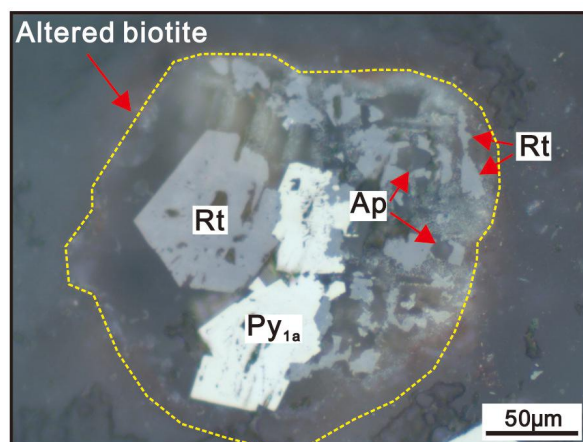


**Fig. A2** Reflected light microphotograph, showing a replacement relationship between the inclusion-rich  $\text{Py}_{1a}$  and a biotite crystal with rutile and apatite inclusions.



**Abbreviations:** Ap-apatite, Py-pyrite, Rt-rutile.