

CUSTOMIZED SPIDER DIAGRAMS IN INVESTIGATION OF TECTONOMAGMATIC SITUATION BASIC AND ACIDIC ROCKS OF SONGHOR - BAKHTARAN.

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Basic rocks spider diagrams of Songhor Show similarity with subduction zone and calc - alkaline basalt from island arc and continental margin, related to closing of Neo-Tethys sea along Zagros mountain and consisting of probable island arc (CABI) and later subduction of Arabian plate and Iranian, continental crust making calc - alkaline basalt from continental margin (CABM). So tectonomagmatic situation of Songhor basites is related To Continent - Continent (Arabian - Iranian Plate) or arc - continent (Neo - Tethys island arc - Iranian Plate) in Eocene.

Granitic rocks diagrams are more similar with S-type than I-type grait. So we conclude that thickness of crust grew up by above subduction zone became deeper, melTing of crust with contamination of upper mantle happened. Songhor granite are comparable with Gabug - Tib at and Younnan - SW china subgroup, related to collision granites (COLG).