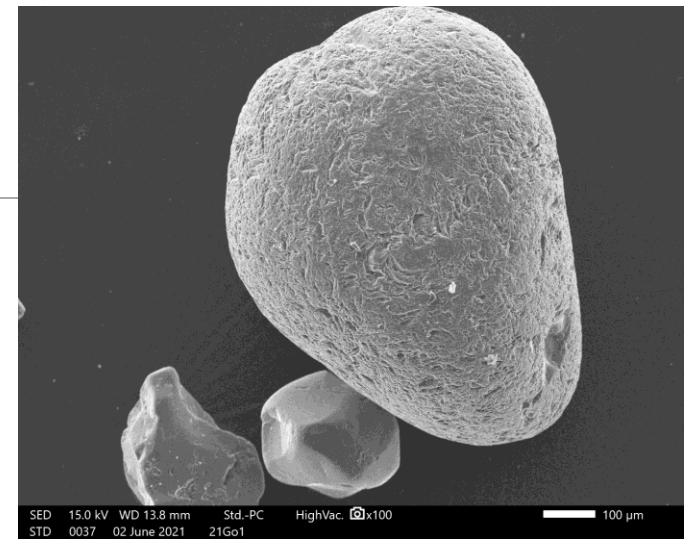
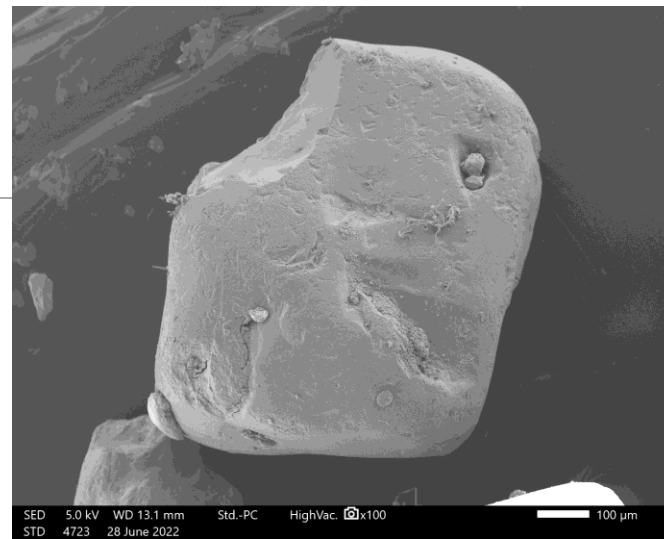
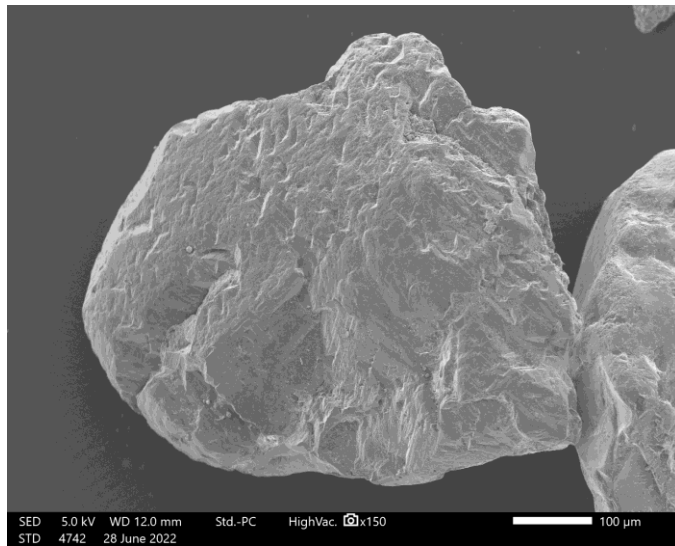
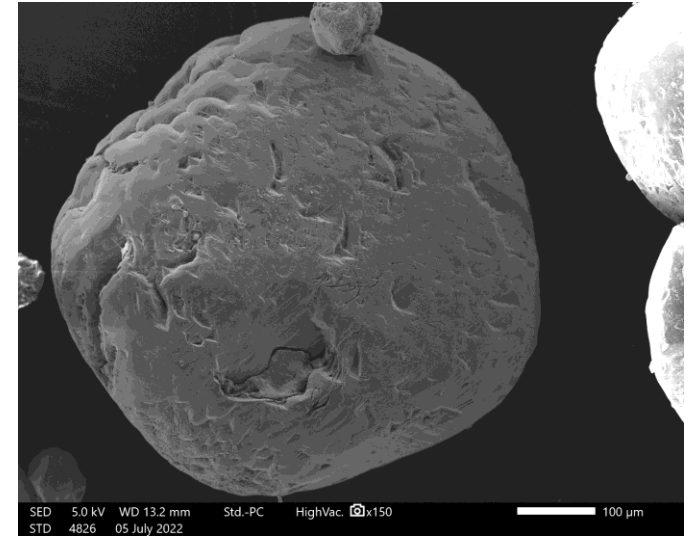
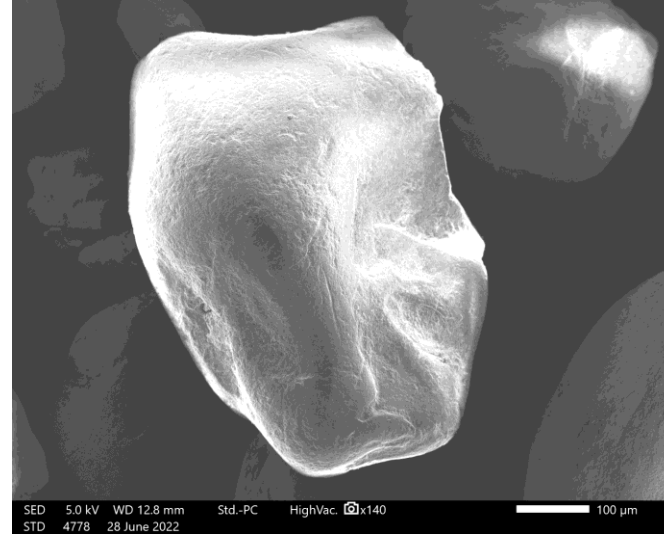
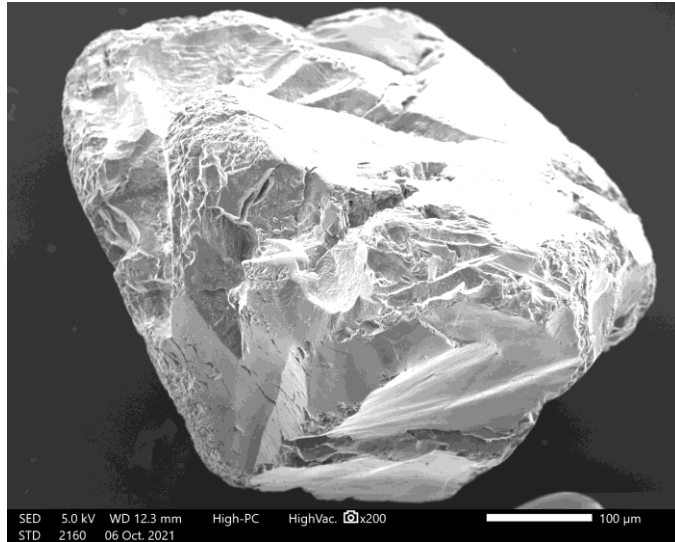


**Quartz grain microtextures:
A reference guide to features
- NW Australia**

I Ward

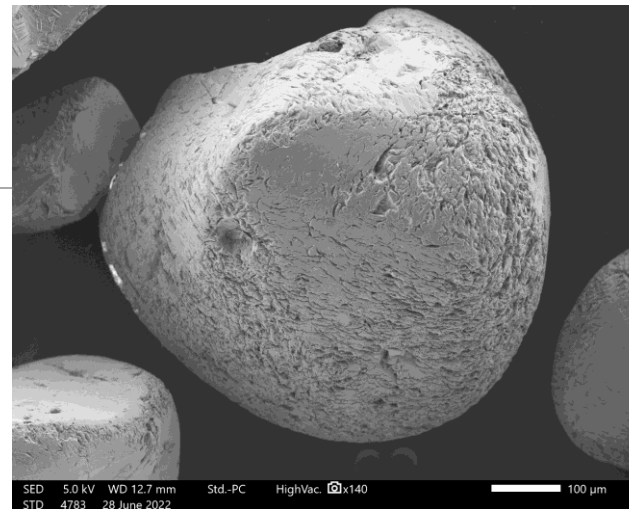
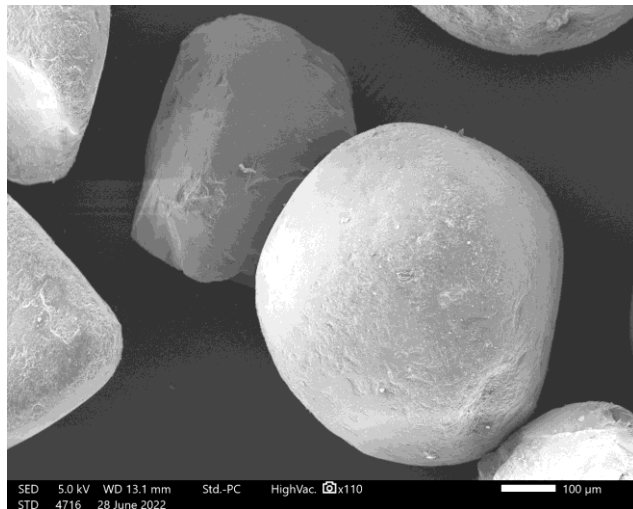
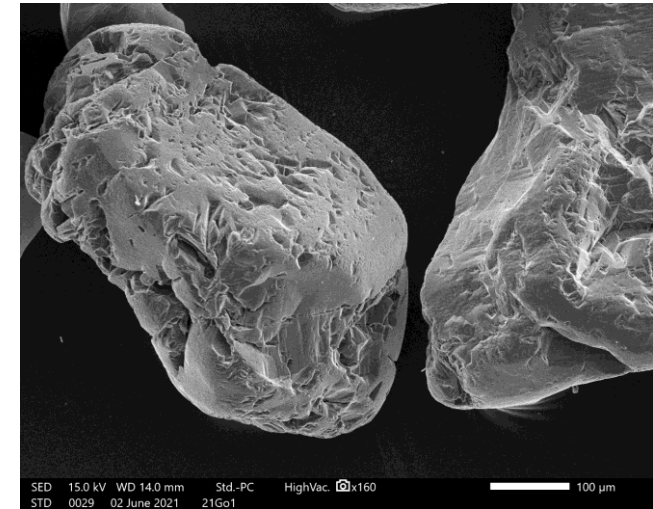
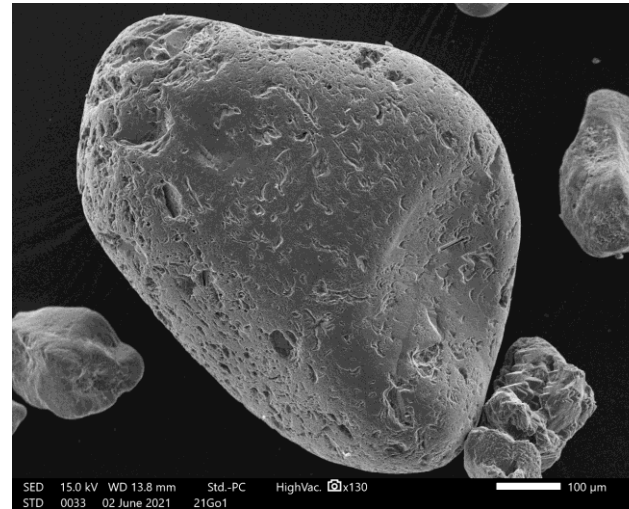
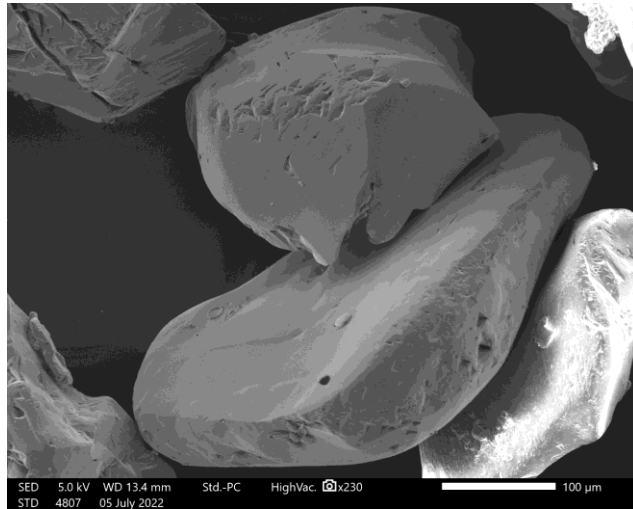
Mechanical

