

Prof. Irakli Simonia

The List of selected Publications 1994-2019

Development of the theory: Astronomy in Ancient Georgia

1. Simonia, I. Ancient Astronomical Knowledge: the Unity of Diversity. Astronomical Heritage of the Middle East. ASP Conference Series, Vol. 520, proceedings of a conference held (13-17 November 2017) the Armenian National Academy of Sciences in Yerevan, Armenia. Edited by Sona V. Farmanyan, Areg M. Mickaelian, J. McKim Malville, and Mohammad Bagheri. San Francisco: Astronomical Society of the Pacific, 2019, p.59 – 70.
2. Simonia, I. The Astronomical Significance of the Manuscript “Star Book.” Scholars’ Press, 2018. ISBN 978-620-2-31242-4 The monograph.
3. Simonia, I. A. Astronomical Manuscripts in Georgia – Little Studied Pages of the Medieval Science. Studies in the History of Astronomy, No 40, pp. 346 -363. S.I. Vavilov Institute for the History of Sciences and Technology of the RAS, ed. By G.E. Kurtik, Dubna:Phoenix+, 2018. ISBN 978-5-9279-0221-7
4. Simonia, I.; Simonia, Ts.; Abuladze, T.; Chkhikvadze, N.; Samkurashvili, L.; Pataridze, K. DVD Database Astronomical Manuscripts in Georgia. Astronomical Surveys and Big Data: Proceedings of an International Symposium dedicated to the 50th anniversary of the Markarian Survey and the 10th anniversary of the Armenian Virtual Observatory held at Byurakan Astrophysical Observatory, Byurakan, Armenia on 5-8 October 2015. Edited by Areg M. Mickaelian, Andy Lawrence and Tigran Yu. Magakian. ASP Conference Series, Vol. 505, 2016, p.252 – 261.
5. Simonia, I., Jijelava, B., Gigauri, G., Houston, G. L. Observational and Cult Sites in Pre-Christian Georgia. Handbook of Archaeoastronomy and Ethnoastronomy, ISBN 978-1-4614-6140-1. Springer Science+Business Media New York, 2015, p. 1461 – 1467.
6. Simonia, I., Jijelava, B. Astronomy in the Ancient Caucasus. Handbook of Archaeoastronomy and Ethnoastronomy, ISBN 978-1-4614-6140-1. Springer Science+Business Media New York, 2015, p. 1443 – 1451.
7. Simonia, I., Abuladze, T., Chkhikvadze, N., Samkurashvili, L., Simonia, Ts., Pataridze, K., Meladze, G. Astronomical Manuscripts in Georgia. Iliia State University Press, ISBN 978-9941-18-225-9, 2015, Tbilisi, Georgia.
8. Simonia, I. Astronomical Significance of Ancient Monuments The Inspiration of Astronomical Phenomena VI. Proceedings of a conference held October 18-23, 2009 in Venezia, Italy. Edited by Enrico Maria Corsini. ASP Conference Series, Vol. 441. San Francisco: Astronomical Society of the Pacific, 2011, p.487 – 493.
9. Simonia, I., Simonia, Ts. Substances of the Ancient Cosmology. The Inspiration of Astronomical Phenomena VI. Proceedings of a conference held October 18-23, 2009 in Venezia, Italy. Edited by Enrico Maria Corsini. ASP Conference Series, Vol. 441. San Francisco: Astronomical Society of the Pacific, 2011, p.409 – 413.
10. Simonia, I., Ruggles, C., Bakhtadze, N. An astronomical investigation of the seventeen hundred year old Nekresi fire temple. Journal of Astronomical History and Heritage (ISSN 1440-2807), Vol. 12, No. 3, p. 235 – 239, 2009.

