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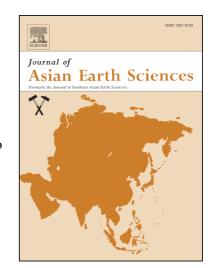
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ACCEPTED MANUSCRIPT

Interaction Between Felsic and Mafic Magmas in the Salmas Intrusive Complex, Northwestern Iran: Constraints from Petrography and Geochemistry

Mitra Ghaffari¹, Nematollah Rashidnejad-Omran¹, Rahim Dabiri^{2,*}, José Francisco Santos³, João Mata⁴, David Buchs⁵, Iain McDonald⁵, Peter Appel⁶ and Dieter Garbe-Schönberg⁶

¹Department of Geology, Tarbiat Modares University, P.O. Box 14115-175, Tehran, Iran.

²Department of Geology, Mashhad Branch, Islamic Azad University, Mashhad, Iran.

³Department of Geosciences, Geobiotec Research Unit, University of Aveiro, Portugal.

⁴Centro de Geologia, Faculdade de Ciências, Universidade de Lisboa, 1749-016 Lisboa, Portugal

⁵School of Earth and Ocean Sciences, Cardiff University, Main Building, Cardiff, CF10 3AT,UK.

⁶Institutes of Geosciences, Kiel University, Germany.

* Corresponding author. Tel.: +989127188495; E-mail address: r.dabiri@mshdiau.ac.ir (R. Dabiri).

Abstract:

The Salmas plutonic complex, in the northernmost part of Sanandaj-Sirjan Zone of Iran, provides evidence for magma interaction processes. The complex contains maficintermediate, hybrid and felsic rocks which intruded into the Paleozoic metamorphic complex. They show typical relationships described in many mafic–felsic mingling and mixing zones worldwide, such as mafic microgranular enclaves (in felsic and hybrid rocks), mafic sheets, and hybrid rocks. The mafic microgranular enclaves (MMEs) are characterized by fine-grained, equigranular and hypidiomorphic texture and some special types of microscopic textures, e.g., quartz xenocrysts, oscillatory-zoned

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