Angular – subangular – rounded



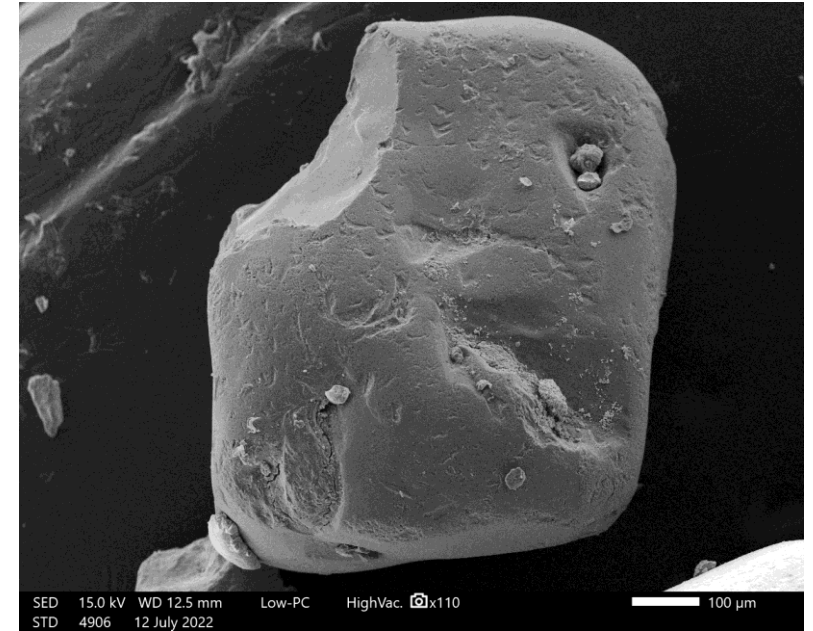
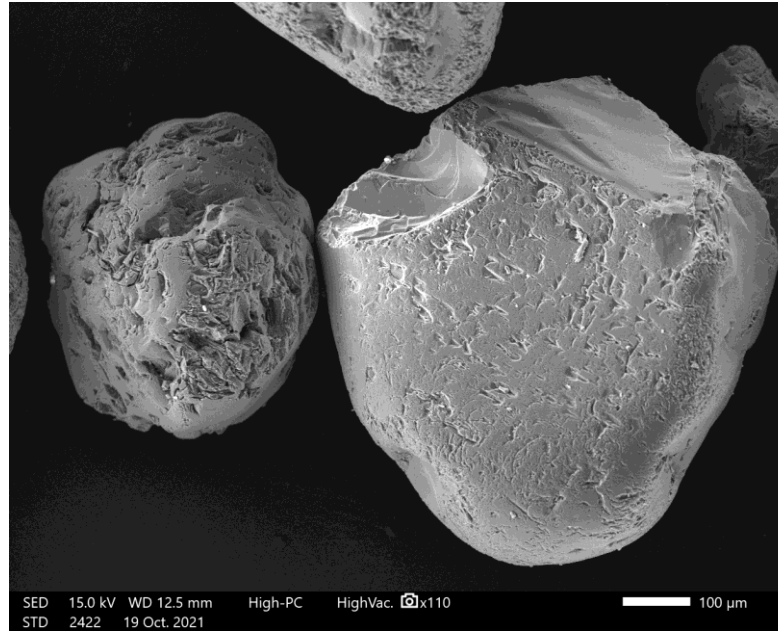
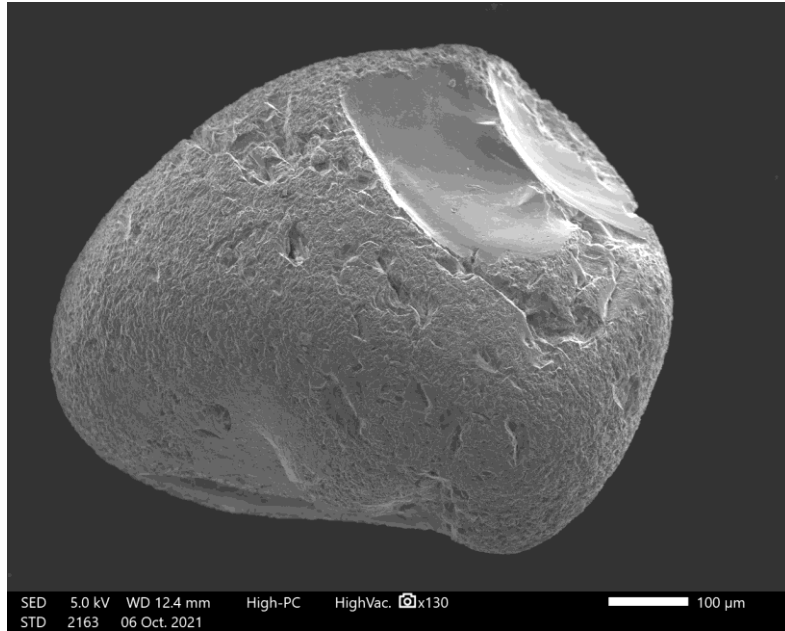
Mechanical/chemical

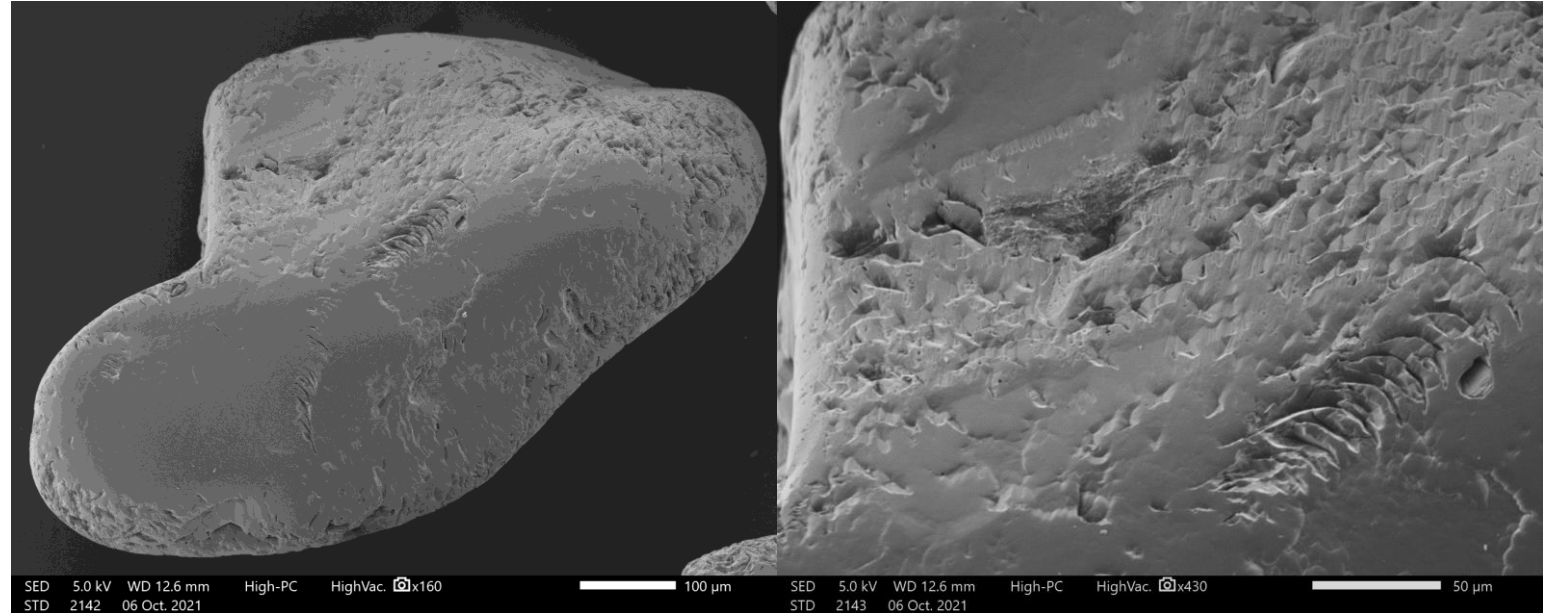
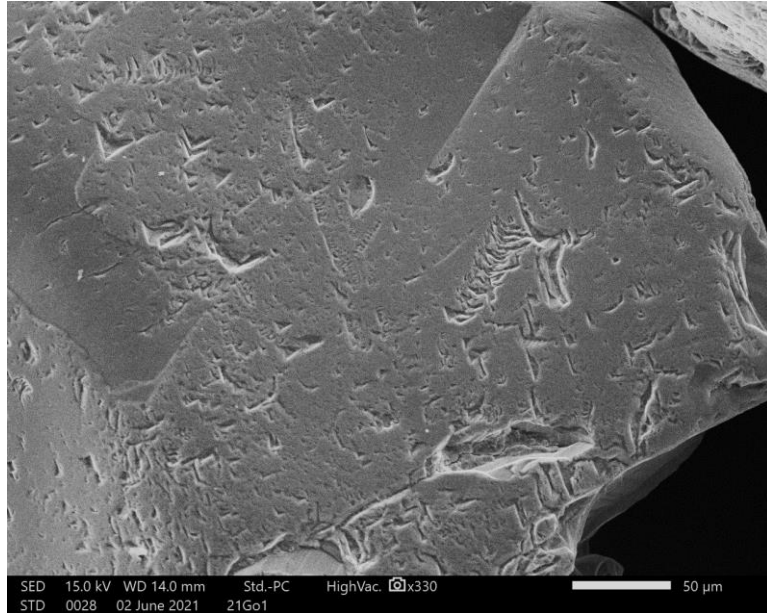
Low – med – high relief

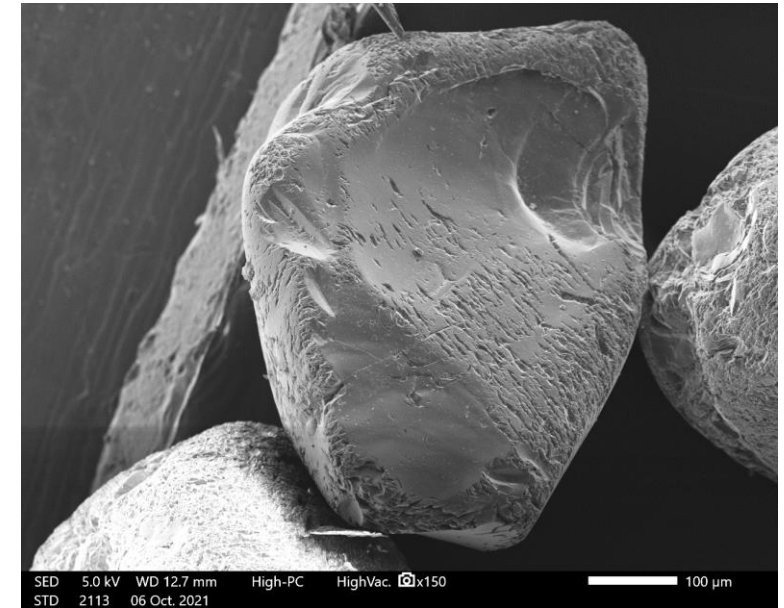
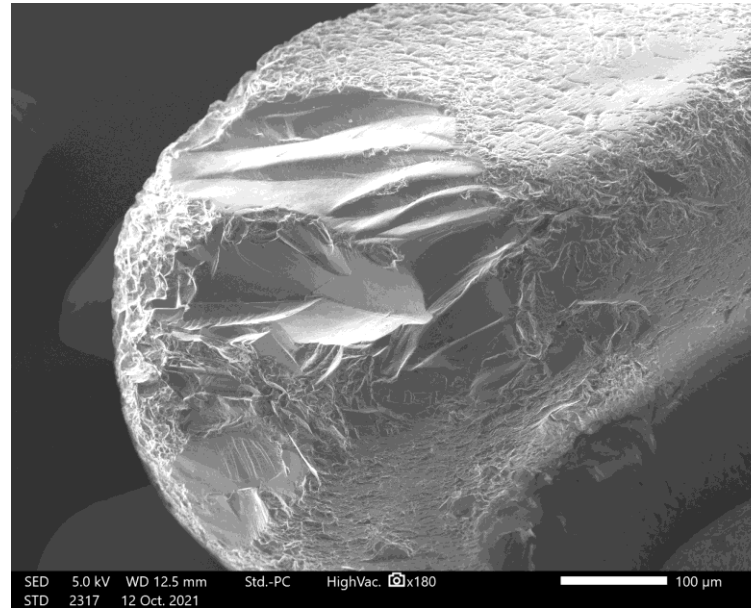
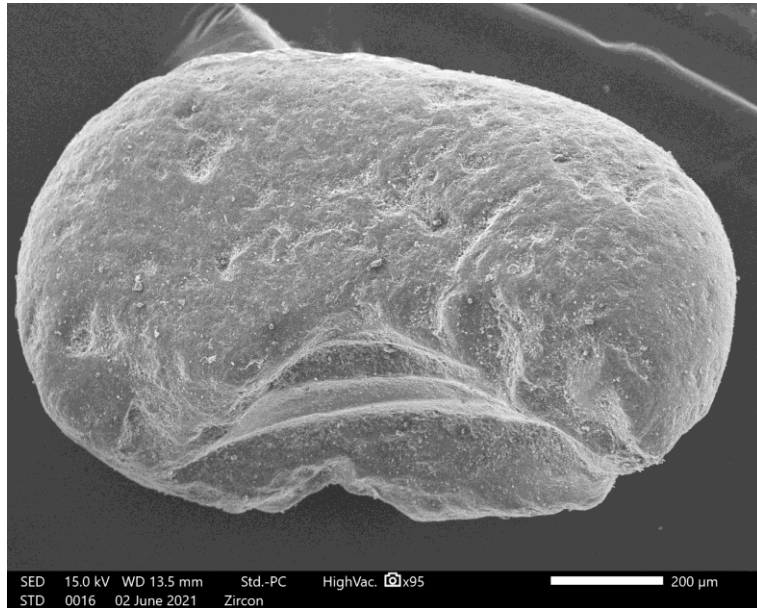


