

Structure and geochronology of Sargur schist belt, Western Dharwar Craton, southern India

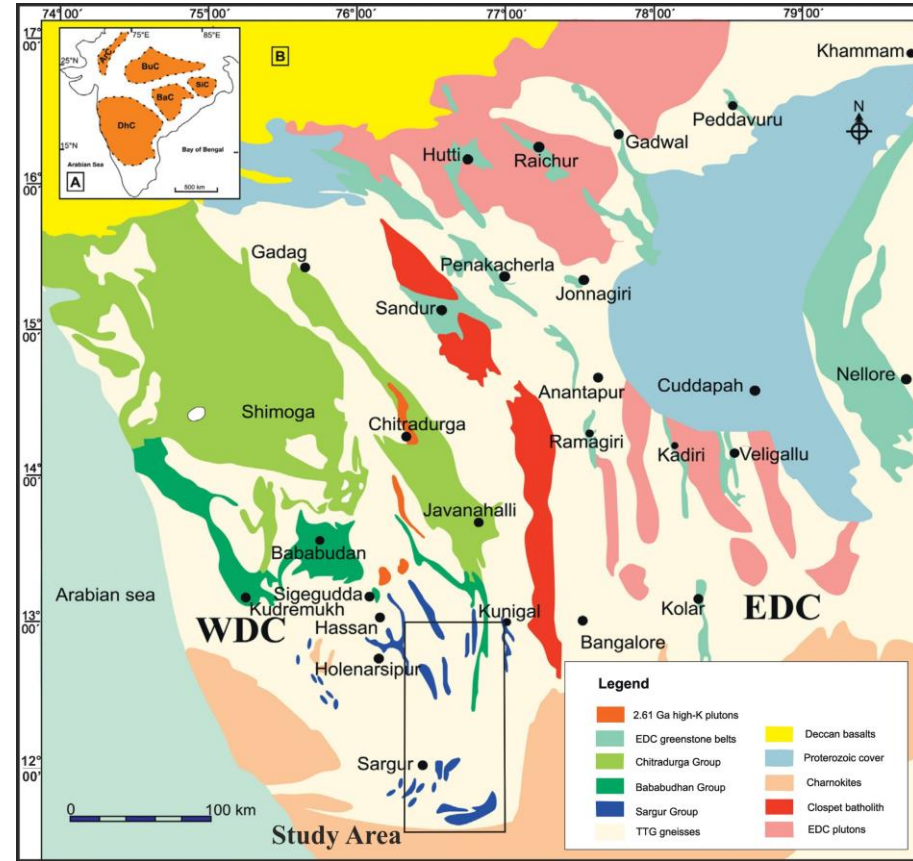
Madhusmita Swain and Rekha S

Department of Earth and Atmospheric Sciences, National Institute of Technology Rourkela, India

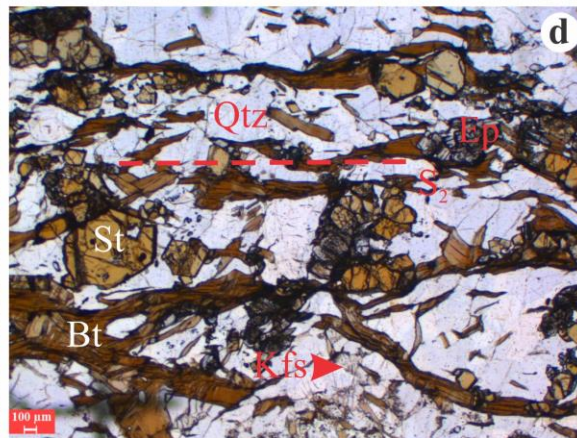
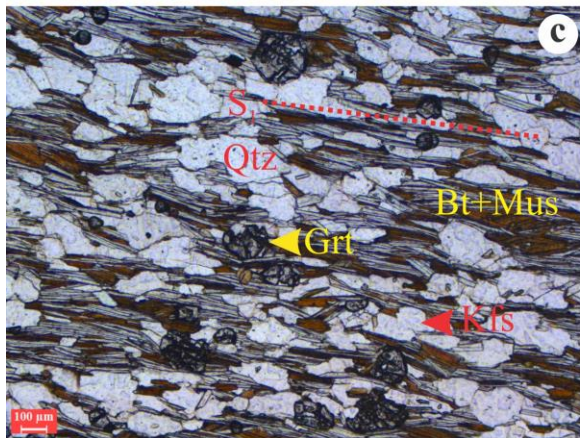
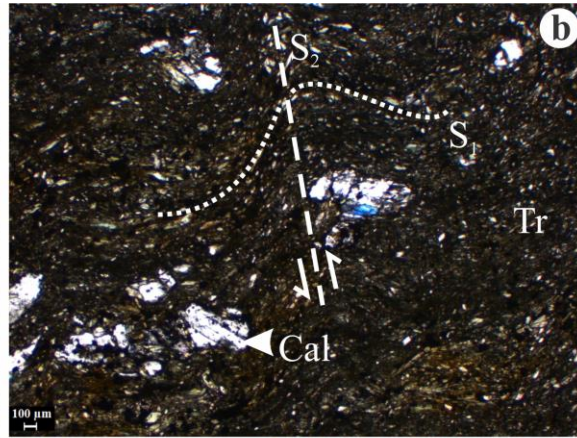
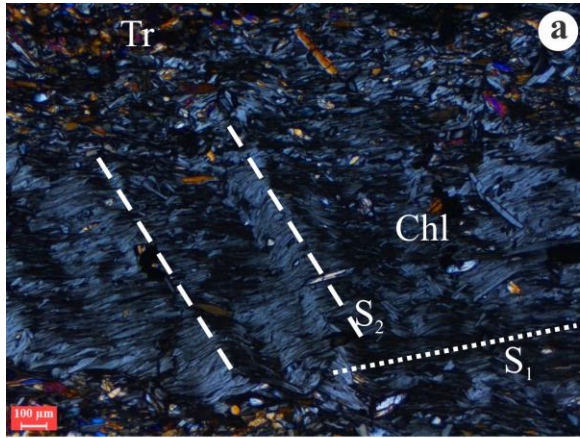


(A) Inset map shows the India map and (B) the location of the study area is marked by black bold lines (after Manikyamba et al., 2017).

