



**Endi Varsimashvili**

**Position**

Senior Scientist of Department of Petrology, Volcanology, Mineralogy and Lithology of Alexandre Janelidze Institute of Geology of Ivane Javakhsishvili Tbilisi State University.

**Scientific/academic degree, title**

Doctor of geological-mineralogical sciences (2000). Thesis for Doctor's degree – "Evolution and Lithogenesis of Lower Cretaceous Sediments of the Eastern Basin Flysch Accumulation in the Marginal Sea of the Greater Caucasus."

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**Education**

1951-1956 – Tbilisi State University, Engineer-geologist.

**Employment history**

2017 - present – Senior Scientist of the Department of Petrology, Volcanology, Mineralogy and Lithology of Alexandre Janelidze Institute of Geology of Ivane Javakhsishvili Tbilisi State University;

2015-2017 – Senior Scientist of the Department of Petrology, Volcanology, Mineralogy and Lithology of Alexandre Janelidze Institute of Geology of Ivane Javakhsishvili Tbilisi State University;

2010-2014 – Chief Scientist of the Department of Petrology, Volcanology, Mineralogy and Lithology of Alexandre Janelidze Institute of Geology;

2005-2009 – Head of the Department of Lithology and Volcanology of the Alexandre Janelidze Institute of Geology;

2001-2005 – Leading Scientist of the Department of Lithology and Volcanology of Al. Djanelidze Geological Institute of the Georgian Academy of Sciences;

1975-2001 – Senior Scientist of the Department of Lithology and Volcanology of Al. Djanelidze Geological Institute;

1957-1975 – Junior Scientist of the Department of Lithology and Volcanology of Al. Djanelidze Geological Institute.

### **Research interests**

Lithology, sedimentology, paleogeography, sedimentary basins.

### **Publications**

1. ***Endi Varsimashvili, Nino Kobakhidze*** (2020). Conditions of genesis of Late-Cretaceous flysch sediments of the Southern slope of the Greater Caucasus. Proceedings of Al.Janelidze Institute of Geology of Iv.Javakhishvili Tbilisi State University, New series, issue 132, pp.110-117.
2. ***E. Varsimashvili, S. Meparishvili*** (2017). Flysch character of the upper Jurassic-Cretaceous formation of the Caucasus marginal sea eastern basin and some issues of its origin. Bull. of the Geor. Nat. Acad. of Sci., vol. 11, no. 2, pp. 90-95.
3. ***E. Varsimashvili*** (2015). Post-sedimentary transformations in the Upper Jurassic-Cretaceous flysch formation of the Eastern basin of the marginal sea of the Greater Caucasus (within Georgia). Proceedings of Al.Janelidze Institute of Geology of Iv.Javakhishvili Tbilisi State University, New series, issue 127, pp.134-137.
4. ***E. Varsimashvili*** (2013). Lithology and Post-sedimentary Transformations of Upper Jurassic-Cretaceous Flysch Formation of the Eastern Basin of the Greater Caucasus Marginal Sea (within the limits of Georgia). Monograph, Al. Janelidze Institute of Geology, New Series, issue 126, 168 p.
5. ***E. Varsimashvili*** (2010). Terrigenous mineralogy of the Upper Cretaceous flysch formation of the eastern basin of the Greater Caucasus marginal sea. Proceedings of Al. Janelidze Institute of Geology, New Series, issue 125. pp. 137-114.
6. ***E. Varsimashvili*** (2008). Comparative lithology of Early Cretaceous sedimentary formations of Georgia. Proceedings of Al. Janelidze Institute of Geology, New Series, issue 124, pp. 338-347.
7. ***E. Varsimashvili*** (2005). Evolution of sedimentation and lithogenesis of the Lower Cretaceous sediments of the eastern flysch basin of the Greater Caucasus marginal sea Monograph, Al. Janelidze Institute of Geology, New Series, issue 121, 152 p.
8. ***E. Varsimashvili*** (2004). Evolution of Early Cretaceous flysch sedimentary basin of the marginal sea of the Greater Caucasus. Proceedings of Al. Janelidze Institute of Geology, New Series, issue 119, pp. 648-656.
9. ***E. Varsimashvili*** (2002). Sedimentary peculiarities and lithogenesis of the Lower Cretaceous epicontinental-marine deposits of Georgia. Proceedings of Al. Janelidze Institute of Geology, New Series, issue 117, pp. 223-232.
10. ***E. Varsimashvili*** (2000). Geocomplexes and Evolution of Early Cretaceous Basin of Flysch Sedimentation in Georgia. Bull. of the Geor. Nat. Acad. of Sci., vol. 162, no. 2, pp. 293-296.
11. ***E. Varsimashvili*** (2000). Regularities of structure and forming conditions of Early Cretaceous flysch formation of Georgia. Proceedings of Al. Janelidze Institute of Geology of the Acad.Sci of Georgia, New Series, issue 115, pp. 250-256.
12. ***E. Varsimashvili*** (1999). Terrigenous mineralogy of the Early Cretaceous formations of Georgia. Proceedings of Al. Janelidze Geological Institute of the Acad. Sci. of Georgia, New Series, issue 114, pp. 257-260.