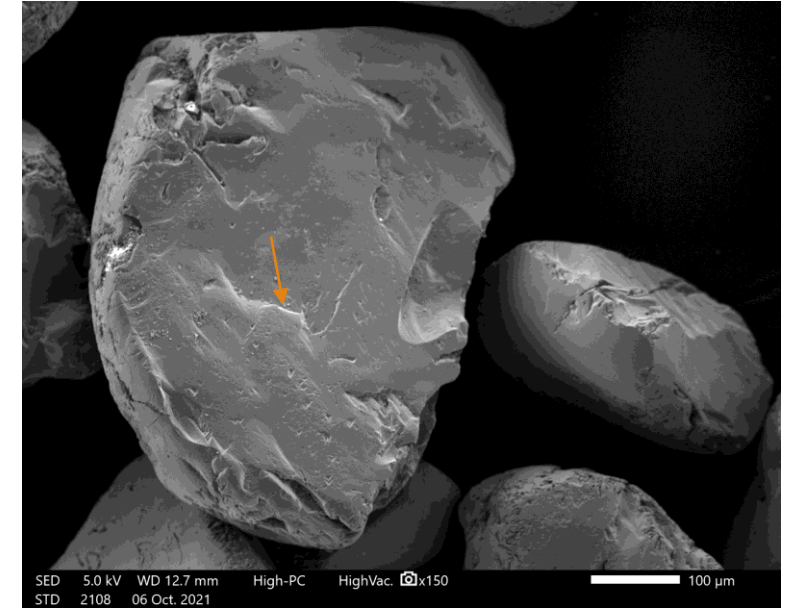
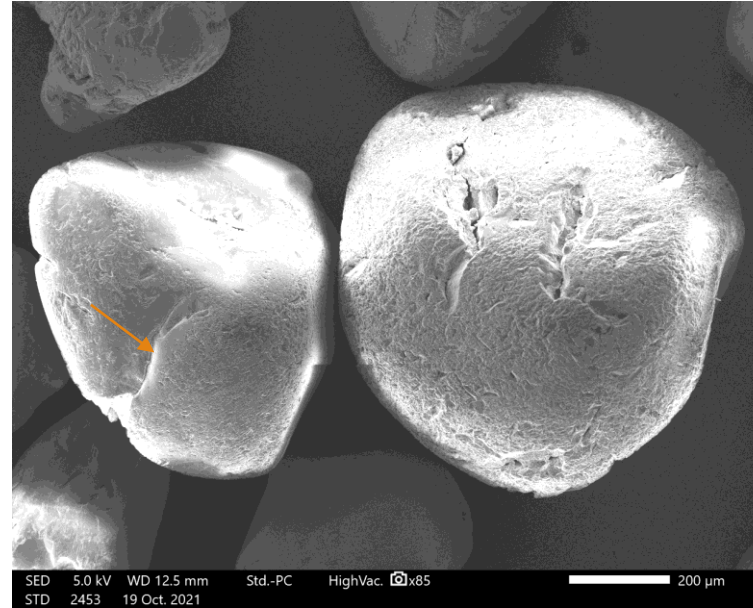
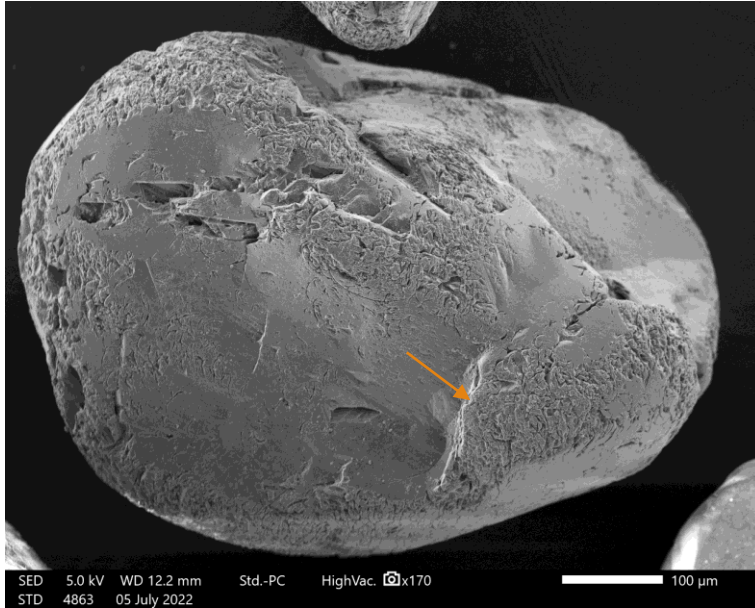
Mechanical

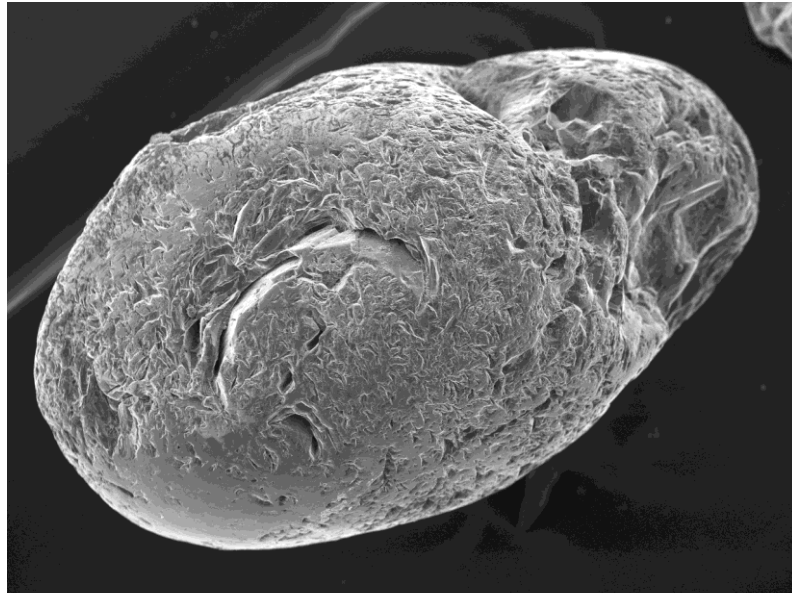
Conchoidal fractures (< 100 µm to > 100 µm)



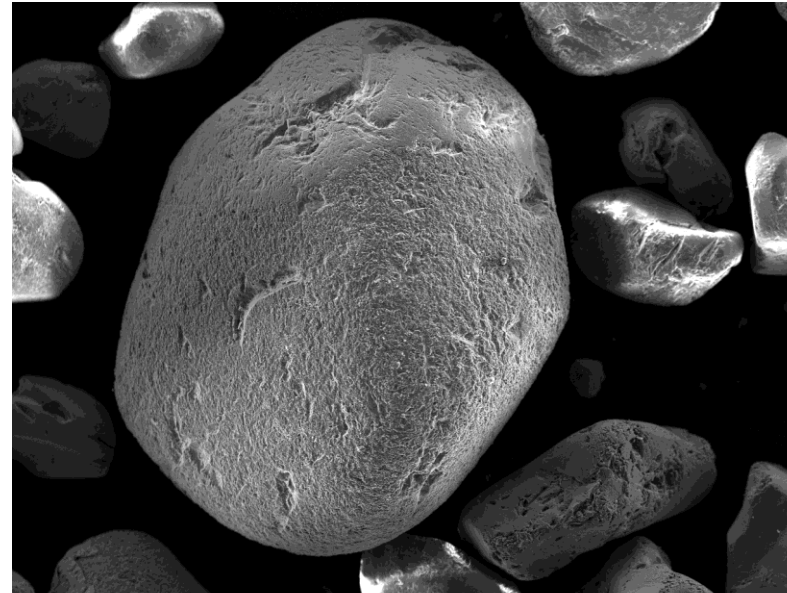




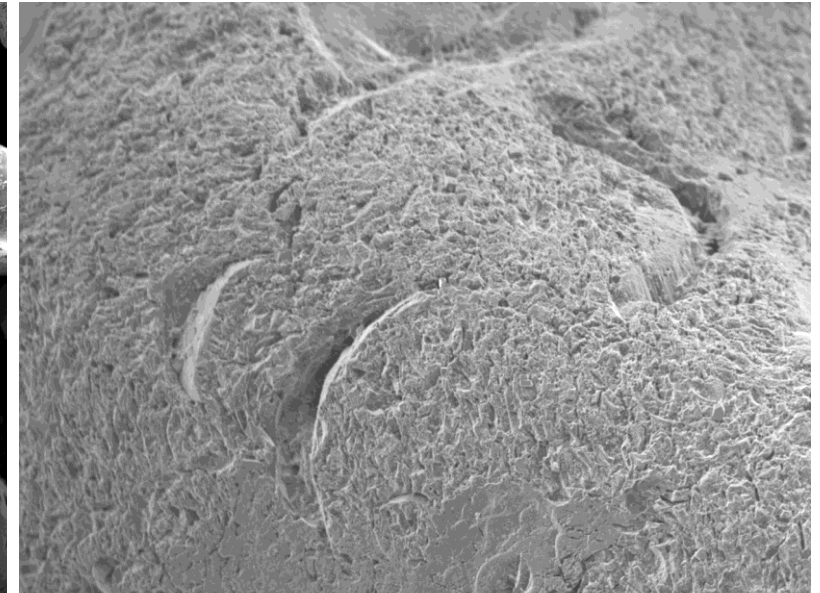




SED 5.0 kV WD 12.7 mm Std.-PC HighVac. x160
STD 4798 05 July 2022 100 µm



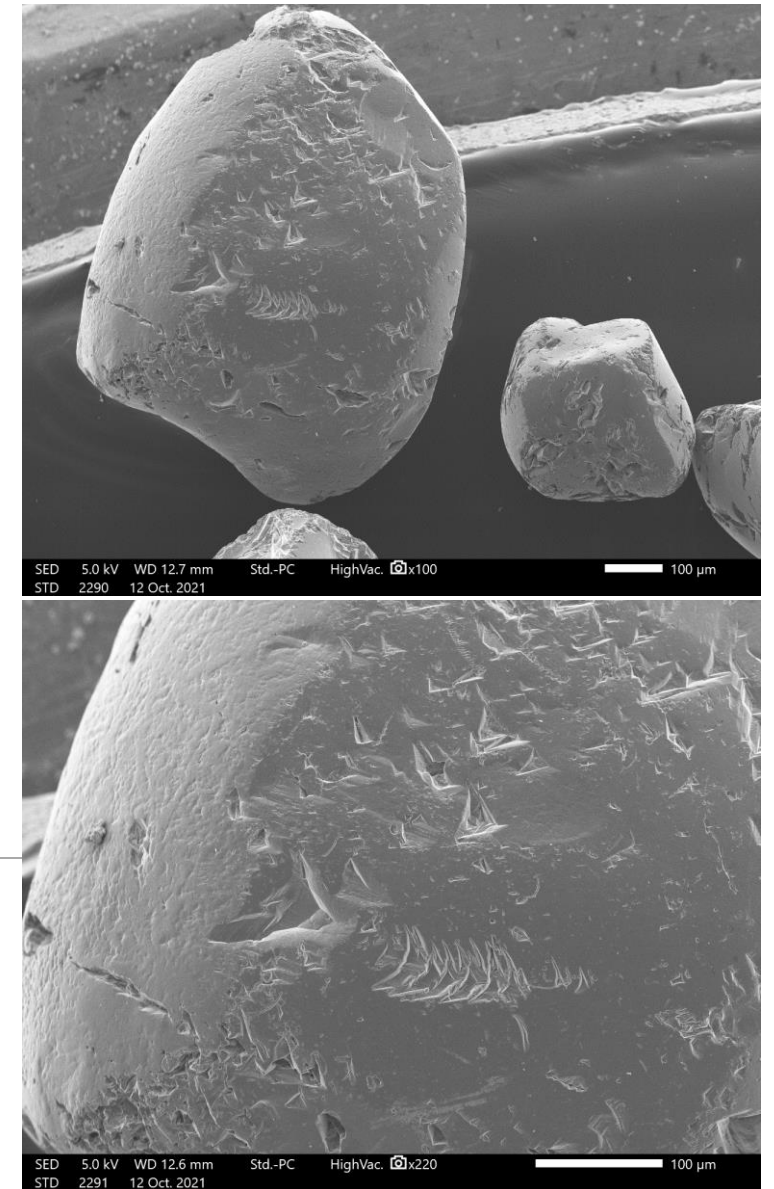
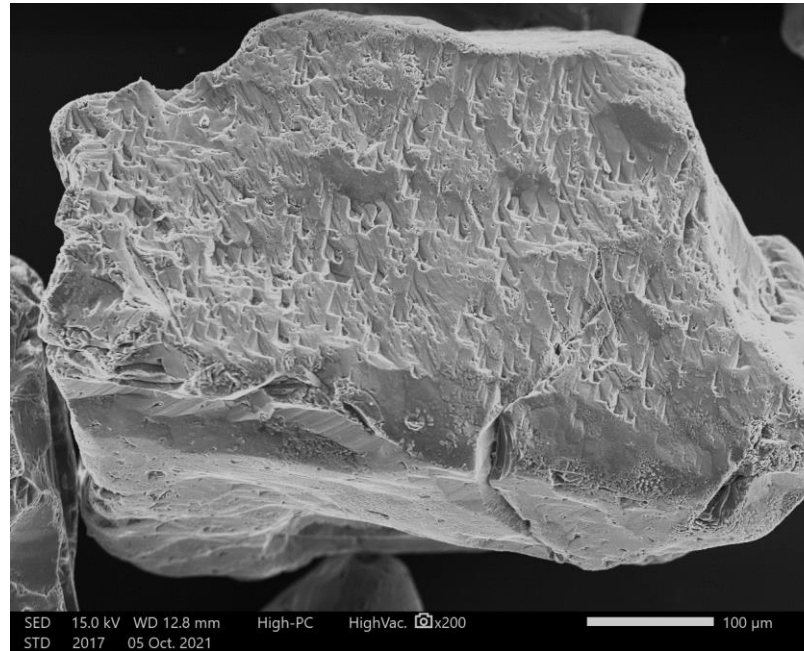
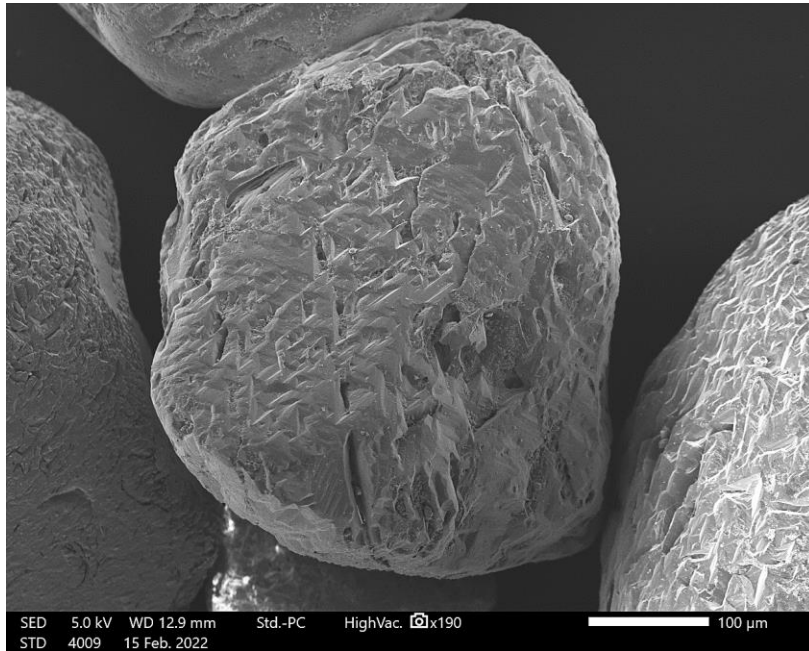
SED 15.0 kV WD 12.3 mm High-PC HighVac. x65
STD 2396 19 Oct. 2021 200 µm