Study area 

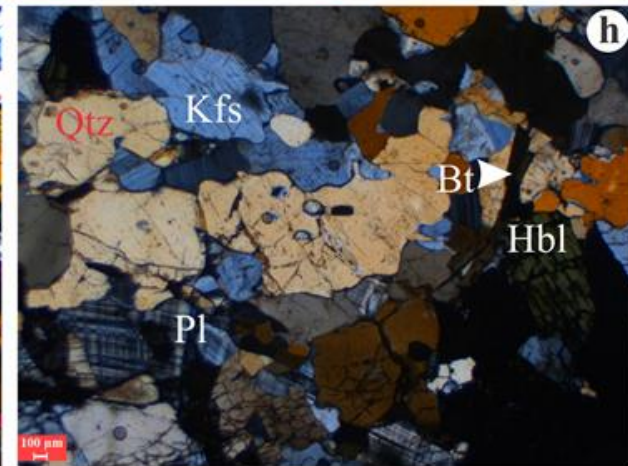
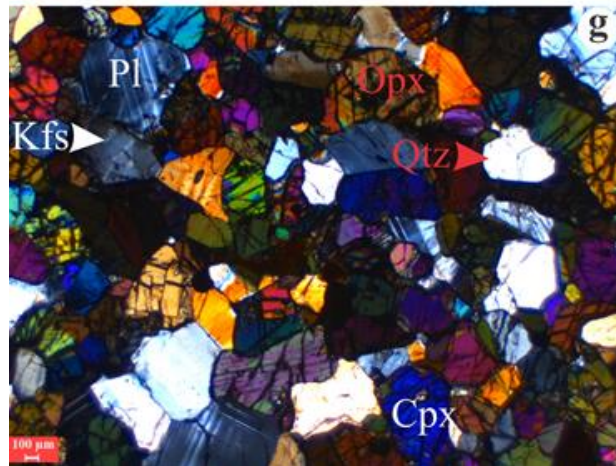
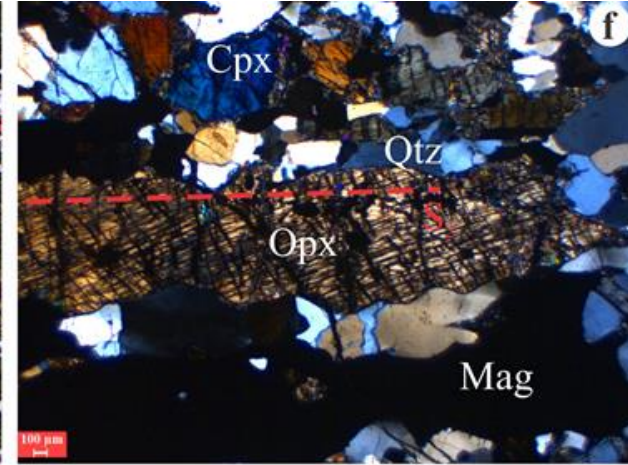
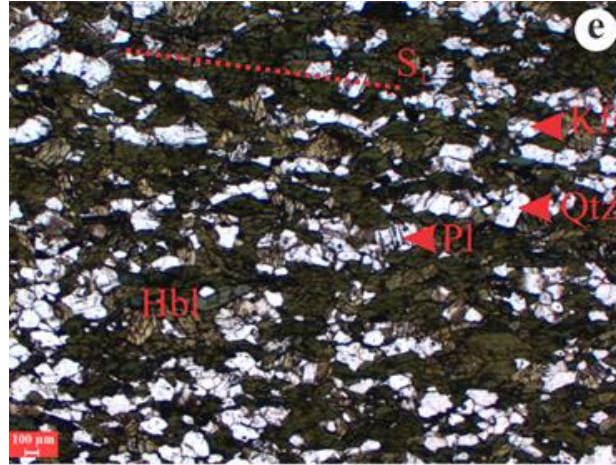


Deformation Microstructures



(a) XPL image of chlorite-tremolite schist (b) PPL image of tremolite schist, (c) PPL image of biotite+muscovite+garnet schist, (d) PPL image of biotite+staurolite+epidote+quartz schist,

(e) PPL image of amphibolite schist, (f) XPL image of banded magnetite quartzite, (g) XPL image of pyroxene granulite rock, (h) XPL image of deformed granite.



Field Relation

(a, d) Plan view showing the penetrative S_2 foliation in chlorite-tremolite schist. (b) Section view showing S_1 foliation and the development of later S_2 foliation in chlorite-tremolite schist. The crenulations made by S_2 foliation is visible. (c) Section view showing penetrative S_2 foliation and the S_1 fold hinges in the inter-folial domain of banded magnetite quartzite.

