

Regional tectonic, history of development and facial architecture of central segment of the basin during Middle Eocene of Adjara-Trialeti fold and thrust

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The paper I submitted for Scientific Research Project 2, concerns the folded system of Adjara Trialeti, more specifically its central part and the processes taking place there during the period, when the said area was first covered by water and volcanic activity was taking place to its south, which had a great impact on the given region, and on its formation in the form it exists today. This issue is so important and interesting to investigate. The paper shows the regional tectonics of the Adjara Trialeti Fold and thrust Belt, how it was formed, and describes the events that took place during the formation of the Adjara Trialeti Fold System. It also discusses the history of its development during the Paleogene period. The work mainly focuses on the central segment of the Adjara Trialeti folded system, where the Borjomi region and the surrounding area are located, and discusses the development and description of its facies architecture during the Eocene period. The discussion also concerns the types of volcanism, their activity, and types of sediments deposited as a result of their eruptions. My main focus is on rocks of the Middle Eocene age, and I also partially touch on the Lower and Upper Eocene since they are related to the period of interest to me.