SED 5.0 kV WD 12.6 mm High-PC HighVac. x350
STD 2099 06 Oct. 2021 50 µm

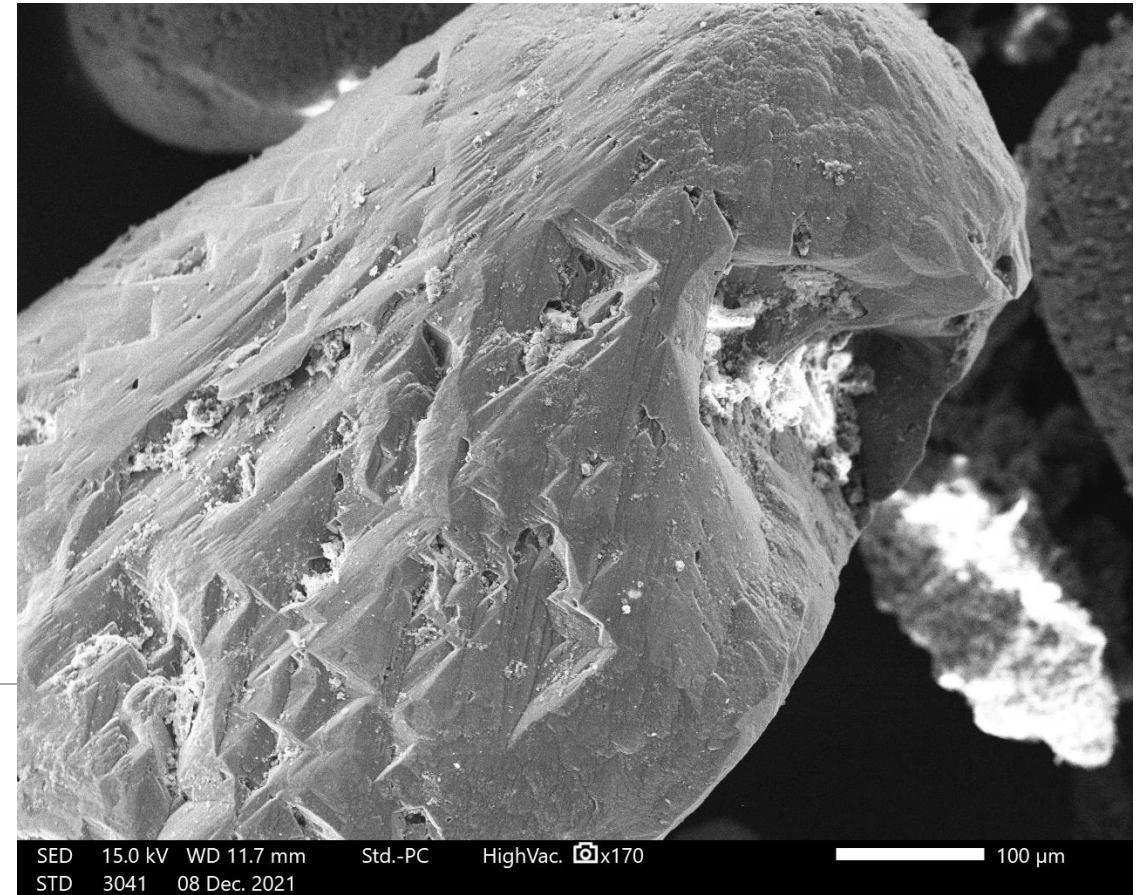
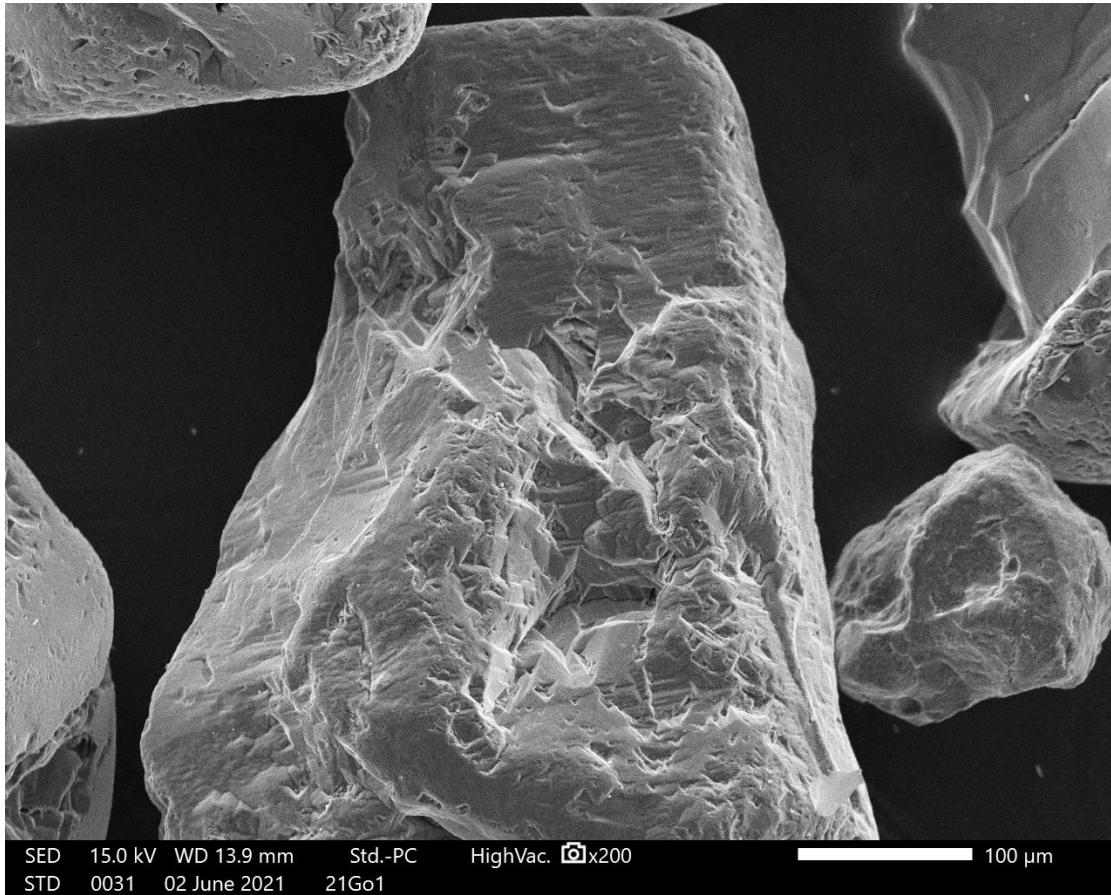
Mechanical

V-shaped percussion cracks



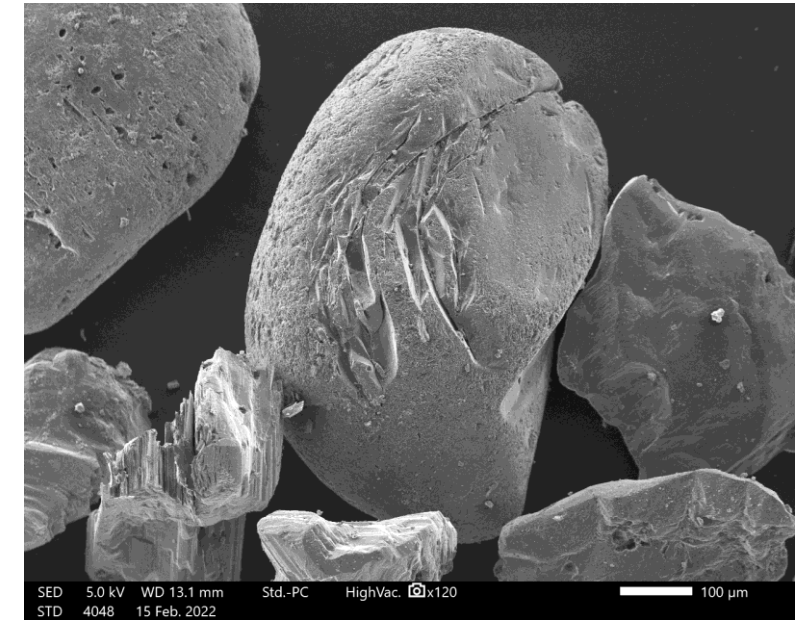
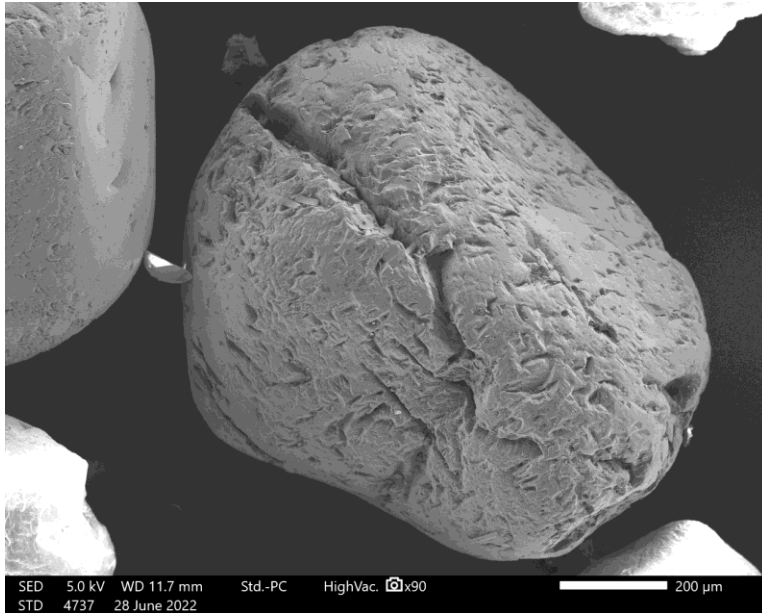
Mechanical