11. Simonia, I., Ruggles, C., Chagunava, R. Ethnographic and literary reflections on ancient Georgian astronomical heritage. *Journal of Astronomical History and Heritage* (ISSN 1440-2807), Vol. 11, No. 3, p. 213 – 218, 2008.
12. Simonia, I., Simonia, Ts. Metal Artifacts As a Mirror of Ancient Georgian Astronomical World View. *Current Studies in Archaeoastronomy. Conversations Across Time and Space. Selected papers from the Fifth Oxford International Conference at Santa Fe, 1996.* Eds. John W. Fountain, Rolf M. Sinclair. ISBN 0-89089-771-9. Carolina Academic Press, 2005, pp.435-440.
13. Simonia, I. Old Georgian Astronomical Manuscripts. *The Journal of Astronomical Data*, Vol. 10, pp. 121 -133, 2004.
14. Simonia, I. Abuserisdze Tbeli in Context of the Development of Ancient Georgian Astronomy. *Bulletin of the Georgian Academy of Sciences*, vol., 168, No 3, pp. 609-612, 2003.
15. Simonia, I. Little known aspects of the history of Georgian astronomy. *Journal of Astronomical History and Heritage* (ISSN 1440-2807), Vol. 4, No. 1, p. 59-73, 2001.
16. Simonia, I., Chagunava, R. Nasireddin Tousy's role in Georgian Astronomical Practice. *Azerbaijan Academy of Sciences, Circular of the Shamakhy Astrophysical Observatory Named after N. Tousi*, vol., 98 pp. 25 – 28, 2000.
17. Simonia, I. Ancient Georgian Cosmogram. *Azerbaijan Academy of Sciences, Circular of the Shamakhy Astrophysical Observatory Named after N. Tousi*, vol., 99, pp.13 – 15, 2000.
18. Simonia, I., Simonia, Ts. The East and the West and Astronomy in Georgia. *Time and Astronomy at the Meeting of Two Worlds, Proceedings of the International Symposium held in April 27- May 2, 1992 in Frombork, Poland.* Eds. Iwaniszewski,S; Lebeuf,A; Wiercinski,A; Ziolkowski,M., 1994, p. 487-493. ISBN 83-85620-60-5.

1. Simonia, Ts., Simonia, I. Digital Projection of Ancient Astronomical Heritage. *Astronomical Heritage of the Middle East. ASP Conference Series, Vol. 520, proceedings of a conference held (13-17 November 2017) the Armenian National Academy of Sciences in Yerevan, Armenia.* Edited by Sona V. Farmanyan, Areg M. Mickaelian, J. McKim Malville, and Mohammad Bagheri. San Francisco: Astronomical Society of the Pacific, 2019, p.127 – 132.
2. Jijelava, B., Holbrook, J., Simonia, I. Cultural, Ethnographical and Religious Context of Georgian Folklore. *Science and Culture*, Vol. 83, No. 5-6, p. 134-138, May-June, 2017
3. Jijelava, B., Holbrook, J., Simonia, I. Astronomical Context of Georgian Folklore. *Indian Journal of Science and Technology*, Vol. 9, No. 37, pp. 1-8, 2016, DOI: 10.17485/ijst/2016/v9i37/94312
4. Jijelava, B., Simonia, I. Megalithic Monument of Abuli, Georgia, and Possible Astronomical Significance. *Indian Journal of Science and Technology*, Vol. 9, No. 31, pp. 1 -5, 2016. DOI: 10.17485/ijst/2016/v9i31/91741
5. Sauter, J., Simonia, I., Stephenson, F.R., Orchiston, W. Historical Astronomy of the Caucasus: Sources from Georgia and Armenia. *New Insights From Recent Studies in Historical Astronomy: Following in the Footsteps of F. Richard Stephenson, Astrophysics and Space Science*

Proceedings, Volume 43. ISBN 978-3-319-07613-3. Springer International Publishing Switzerland, 2015, p. 103 – 117.

6. Sauter, J., Simonia, I., Stephenson, F.R., Orchiston, W. The Legendary Fourth-Century Total Solar Eclipse in Georgia: Fact or Fantasy? New Insights From Recent Studies in Historical Astronomy: Following in the Footsteps of F. Richard Stephenson, Astrophysics and Space Science Proceedings, Volume 43. ISBN 978-3-319-07613-3. Springer International Publishing Switzerland, 2015, p. 25 – 45.

7. Bronshten, V.A., Simonia, I.A. From the History of Tiflis Observatory in XIX century (1834-1880). Istoriko-astronomicheskie issledovaniia, Vyp. 25, Ed. Idlis G. M., Moscow, Nauka, 2000, pp. 30-41.