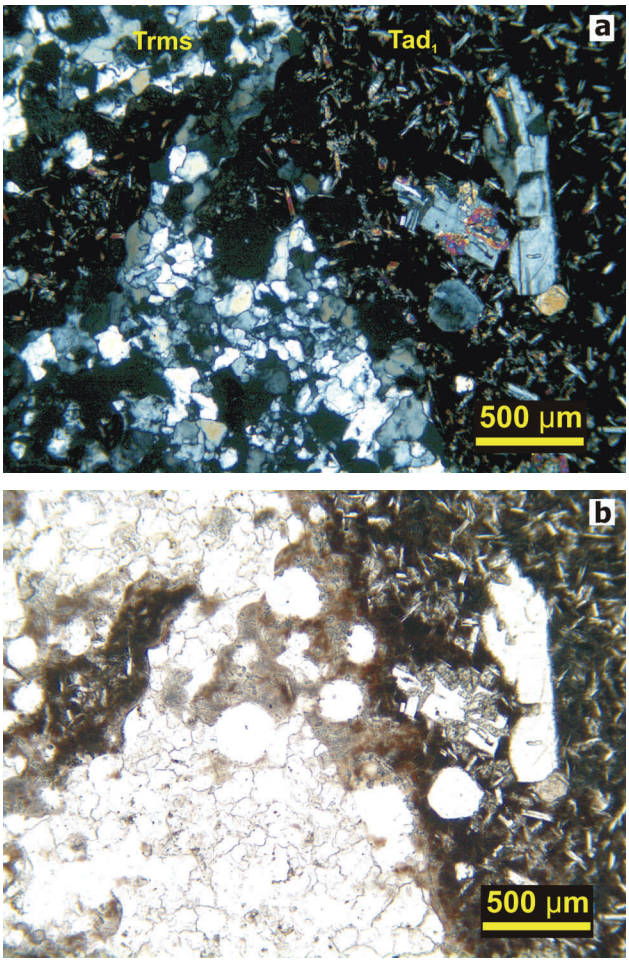

Figure 8. Photomicrographs of metmamorphic xenolith in a Tad_1 lava flow. (a) Xenolith-host contact. Notice abrupt contact near the bottom of the picture, but diffuse contact near the top (polarized light). **(b)** Same view in plane light illustrating possible melting of the metamorphic xenolith (dark brown glass along the contact that also extends into the xenolith)