



**Aleksandre Razmadze**

**Position**

Al. Janelidze Institute of Geology of Iv. Javakhishvili Tbilisi State University, Department of Tectonic and Regional Geology, Senior Researcher.

**Scientific/academic degree, title**

PhD Degree in Geology (2021). Dissertation: 2D and 3D Structural Modeling of the Western Gare Kakheti for Hydrocarbon Traps (Geometry) and for Forecasting.

**Contact information**

Phone: 2 14 49 52 (home), 599 62 11 17

Email: [alexsandre.razmadze@tsu.ge](mailto:alexsandre.razmadze@tsu.ge)

**Education**

1995-1999 – Georgian Technical University, Faculty of Geology, Mining-Engineer-Geologist (Bachelor);

2000-2002 – Georgian Technical University, Faculty of Geology, Master of Engineering (Master);

2017-2021 – Georgian Technical University, Faculty of Geology, PhD Degree in Geology.

**Employment history**

2002-2009 – Al.Janelidze Institute of Geology of Georgian Academy of Science, Department of Geochemistry and Isotope Geochronology, Research Scientist.

2015 – up to date – Nodia Institute of Geophysics of Iv. Javakhishvili Tbilisi State University, Earth Physics and Geomagnetism Sector. Consultant.

2022 - up to date – Al. Janelidze Institute of Geology of Iv. Javakhishvili Tbilisi State University, Department of Tectonic and Regional Geology, Senior Researcher.

**Research interests**

Structural geology and tectonics are the main scientific research interest; Faults and related folds, syntectonic sediments, their formation and geometry, structural style of deformation and kinematic modeling. Foreland basins (Mtkvari and Rion), oil and gas deposits. Interpretation of seismic profiles. Also, mineralogy, petrography, geochronology and hydrogeology. Modern special computer programs.

### **Publications**

1. **Razmadze, A.** (2021). 2-3D Structural Model of the Sakharetba Anticline Using Seismic Profiles, Kura Foreland Basin. Moambe. Bull. Georg. Nat. Acad. Sci., vol. 15, no. 4, 69-72
2. *V. Alania, T. Beridze, O. Enukidze, Z. Lebanidze, A. Razmadze, N. Sadradze, N. Tevzadze.* (2021). Structural Model of the Frontal Part of the Eastern Achara-Trialeti Fold-and-Thrust Belt: the Results of Seismic Profile Interpretation. Springer Building Knowledge of Geohazard Assessment and Management in the Caucasus and other Orogenic Regions, Springer, NATO Science for Peace and Security Series C: Environmental Security, 59-71.
3. **Razmadze, A.** (2020). Geological structure of the Mtkvari foreland fold and thrust belt of on the example of western Garekakheti. Mikheil Nodia Institute of Geophysics, Proceedings. ISSN 1512-1135, vol. LXXII, 51-58.
4. *V. Alania, T. Beridze, O. Enukidze, Z. Lebanidze, A. Razmadze, N. Sadradze, N. Tevzadze.* (2020). Structure of frontal part of the eastern Achara-Trialeti fold-and-thrust belt using seismic profile, Georgia. Georgian National Academy of Science, Bull. Georg. Nat. Acad. Sci. 14 (2), 62-66.
5. *Alania, V., Enukidze, O., Glonti, N., Razmadze, A., Chabukiani, A., Giorgadze, A., Glonti, B., Koiava, K., Beridze, T., Khutsishvili, S., Chagelishvili, R.* (2018). Structural architecture of the Kura foreland fold-and-thrust belt using seismic reflection profile, Georgia. Horizon Research Publishing, Universal Journal of Geoscience, 6, 184-190.
6. *Alania, V., Chabukiani, A., Chagelishvili, R., Enukidze, O., Gogrichiani, K., Razmadze, A., Tsereteli, N.* (2017). Growth structures, piggyback basins and growth strata of Georgian part of Kura foreland fold and thrust belt: implication for Late Alpine kinematic evolution, London Geological Society, Geological Society, London, Special Publications, 428, 171-185.
7. *Adamia, Sh., Alania, V., Chagelishvili, R., Chabukiani, A., Enukidze, O., Jaoshvili, G., Razmadze, A., Sadradze, N.* (2011). Tectonic setting of Georgia (Caucasus) Supplement to Geo-Eco-Marina, 17, 11-14
8. *Kekelia, S., Soson, M., Kekelia, M., Asatiani, G., Kuloshvili, N., Sadradze, N., Gagnidze, N., Razmadze, A.* (2010). Geological Settings, conditions and genesis of volcanogenic deposits of non-ferrous metals in paleoisland arc environments. 309 Scientific Annals, School of Geology, Aristotle University of Thessaloniki Proceedings of the XIX CBGA Congress, Thessaloniki, Greece, 309-315.
9. *Kekelia, S., Kekelia, M., Benidze G., Kofman R., Nadiradze V., Gigiadze G., Razmadze, A.* (2009). Main features of Alpine metallogeny. Caucasian Alexander Tvalchrelidze Institute of Mineral Resources, Proceedings, 119-144.
10. *Alania, V., Enukidze, O., Koiava, K., Razmadze, A., Sanishvili, A.* (2008). Thrust systems and time of deformation of the Gare Kakheti foothills, eastern Georgia (Georgia) An International Journal of Earth Science - Bollettino di Geofisica, teorica ed applicata, 49 (SUPPLEMENT), 207-208.
11. *Kekelia, S., Soson, M., Kekelia, M., Asatiani, G., Kuloshvili, N., Sadradze, N., Gagnidze, N., Razmadze, A.* (2008). Geological conditions of the formation of non-ferrous metal deposits in

