

## **FABRIC OF AZNA SYN-TECTONIC GRANITE IN SANANDAJ-SIRJAN ZONE WESTERN IRAN**

Mohajjel, M., Tarbiat Modares University, Tehran, Iran

The Sanandaj-Sirjan Zone is a metamorphic belt (greenschist-amphibolite) which is the crystalline zone of the Zagros Orogen in western Iran. This zone were affected by two major episodes of deformation and the second is the main throughout the zone. Azna mylonitic granite is one of them which is located about the middle part of the Sanandaj-Sirjan Zone (300 Km southwest of Tehran ). Z form outcrop pattern of this granite has extended about 30 Km in a NW-SE trend. The long wings of this pluton are narrow (1Km) extended and boudinaged. Mylonitic foliation parallel to the main foliation in the wall rocks has a sigmoidal trend where in wings it is subvertical or steeply dipping to the northeast and in the central main body trends northeast. Stretching lineation is strongly developed and it is subhorizontal or gently plunging both to northwest and southeast in wings but gently plunging to the northeast in the main body. Several shear sense indicators in this deformed granite indicate that it has been emplaced syn-D2 in a dextral transpressin tectonic regime.