V-shaped percussion cracks



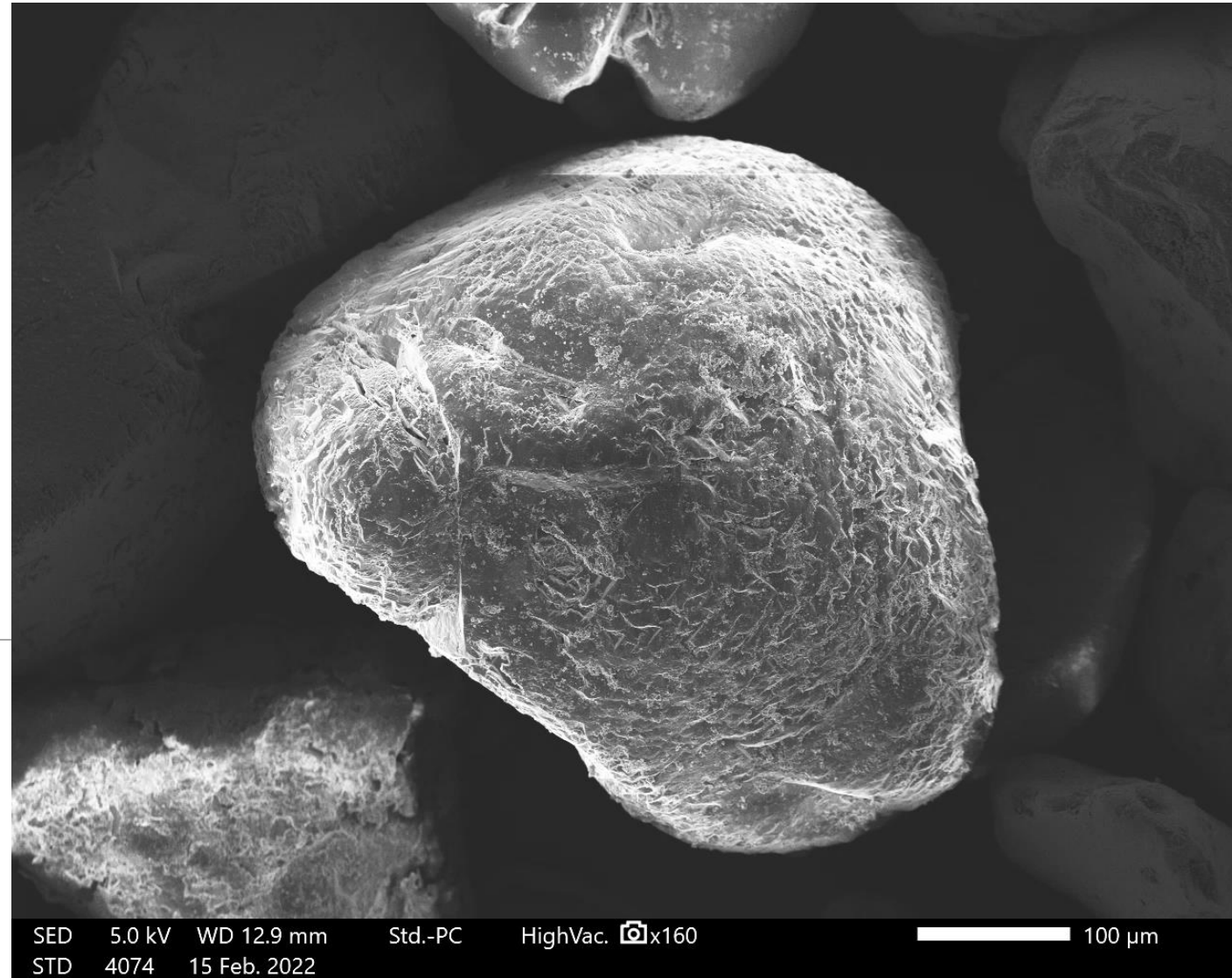
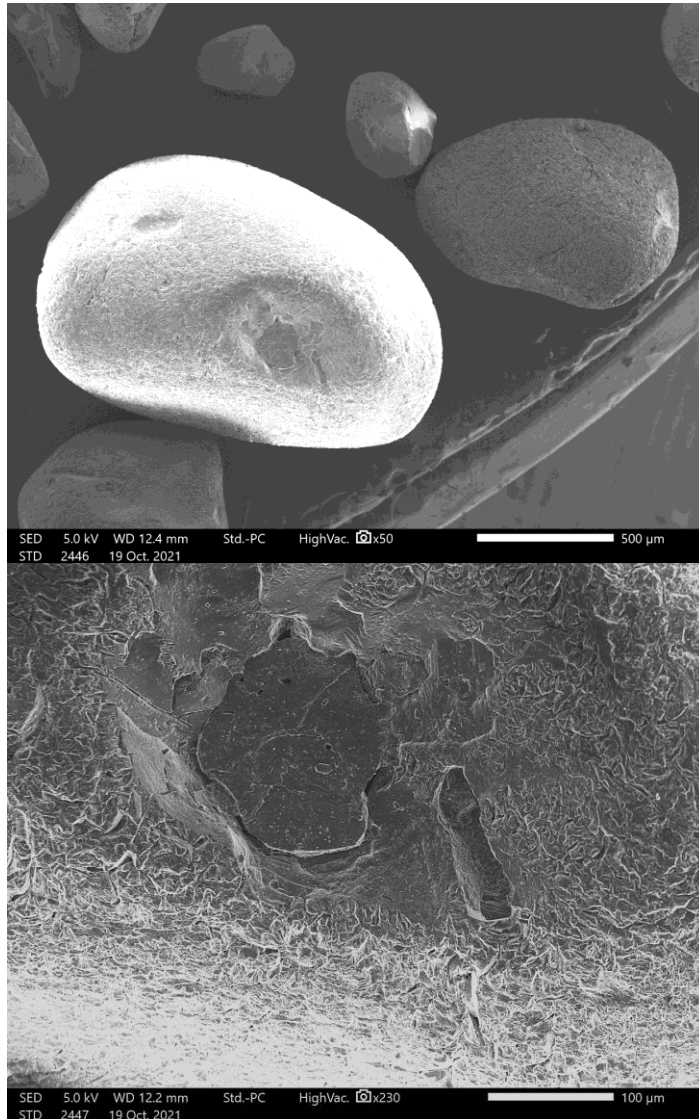
Mechanical

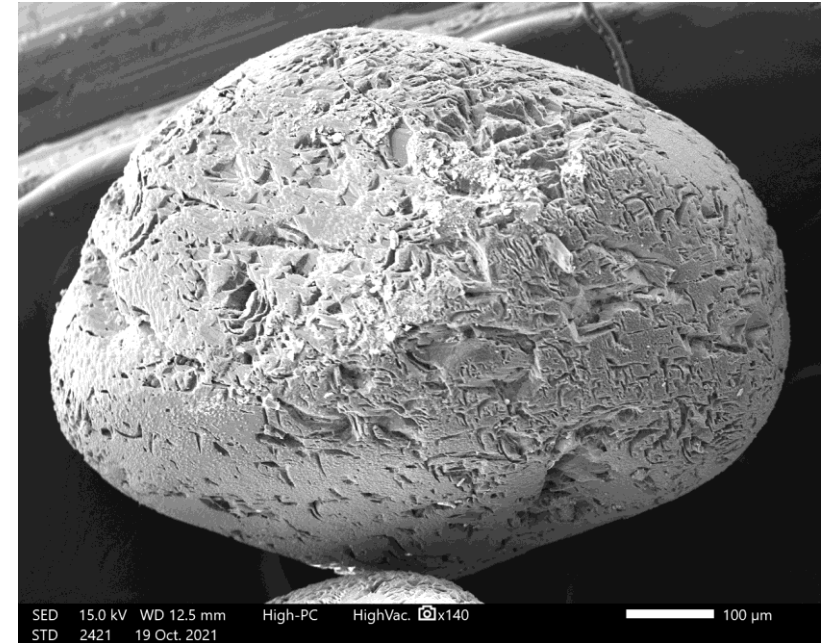
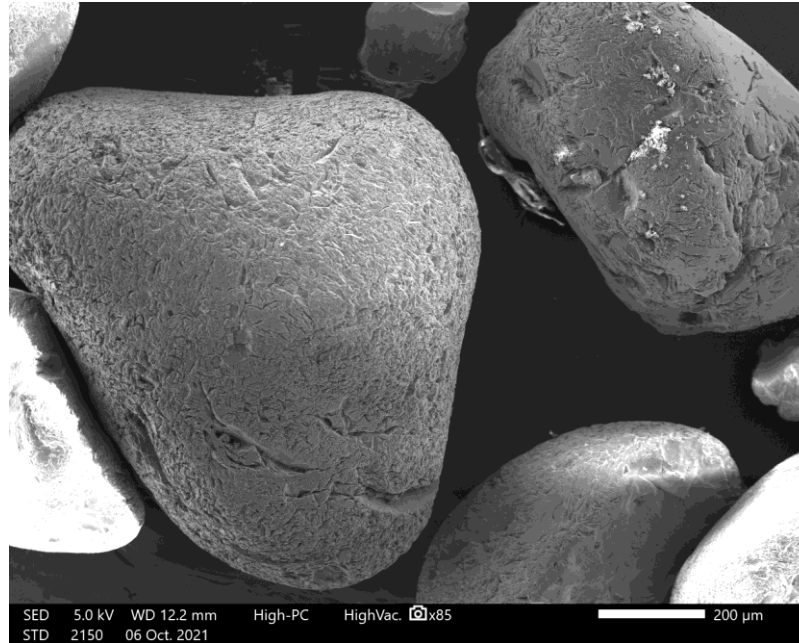
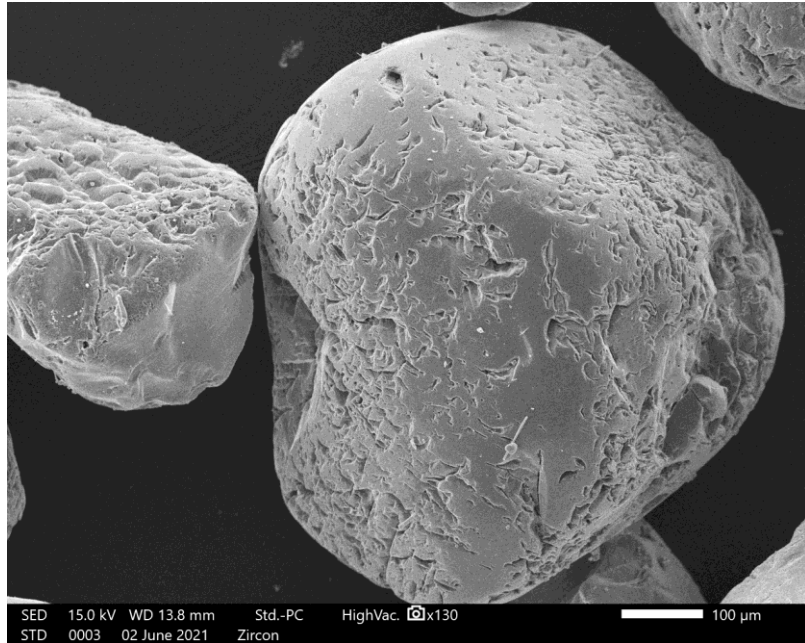
Straight/curved grooves and scratches



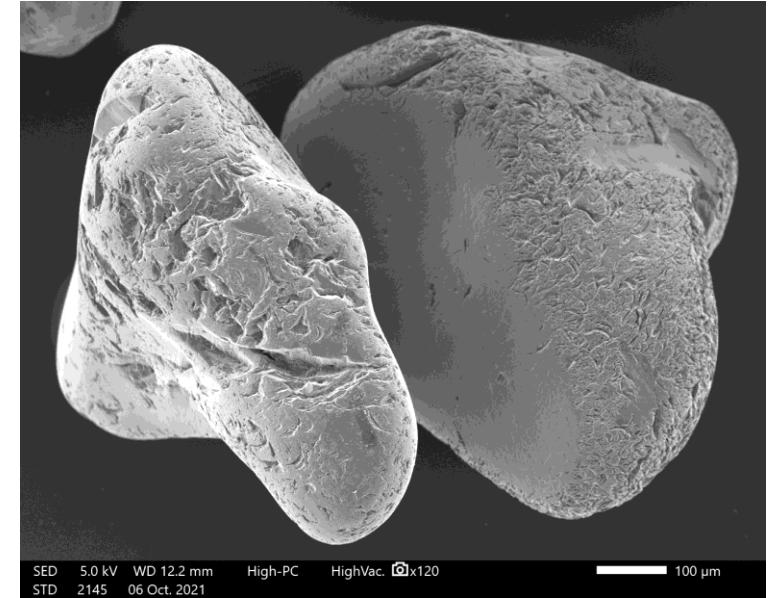
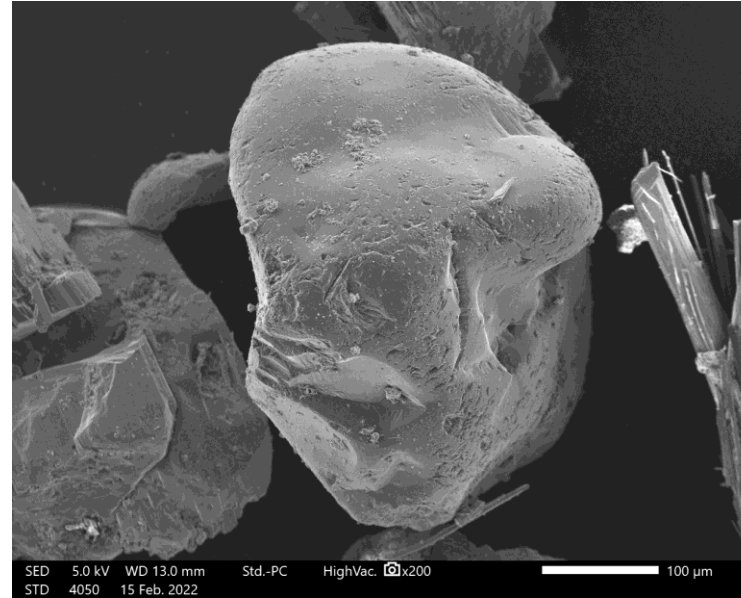
Mechanical