the Bolnisi district (Georgia). Proceedings of A.Djanelidze Institute of Geology, New. Ser., 124, 316-328.

### **Citation index**

ResearchGate – 113, h-index – 6; Google Scholar – 106, h-index – 6.

### **Participation in scientific events**

1. Structural model of the western Kura foreland fold-and-thrust belt using seismic reflection profiles: implication for forward kinematic modelling. **A.Razmadze**. GeoMod 2021. Doorn, The Netherlands. 19-23 September.
2. Structure of the Gare Kakheti foothills using seismic reflection profiles: implications for kinematic evolution of the Georgian part of Kura foreland fold-and-thrust belt. **A.Razmadze**. EGU General Assembly 2020. Vienna, Austria, 4-8 May.
3. Biodiversity of the Sarmatian Foraminifera and Ostracoda of the Kartli Depression (on the example of Nadarbazevi section). B. Ediberidze, K. Koiava, L. Popkhadze, V. B. Glonti, **A. Razmadze**. 5 th international Scientific-Practical Conference, "The strength of the field of geology is a prerequisite for the revival of the economy". Tbilisi, Georgia.
4. Structural geometry of active Kura foreland fold-and-thrust belt revealed by seismic reflection profiles. V. Alania, Sh. Adamia, N. Tevzadze, O. Enukidze, T. Beridze, N. Sadradze, A. Sanishvili, A. Chabukiani, R. Chagelishvili, A. Gventsadze, **A. Razmadze**, G. Vashakidze. EGU General Assembly 2018. Vienna, Austria, 8-13 April.
5. Structural model of the eastern Achara-Trialeti fold and thrust belt using seismic reflection profiles. V. Alania; **A. Razmadze**. EGU General Assembly 2017. 23-28 April.
6. Geometry and kinematic evolution of a thrust-top basin: an example from the western part of the Kura foreland fold and thrust belt, Georgia. V. Alania; **A. Razmadze**. IGCP 610 "From the Caspian to Mediterranean: Environmental Change and Human Response during the Quaternary", Fourth Plenary Meeting and Field Trip. 2016, 2-9 October.
7. Structure and Kinematic Evolution of Eastern Achara-Trialeti Fold and Thrust Belt, Georgia **A. Razmadze**, V. Alania. Petroleum Systems of the Paratethys: Exploring the Pathway from Europe to Asia, AAPG meeting. 2013, 26-27 September.
8. Time and style of deformation of the Kura foreland fold and thrust belt, South-East Georgia (Georgia). V. Alania, **A. Razmadze**. AAPG Annual Convention & Exhibition. New Orleans, Louisiana, USA. 11-14 April.
9. Oligocene-Neogene Growth Strata at Eastern Achara-Trialeti Fold and Thrust Belt, Georgia. V. Alania, T. Beridze, R. Chagelishvili, O. Enukidze, S. Khutsishvili, V. Mikeladze, N. Popkhadze, **A. Razmadze**. Thrust Belts and Foreland Basins, International Meeting. Ruel Malmaison, France, 2005, 14-16 December.

### **Grant projects**

1. Identification of trapping geometries for hydrocarbons in West Garekakheta based on 2-3D structural modeling. PHD Student. 26.09.2019-26.09.2021. SHOTA RUSTAVELI NATIONAL SCIENCE FOUNDATION OF GEORGIA. PHDF-19-268. PhD Student. Basic Staff.
2. The 3 dimensional structural model of the eastern Adjara-Trialeti front: its use in terms of oil and gas exploration. Basic staff. 10.06.2016-01.06.2014. GNSF FR/268/9-150/11

### **Additional information**

Since 2022 - Member of "INTERNATIONAL ASSOCIATION FOR STRUCTURAL GEOLOGY & TECTONICS (IASGT)".