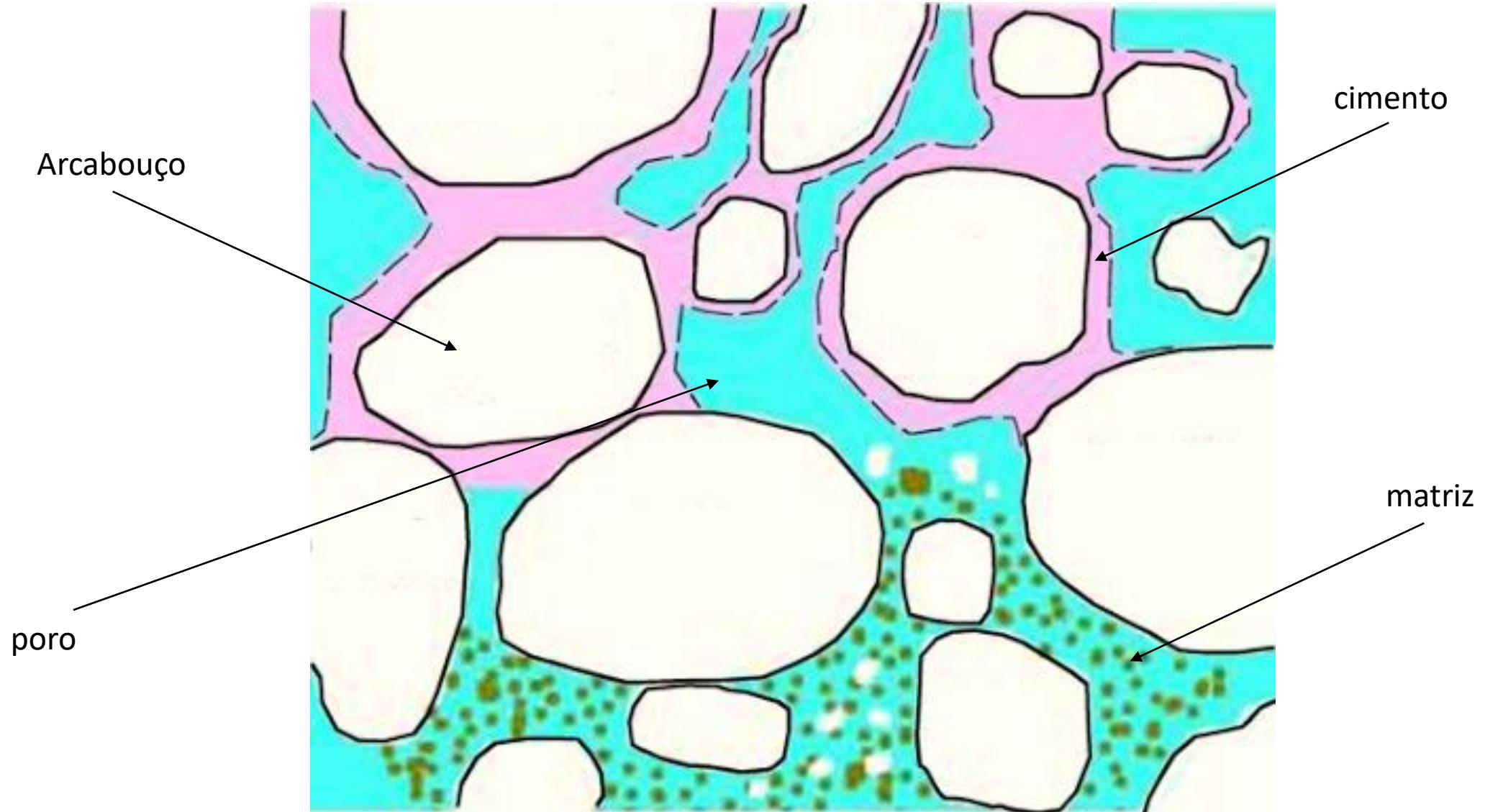


Diagênese