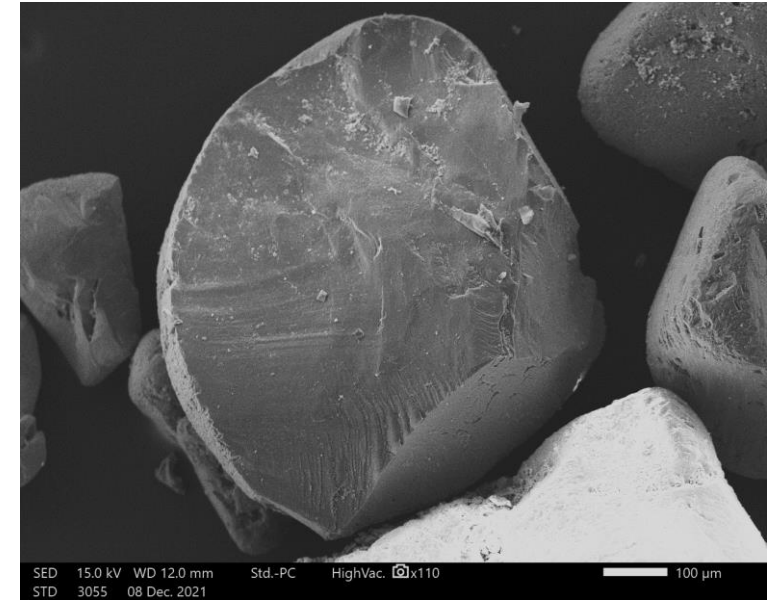
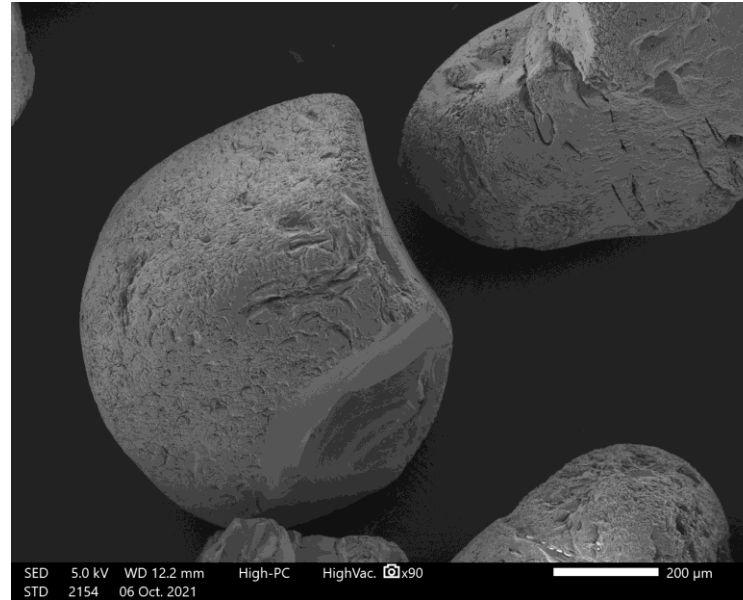
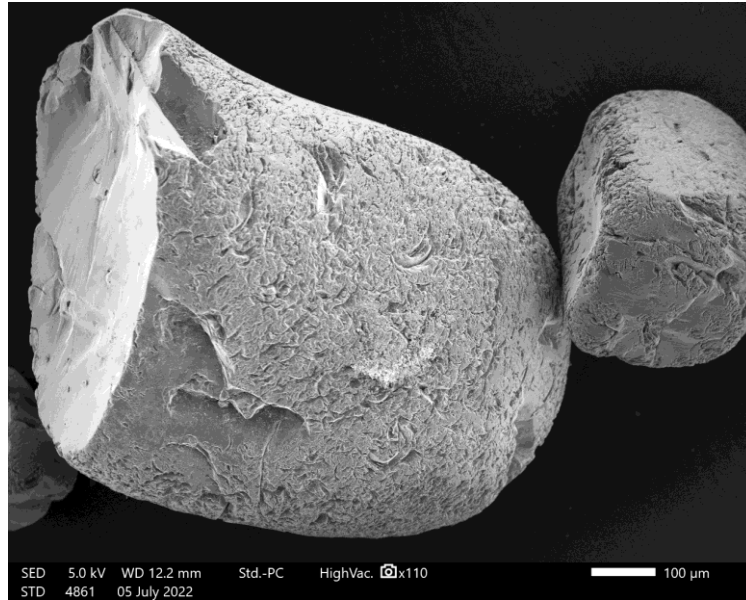
Upturned plates

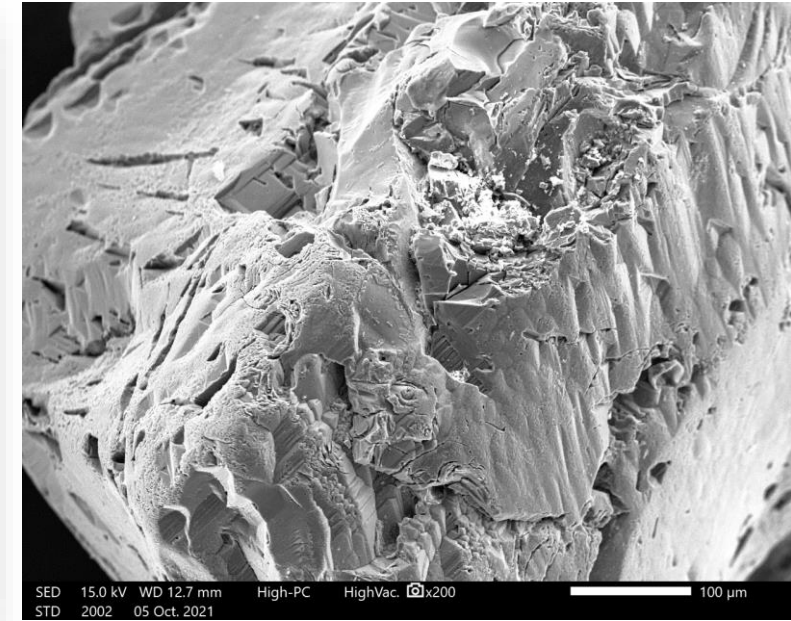
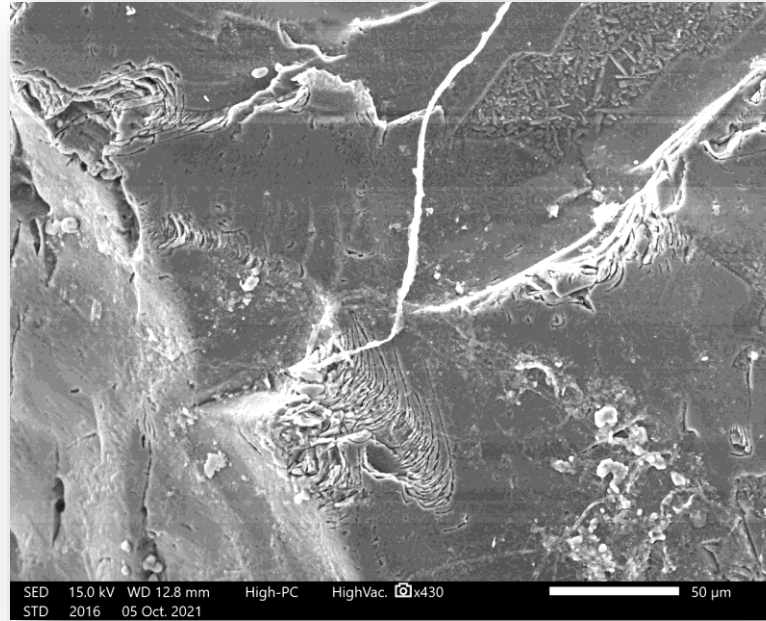
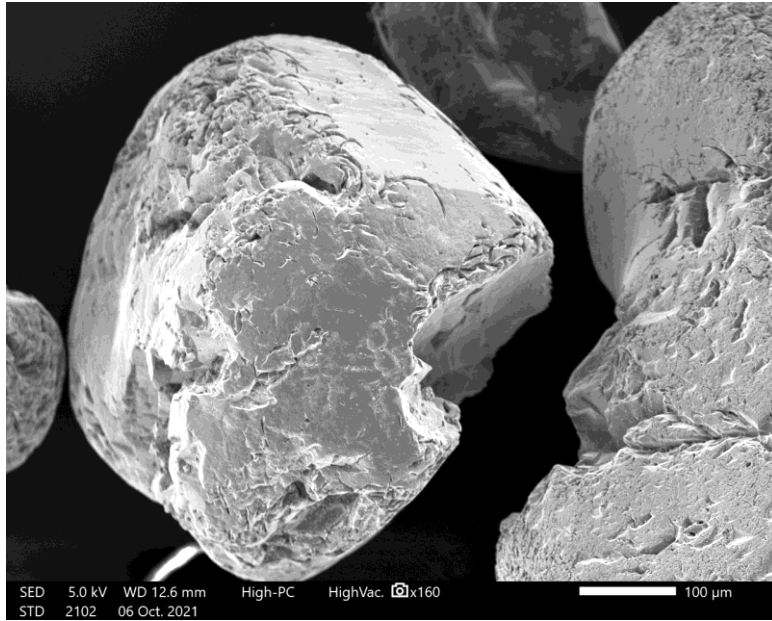


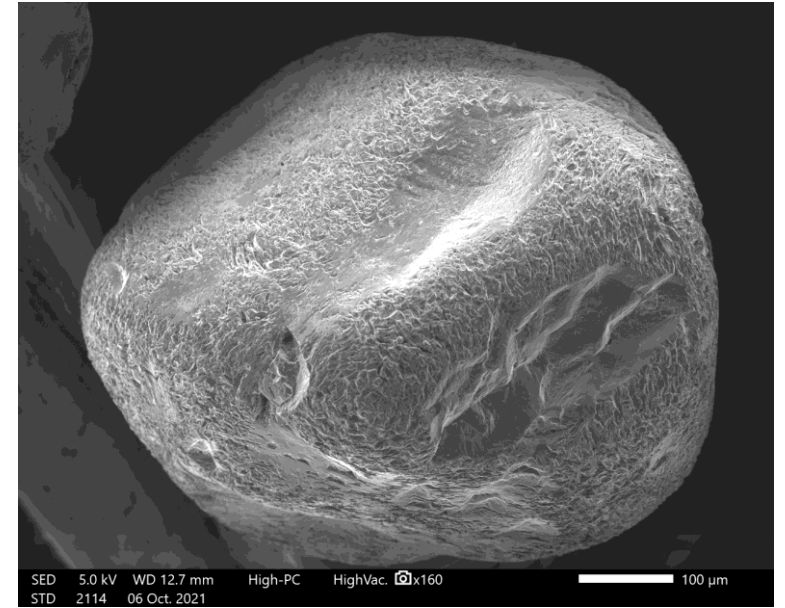
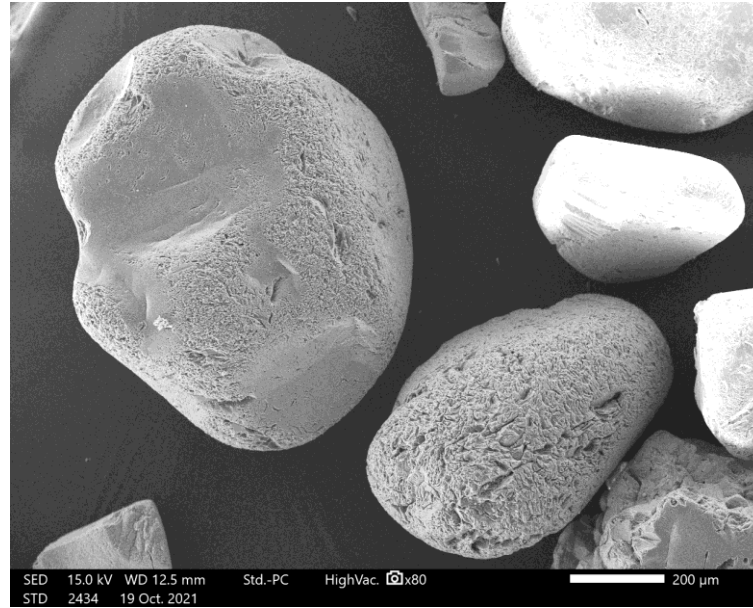
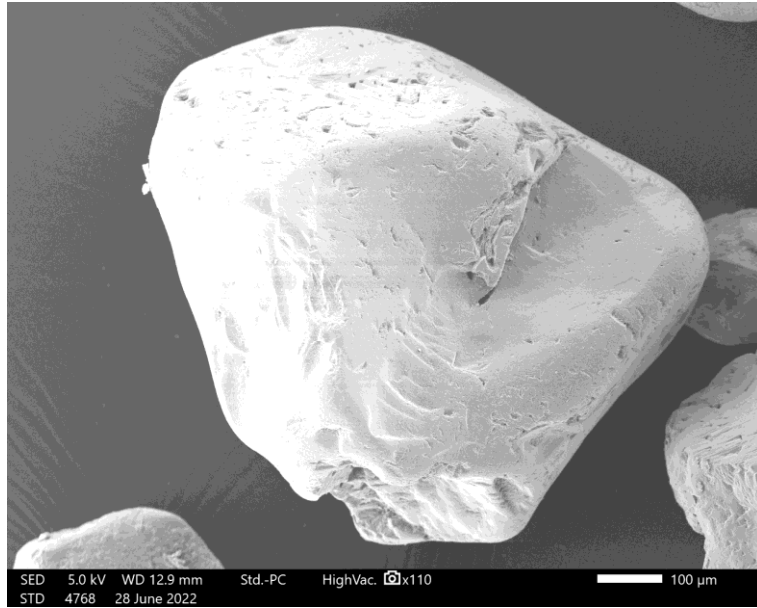