13. *E. Varsimashvili* (1998). Lithology of Early Cretaceous sub-platform sediments of Abkhazia. Proceedings of Al. Janelidze Geological Institute of the Acad. Sci. of Georgia. Pp.252-258
14. *E. Varsimashvili* (1994). Evolution of sedimentary basins and lithogenesis of the Early Cretaceous deposits of the Greater Caucasus Southern slope. Proceedings of Al. Janelidze Geological Institute of the Acad. Sci. of Georgia, New Series, issue 107, pp. 211-221.
15. *E. Varsimashvili* (1993). Evolution of the Early Cretaceous sedimentation and forming of the flysch formation of the Greater Caucasus Southern slope geosynclines. Petrology, mineralogy and tectonics. "Metsniereba". Pp. 127-134.
16. *E. Varsimashvili* (1992). Sedimentological peculiarities and genetic types of flysch deposits in the Early Cretaceous basin of the Greater Caucasus Southern slope. Lithology and useful minerals. V.4, pp. 39-50.
17. *E. Varsimashvili, T. Giorgibiani, M. Topchishvili* (1991). Tectonic structure of the Khashrula-Tetrakhevi intersection of the Tianeti ridge. Bull. of the Acad. Sci. of GSSR, vol. 144, № 3, pp. 397-398.
18. *E. Varsimashvili, I. Chechelashvili* (1989). Cretaceous lithofacies and sedimentary formations of Georgia. Bull. of the Acad. Sci. of GSSR, vol.136, №2, pp. 361-364.
19. *E. Varsimashvili, G. Chikhradze, I. Nachev* (1984). Jurassic sedimentary geocomplexes in Bulgaria and Georgia. "Metsniereba", 98 p.
20. *E. Varsimashvili, I. Chechelashvili* (1983). Terrigenous-mineralogical provinces and paleogeography of the Lower Cretaceous flysch of the Greater Caucasus Southern slope. Bull. of the Acad. Sci. of GSSR, vol. 109, №1, pp. 93-96.
21. *E. Varsimashvili* (1981). Lithology of the Upper Jurassic-Cretaceous deposits of the Greater Caucasus Southern slope. Proceedings of Al. Janelidze Geological Institute of the Acad. Sci. of Georgia, New Series, issue 72, pp. 84-129.
22. *E. Varsimashvili* (1978). On the types of the Lower Cretaceous flysch of the Greater Caucasus Southern slope. Bull. of the Acad. Sci. of GSSR, vol.91, №2, pp. 365-368.
23. *E. Varsimashvili* (1978). Bryozoan horizon in the Lower Cretaceous terrigenous flysch of the Greater Caucasus Southern slope. Bull. of the Acad. Sci. of GSSR, vol.91, №1, pp. 85-88.
24. *E. Varsimashvili* (1978). Some issues of lithology and the genesis of the Lower Cretaceous flysch of the Greater Caucasus Southern slope (Aragvi-Alazani interfluve). Bull. of the Acad. Sci. of GSSR, vol. 90, №2, pp. 417-419.
25. *E. Varsimashvili, I. Chechelashvili* (1978). Lithology and issues of the genesis of the Upper Jurassic-Cretaceous flysch of the Shovi-Pasanauri subzone of the Greater Caucasus Southern slope. Proceedings of Al. Janelidze Geological Institute of the Acad. Sci. of Georgia, New Series, issue 59, pp. 21-28.
26. *E. Varsimashvili* (1976). Lithological division of the Lower Cretaceous deposits of the Aragvi-Alazani interfluve. Bull. of the Acad. Sci. of GSSR, vol.84, №1, pp. 137-140.
27. *E. Varsimashvili* (1973). Mineralogy of terrigenous stable accessories of the Pasanauri Formation. Bull. of the Acad. Sci. of GSSR, vol.72, №1, pp 125-128.
28. *E. Varsimashvili* (1973). Mineral associations in the Lower Cretaceous flysch deposits of the Greater Caucasus Southern slope. Bull. of the Acad. Sci. of GSSR, vol.72, №1, pp. 133-136.
29. *E. Varsimashvili* (1972). Post-sedimentary transformations in the Lower Cretaceous terrigenous flysch deposits of South Ossetia and Racha. Bull. of the Acad. Sci. of GSSR, vol.68, №2, pp. 373-376.