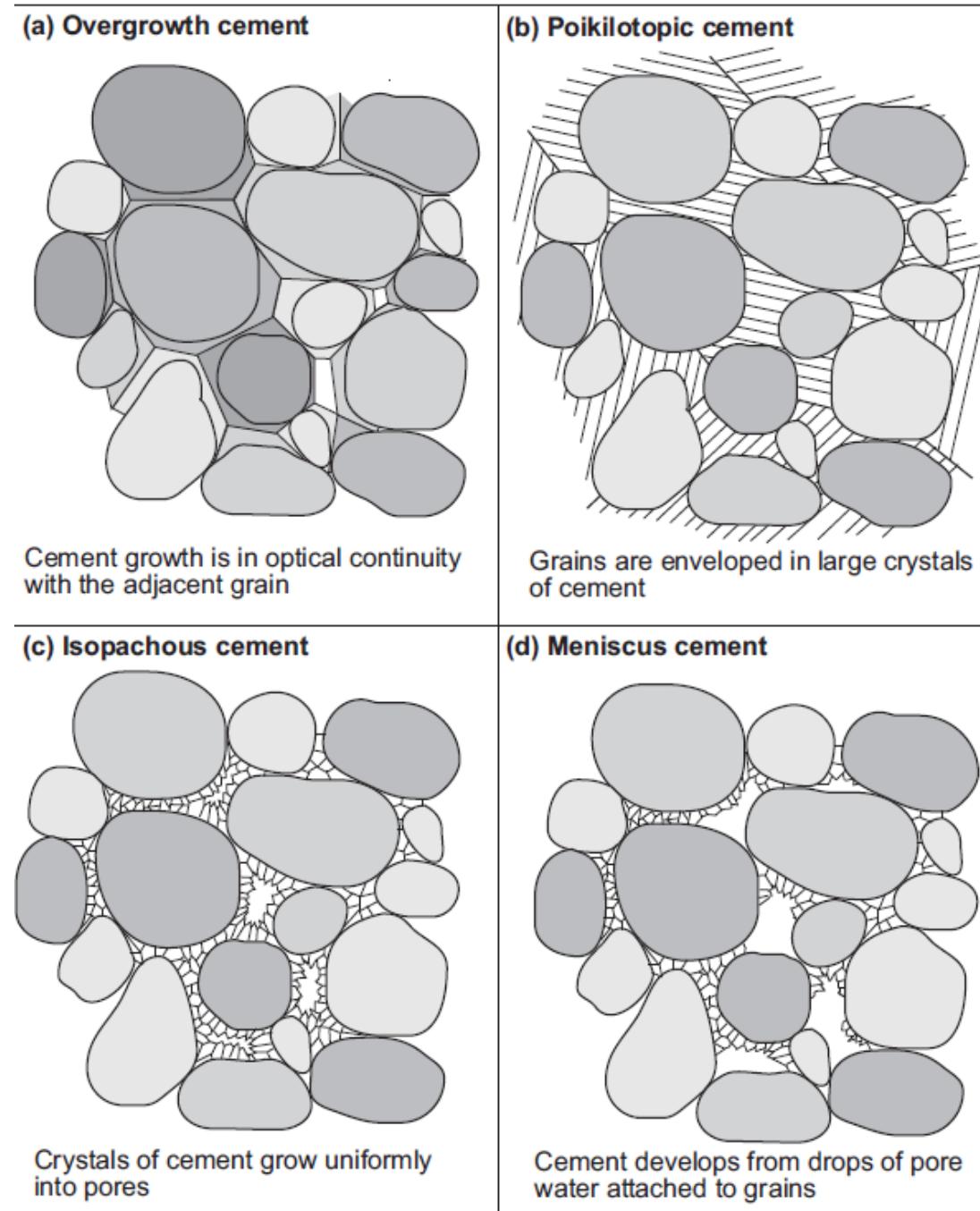
“Cimentação”

