

Appendix 1:

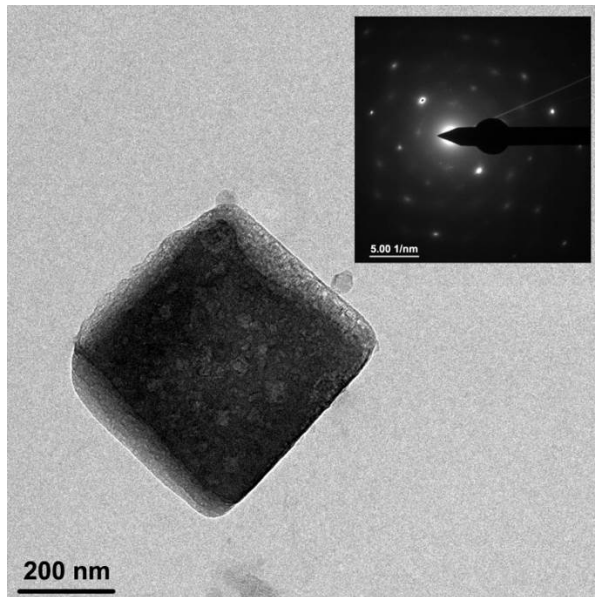


Figure 1. TEM image and SAED pattern of a NaCl particle from the background zone.

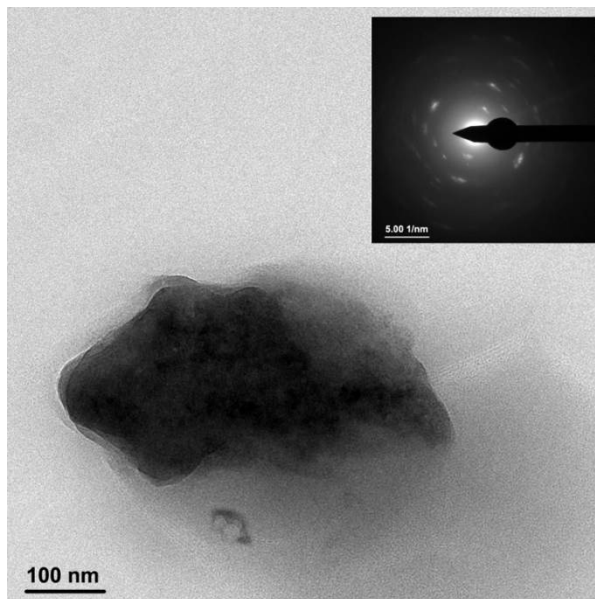


Figure 2. TEM image and SAED pattern of a CaCO₃ particle from the background zone.

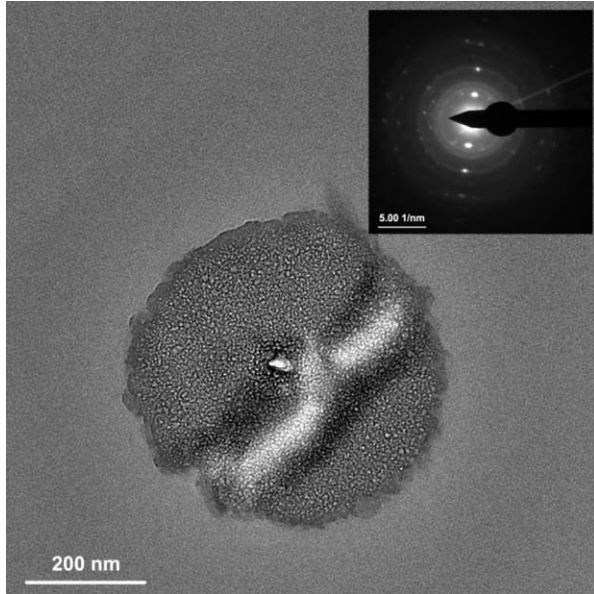


Figure 3. TEM image and SAED pattern of a CaSO_4 particle from the background zone.