Bulbous edges



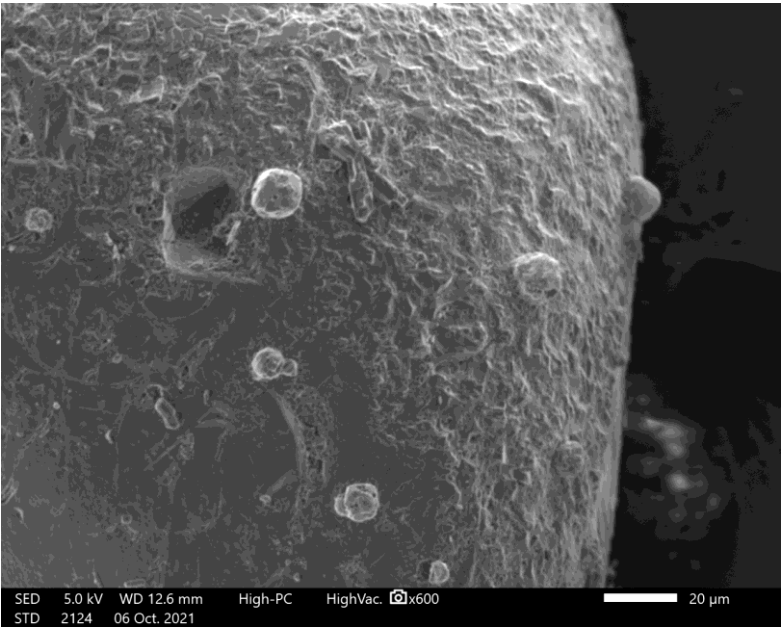
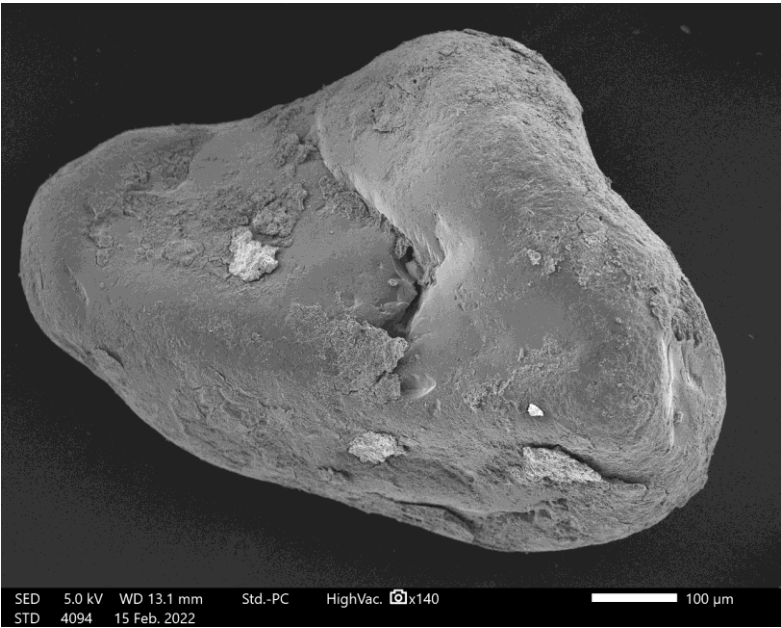
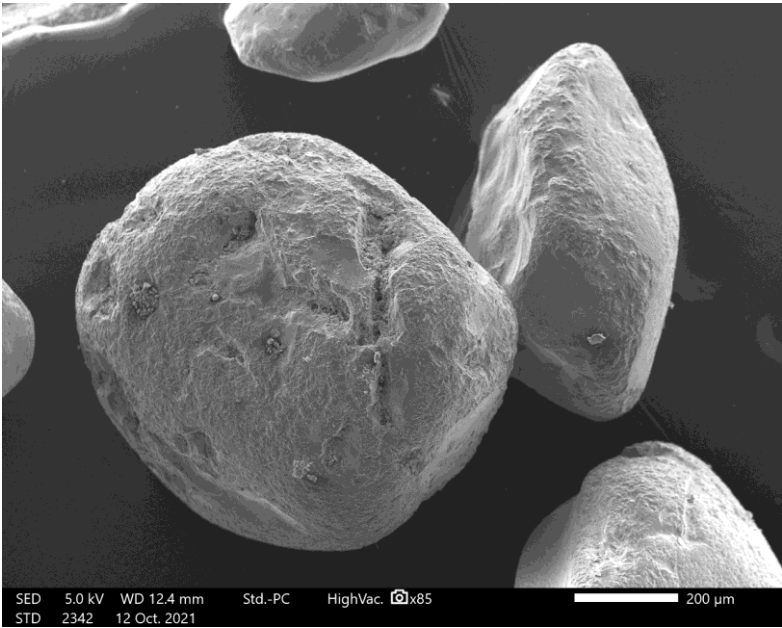




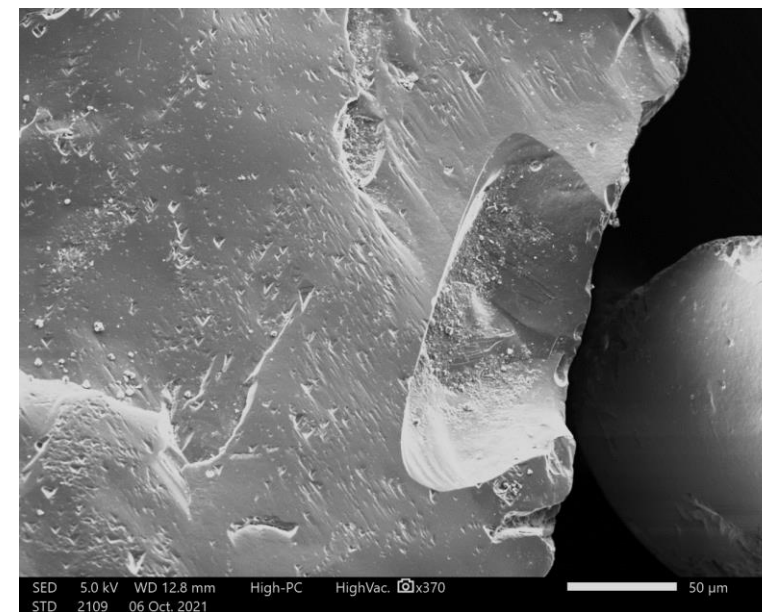
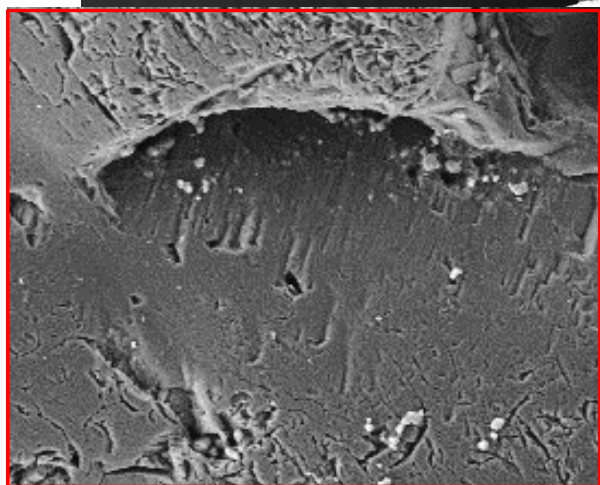
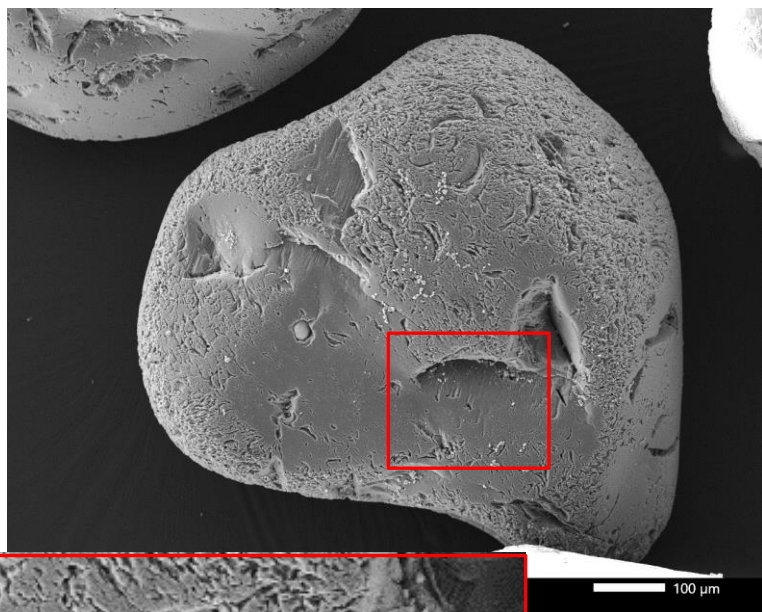


Mechanical/chemical

Adhering particles

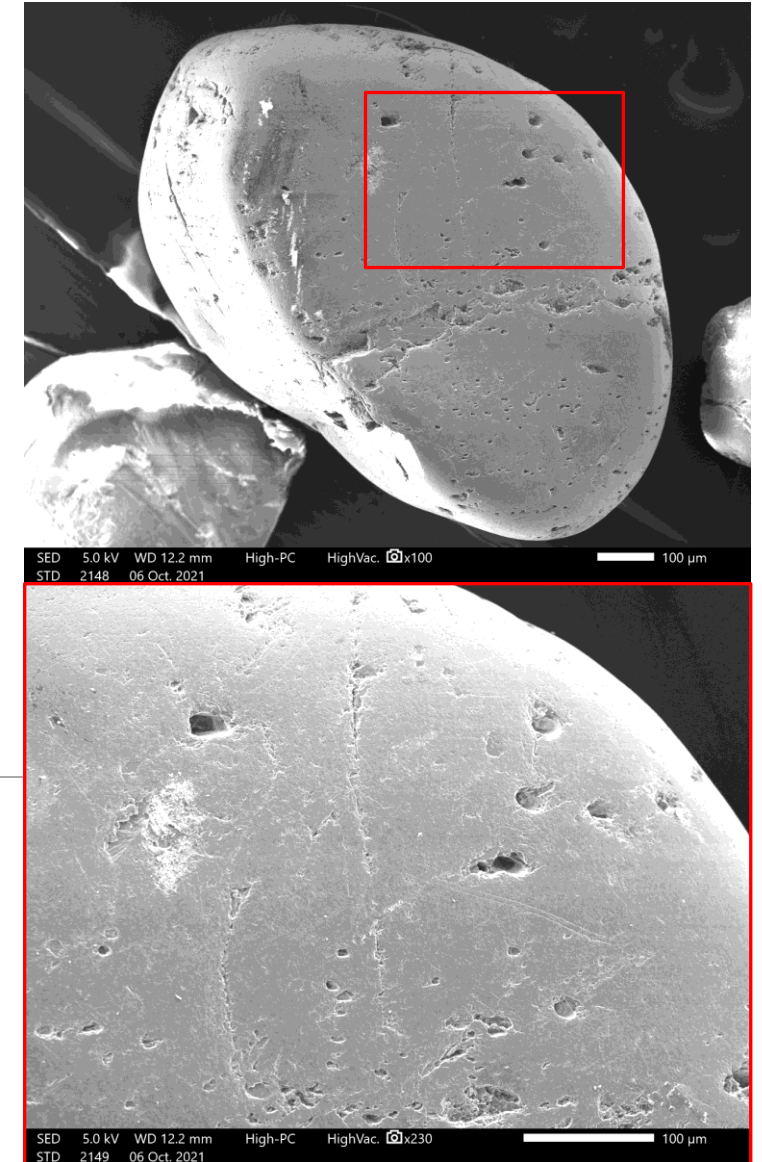
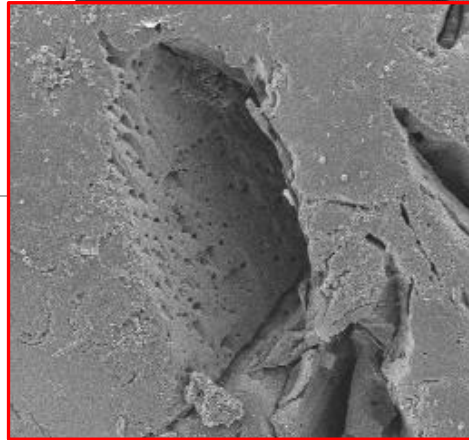
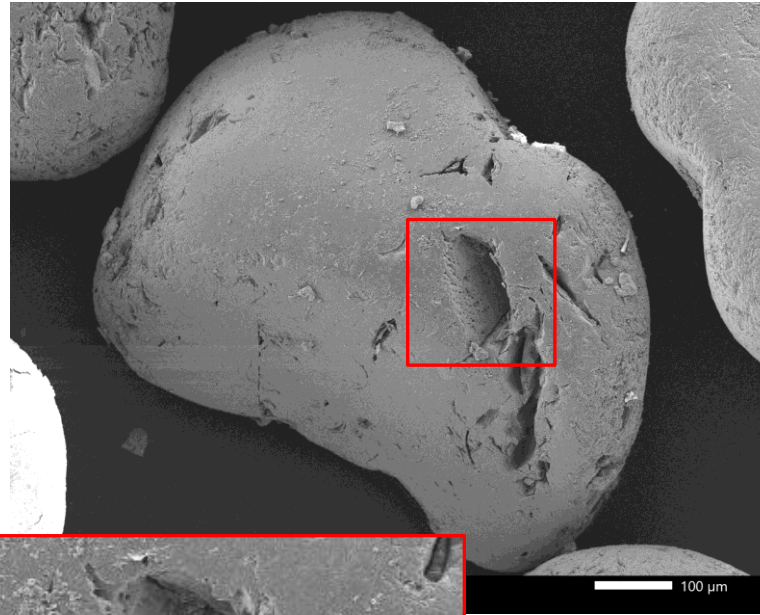
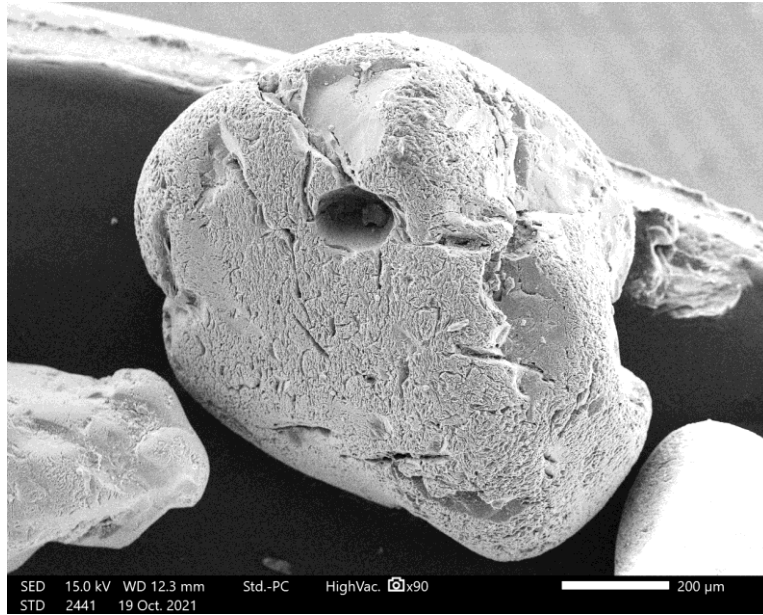


