



Investigating volcanic history of Damavand volcano (Iran) by the means of Palaeomagnetic methods

A. Bahmanizadeh (1) and M. H. Darabi (2)

(1) Institute of Geophysics, Tehran University, Tehran, Iran (bahmanizadeh.ali@gmail.com), (2) Physic Dept., Hormozgan University, Bandar Abbas, Iran (darabi@ut.ac.ir)

Damavand volcano which is the highest peak in the Middle East (5620 m from sea level) is located 50 km to the east of Tehran (Iran). Damavand with $\tilde{5}50$ km² of area is in the fumarolic stage and exemplifies ongoing Quaternary volcanic activity. We have collected several samples from the younger cone that has been constructed over 600 k.y. and presents palaeomagnetic results in order to enhance the view of its volcanic history.