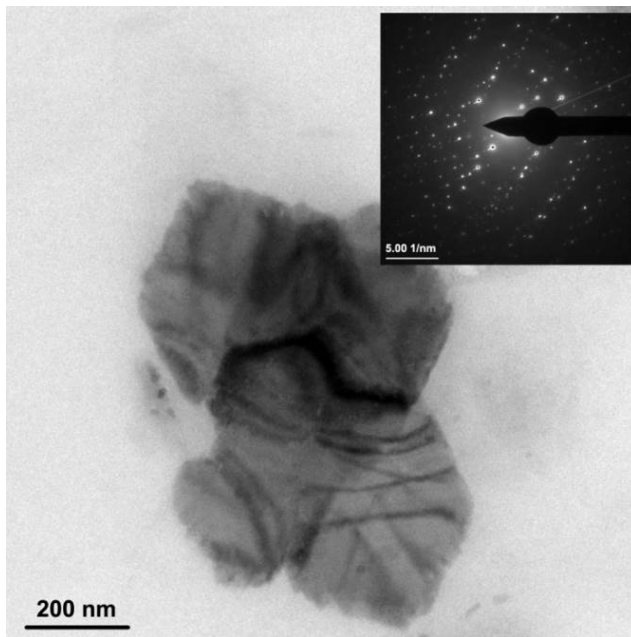


Figure 4. TEM image and SAED pattern image of a Ba-bearing particle from the mining area.

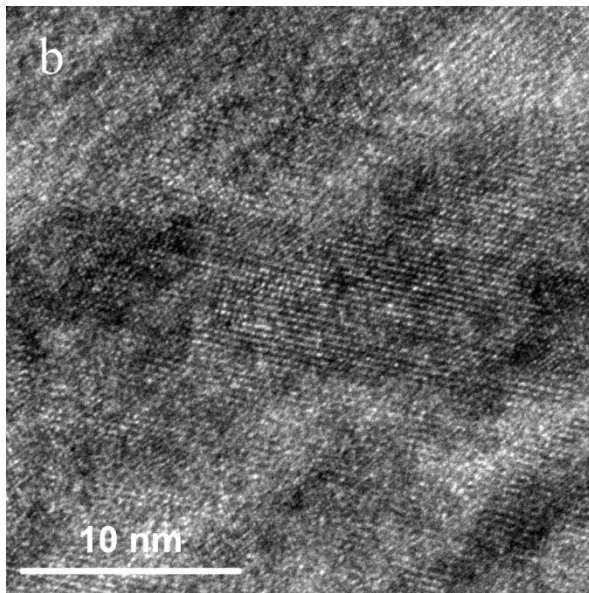
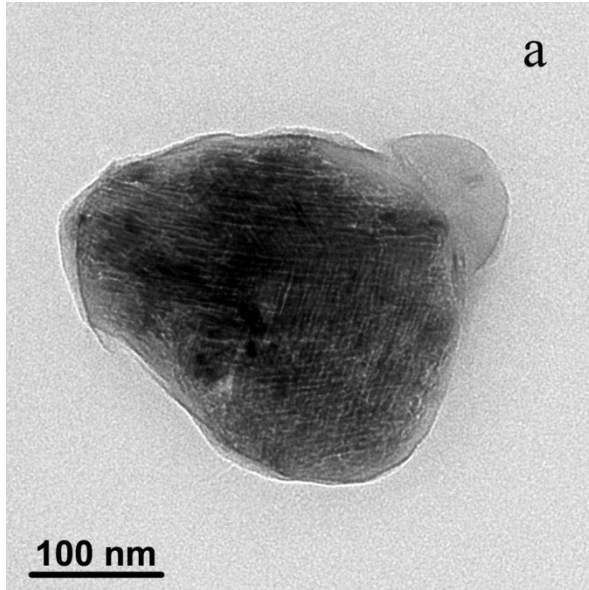


Figure 5. TEM image (a) and HRTEM image (b) of a Ti- and Fe-bearing particle from the mining area.