

## Eocene volcanics of the Talysh (Azerbaijan)

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The Urumieh-Dokhtar Magmatic Arc (UDMA) is generally considered as the main magmatic arc related to the Cenozoic subduction of Arabia underneath Eurasia. The relationship of the less studied Alborz Magmatic Arc (AMA) to the UDMA is presently unclear. Because the AMA is located further north of the UDMA (thus in the region *behind* the arc), some researchers interpret the AMA as the ‘back-arc’ (e.g. [1] [2]). Therefore, volcanics of the Talysh Mountains in Azerbaijan (belonging to the AMA) are often interpreted as back-arc basin basalts, although they exhibit geochemical signatures of an arc. This research aims to contribute to the discussion on the tectonic setting of these volcanic rocks. We performed geochemical analyses to better understand the tectonic setting, and paleomagnetic measurements and Ar-Ar dating to obtain accurate age constraints.

[1] Asiabanha & Foden (2012) *Lithos* **148**, 98-111 [2] Vincent et al. (2005) *Geol. Soc. Am. Bull* **117**, 1513-1533