Arcabouço, matriz, cimento e poro





Texturas de cimentos

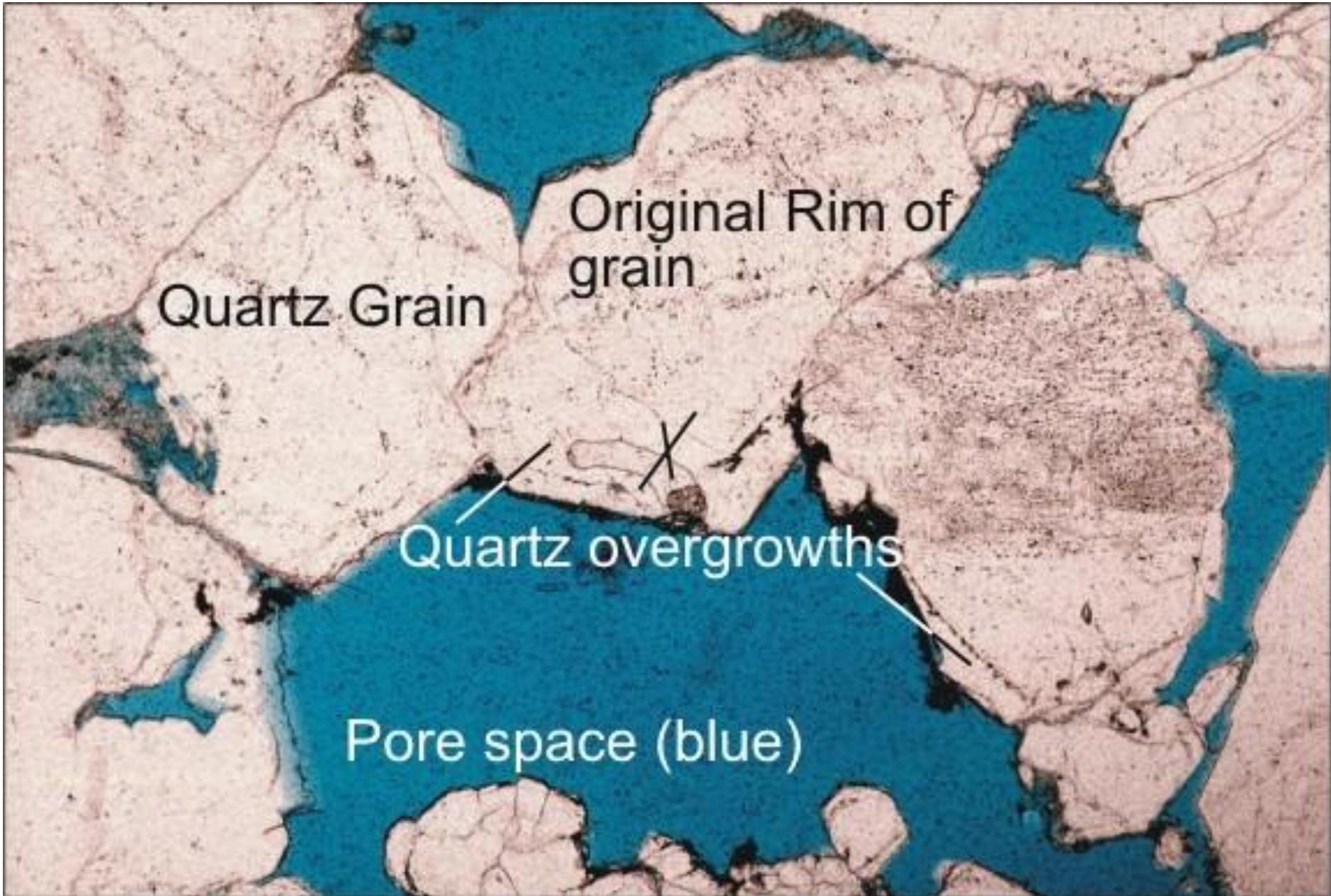


Minerais autogênicos em rochas sedimentares (*mais comuns)

- Quartzo*
- Calcita*
- Dolomita*
- Hematita*
- Goethita
- Anidrita*
- Gipso*
- Caulinita*
- Esmectita*
- Ilita*
- Clorita
- Piritita
- Siderita
- Barita
- Halita
- Zeólita
- Stevensita
- Anatásio
- Albita