Orientated etch pits



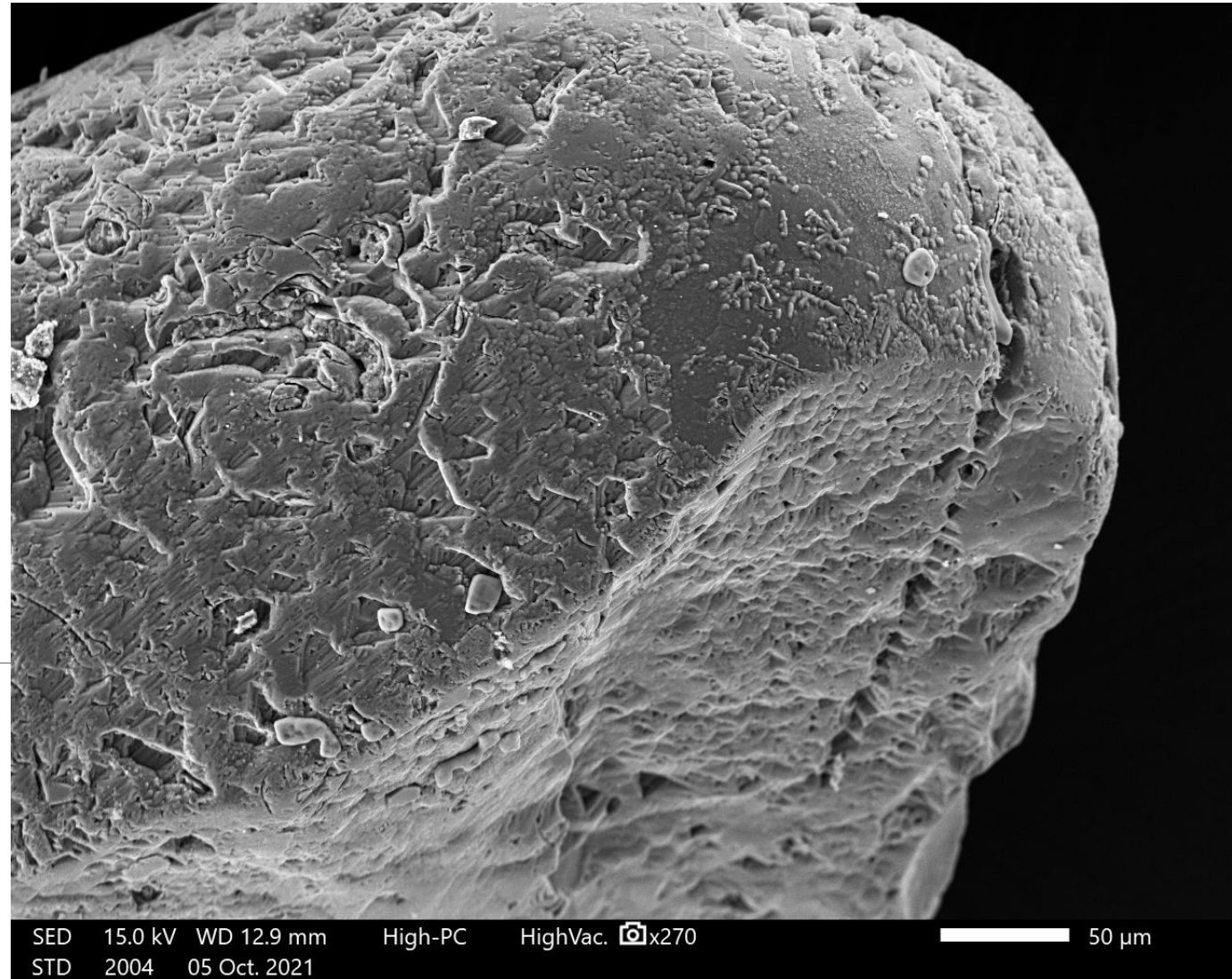
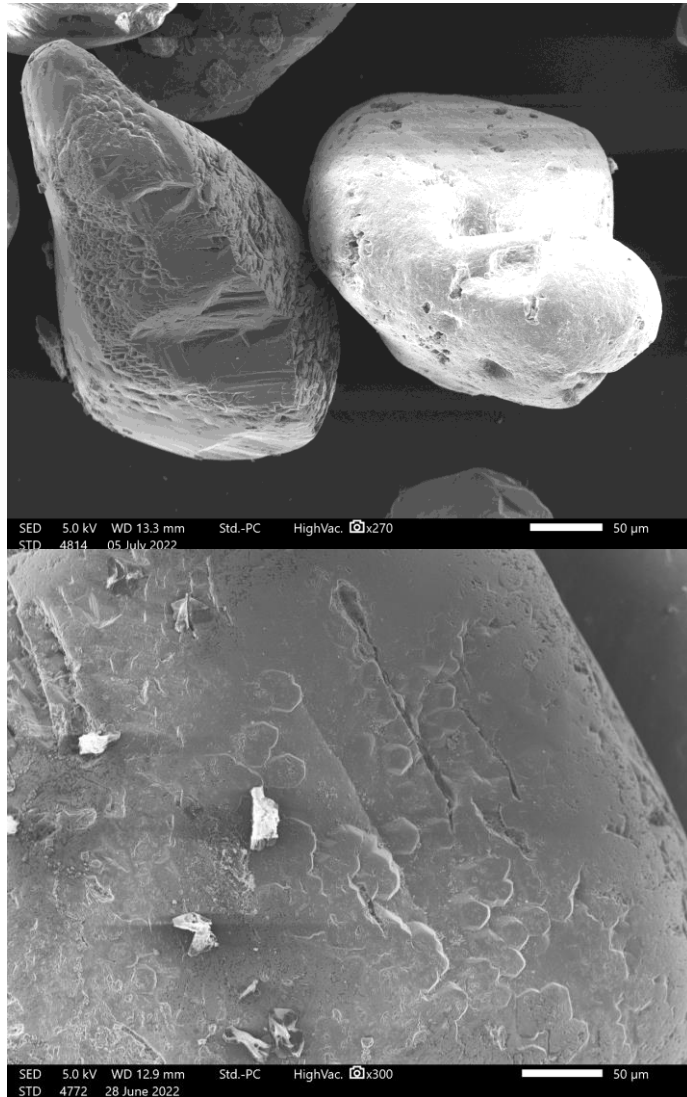
Chemical - dissolution

Solution pits and crevasses



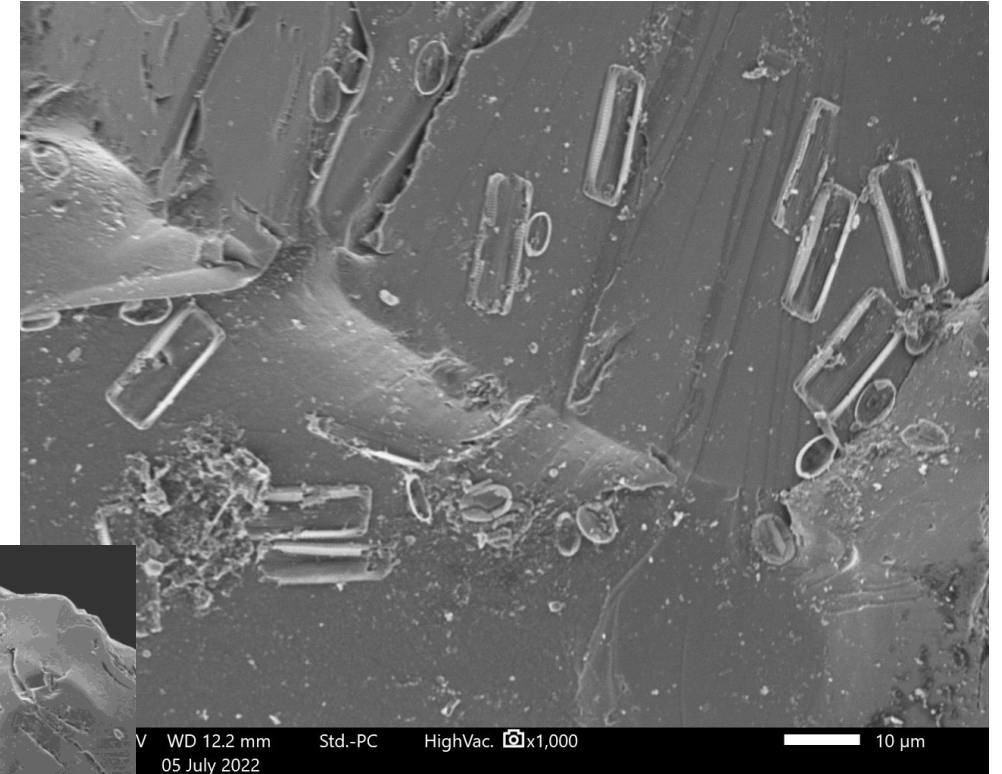
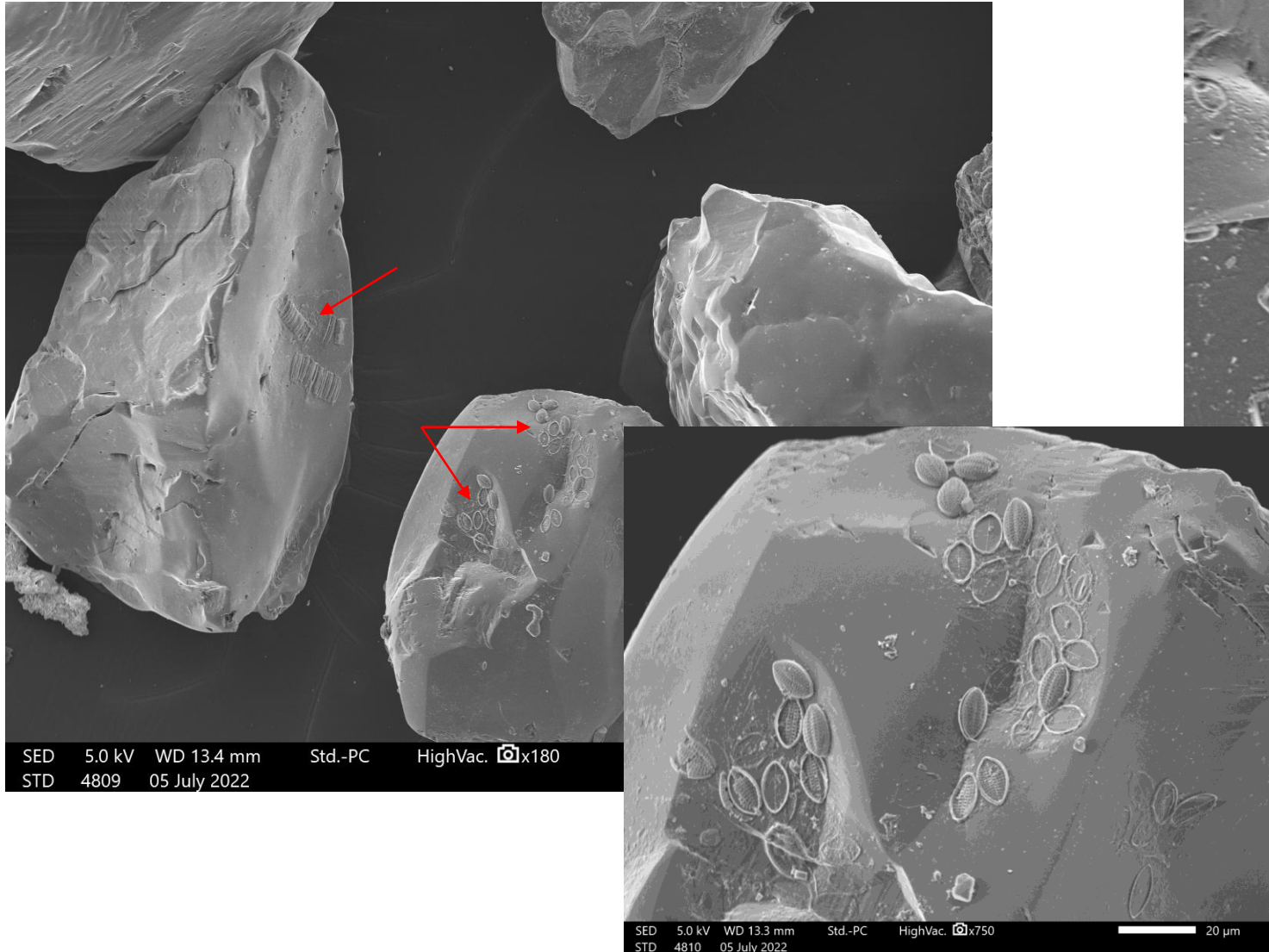
Chemical - precipitation

Silica growth/precipitation



Chemical - precipitation

Diatoms



Chemical - precipitation

Crystalline overgrowth

