

Significance of ophiolites of NW Iran correlations with the Caucasus and insights for the geodynamics and georesources

Iranian research center: University of Tabriz, Tabriz, Iran

French research center:

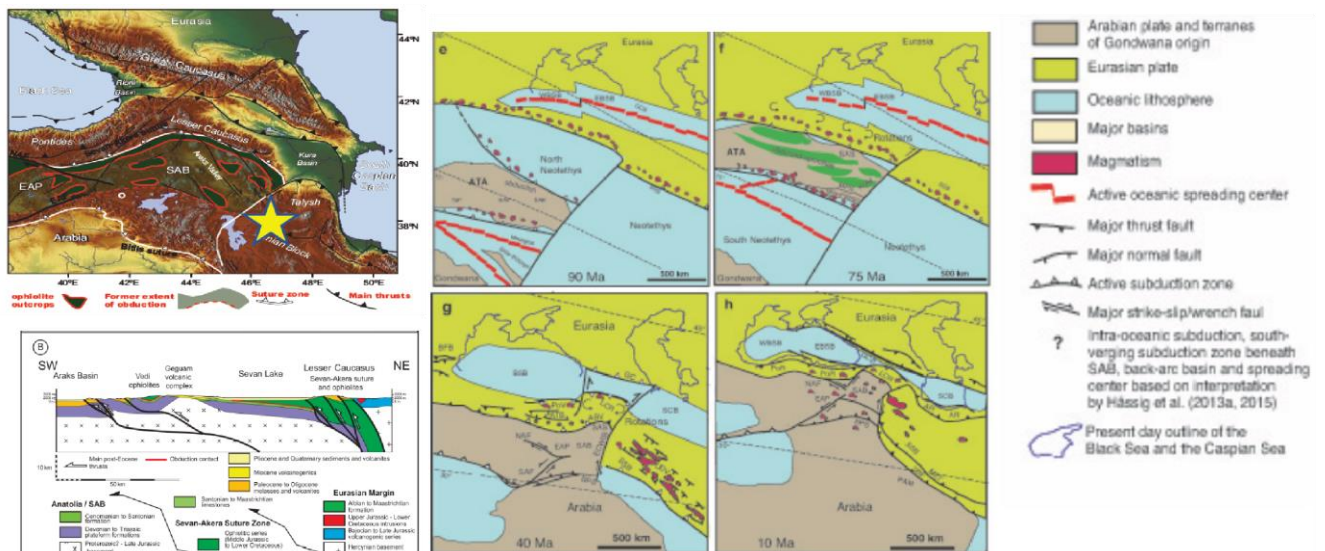
Géoazur - Université nice Sophia Antipolis et Université Côte d'Azur, Nice, France

ISTerre – Université Grenoble Alpes, Grenoble, France

Iranian researchers: Salimi Z., Moazzen M., Hajjalioghli R.

French researchers: Rolland Y., Duclaux G.

This project aims at understanding the crustal structure of NW Iran and its bearing on the location of ore and active faults. It especially aims at constraining timing of collision of Iran Block with Eurasia and the correspondence of geological units of NW Iran with the Caucasus Region, by the reconnaissance, analysis and correlation of major suture zones. For this, we investigate the Allahyarlu Complex in the region of Tabriz, which looks to be a major suture zone. Within the frame of Z. Salimi's PhD we undertake: (1) structural geology of suture zone; (2) study of ophiolites; (3) geochronology and geochemistry of magmatic and metamorphic rocks (and PTt history); (4) reconstruct the deformation phases.



Publications

Rolland, Y., 2017. Caucasus collisional history: Review of data from East Anatolia to West Iran. *Gondwana Research*, 49, pp.130-146.