu, Y. Mammadaliyev settlement, the Azerbaijan Republic).

INTERNATIONAL CONFERENCE."Assessment of seismic hazards and risk in the oil-gas bearing areas".United Institute of Earth Physics of Russian Academy of Sciences. October 28-30, 2002. Baku. 100-anniversary of Shamakha earthquake).

General Assembly of European Geophysical Society, 24-30, April, 2003; Nice.

International Conference. "SOLAR SYSTEM RESEARCHES: Perspectives of collaboration with ShAO".Proceedings. 14-17 June, 2004.

International Heliophysical Year. Regional planning meeting for the Balkan and Black Sea region. Sozopol, 6-8 june, 2005. Bulgaria.

35-th COSPAR Scientific Assembly, 18-25, July, 2005. Berlin.

The International Annual Meeting of the Balkans, Black Sea and Caspian Sea Regional Network on Space Weather Studies, March 30 - April 1, 2006, Antalya, Turkey;

Hazards 2006, 22-25 June 2006, University of Patras (Greece), Conference and Cultural Centre.

“Climate, natural resources, natural disasters in the south Caucasus” –International Conference, Tbilisi 2008.

International conference "Byzantine studies In Georgia-4". Tbilisi-Batumi, 24-26 september, 2013.

Certain graphical and Babylonian astronomical-cronological systems in Georgian alphabet and monuments. Tbilisi, International Conference, 9-11 October, 2014

8. Participation in grant projects

1. Powerful Computer Network for Image Analysis and Numerical Calculations at the AAO. ESO C&EE Scientific and Technical Programs; N: A-05-012 (1/04/1994-31/03/1996).
2. Travel Grant TG/45/98 (July 1998) from Open Society - Georgia Foundation (OSGF).

3. Grant of Science and Technology Department of Georgia: "Estimating of Seismic Danger in the Territory of Georgia.
4. Searching of the Caucasus large earthquakes precursors and initiative factors. Grant of Science and Technology Department of Georgia: (1/01/1998-31/12/1999).
5. INTAS Open Call 1997 2126 (1/12/1998-30/11/2000). A new approach to analysing fuzzy data and decision-making regarding the possibility of earthquake occurrence.
6. INTAS Open Call 1997 31931 (1/05/2000-30/04/2002). Interaction of MHD Waves and Flows in Astrophysical Plasmas
7. Georgian National Science Foundation N: GNSF/ST06/4-098. Waves in the solar atmosphere: their excitation, propagation and role in chromospheric/coronal heating. 2006-2009.
8. ISTC A-1606. Development of Armenian-Georgian Grid Infrastructure and Applications in the Fields of High Energy Physics, Astrophysics and Quantum Physics
9. Georgian National Science Foundation N: GNSF1-4/05. Magnetoseismology of Solar Atmosphere. 2010-2012.
10. SEVENTH FRAMEWORK PROGRAMME (FP7-269299), Solar and Space Weather Network of Excellence SOLSPANET.
11. Georgian National Science Foundation: № **D-13/05** (2012-2015) . Non-equilibrium effects of the solar wind and corona: Solar and space weather research methods.
12. ISTC Project **G-2094** (2014-2015).

9. Knowledge of foreign languages
Georgian (native), Russian (excellent), English.