30. *E. Varsimashvili* (1972). On the division of the Lower Cretaceous terrigenous flysch deposits of the Shovi-Pasanauri subzone of the folded system of the Greater Caucasus Southern slope. Bull. of the Acad. Sci. of GSSR, vol.67, №2, pp. 373-376.
31. *E. Varsimashvili* (1969). About the Lower Cretaceous terrigenous flysch types of the Rion river basin. Bull. of the Acad. Sci. of GSSR, vol.N1, pp. 361-364. (in Georgian).
32. *E. Varsimashvili* (1969). Diabase-porphyrite in the Lower Cretaceous terrigenous flysch of the Rion river basin. Bull. of the Acad. Sci. of GSSR, vol.N1, pp. 137-140. (in Georgian)
33. *E. Varsimashvili* (1969). Pelitoliths of the Lower Cretaceous terrigenous flysch sediments of the Rion river basin. Bull. of the Acad. Sci. of GSSR, vol. XIII, N1, pp. 37-41. (in Georgian).
34. *E. Varsimashvili* (1966). On the issue of division of flysch deposits in the Upper Racha. Bull. of the Acad. Sci. of GSSR, vol.XIII, №2, pp. 15-21.
35. *E. Varsimashvili* (1964). For the lithology of the Lower Cretaceous sediments of the Rioni headwaters. Bull. of the Acad. Sci. of GSSR, vol. XXXV, N1, pp. 117-124. (in Georgian).

### **Participation in scientific events**

1. Evolution of flysch sedimentation in the Early Cretaceous sedimentary basin of the Greater Caucasus Southern slope. **Varsimashvili E.** Scientific session dedicated to the 60-s anniversary of Al. Janelidze Geological Institute. 1993, Tbilisi Georgia. Abstracts, pp.20-30 (in Georgian).
2. Paleogeography of the Greater Caucasus Southern slope in the Early Cretaceous Time. **Varsimashvili E.** Scientific session dedicated to the 60-s anniversary of Al. Janelidze Geological Institute. 1995, Tbilisi Georgia. Abstracts, pp. 31-32 (in Georgian).
3. Evolution of Lower Cretaceous flysch sedimentary basin of the marginal sea of the Greater Caucasus in Georgia. **Varsimashvili E.** Conference dedicated to the 100th anniversary of Academician Petre Gamkrelidze. Alexandre Janelidze Institute of Geology. 2003. Tbilisi, Georgia.
4. Postsedimentary changes in the upper Jurassic-Cretaceous flysch deposits of the eastern basin of the Greater Caucasus Marginal Sea (EBGCMs). **Varsimashvili E.,** Gagnidze N. The International Scientific Conference "Problems of Geology of the Caucasus". Tbilisi, Georgia, 2010. Abstract book, pp. 112-114.
5. Upper Eocene Olistostromes matrix and related concretions. Gagnidze N., **Varsimashvili E.** The International Scientific Conference "Problems of Geology of the Caucasus". Tbilisi, Georgia, 2010. Abstract book.
6. Post-sedimentary transformations in the Upper Jurassic-Cretaceous flysch formation of the Western basin of the marginal sea of the Greater Caucasus. **Varsimashvili E.** VII Lithological Conference of Russia. 2013, Novosibirsk, Russia
7. Comparative lithology of lower Cretaceous flysch of Georgia and Azerbaijan. **Varsimashvili E.,** Mepharishvili S. Mineralogical Society of Georgia, 3<sup>th</sup> International Scientific-Practical Conference on Up-to-date Problems of Geology. Tbilisi, Georgia. 2017. Abstract book, pp. 129-130.
8. On the Lithology of Paleocene-Lower Eocene Deposits of the Achara-Trialeti Folded Zone: The Lesser Caucasus. **Varsimashvili E.,** Kobakhidze N. International Conference on Physical Geology and Geological Sciences. 2019. Amsterdam, the Netherlands. World Academy of Sciences, Engineering and Technology.

### **Scientific grants**

1. "Late Jurassic-Early Cretaceous biosedimentary cycles and paleo-reconstruction of the Georgian block within Racha-Lechkhumi". 1997-1999. Georgian National Academy of Sciences. Key personnel.
2. "Sedimentary characteristics and lithogenesis of Lower Cretaceous epicontinental deposits of Western Georgia". 2000-2001. Georgian National Academy of Sciences. Key personnel.
3. "History of Geological Evolution of the Black and Caspian Seas in the Quaternary and Geological Problems of the Georgian Black Sea Coast". 2001-2002. Georgian National Academy of Sciences. Key personnel.
4. "Paleogeography of Georgia in the Quaternary". 2002-2003. Georgian National Academy of Sciences. Key personnel.
5. "Georgian Black Sea Coast for 2025 and its integrated management programme". 2004-2005. Georgian National Academy of Sciences. Key personnel.