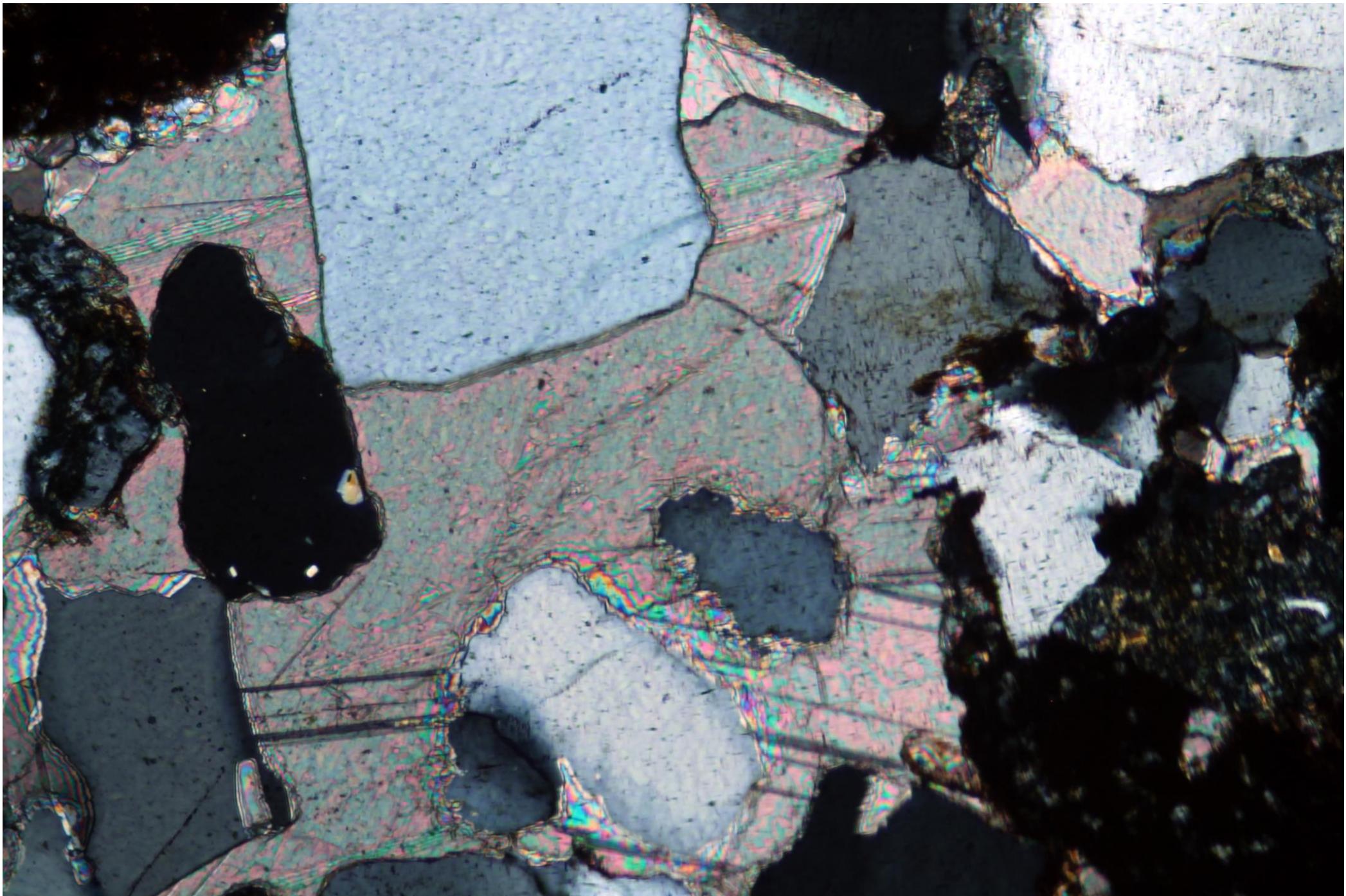
Quartzo

SiO_2



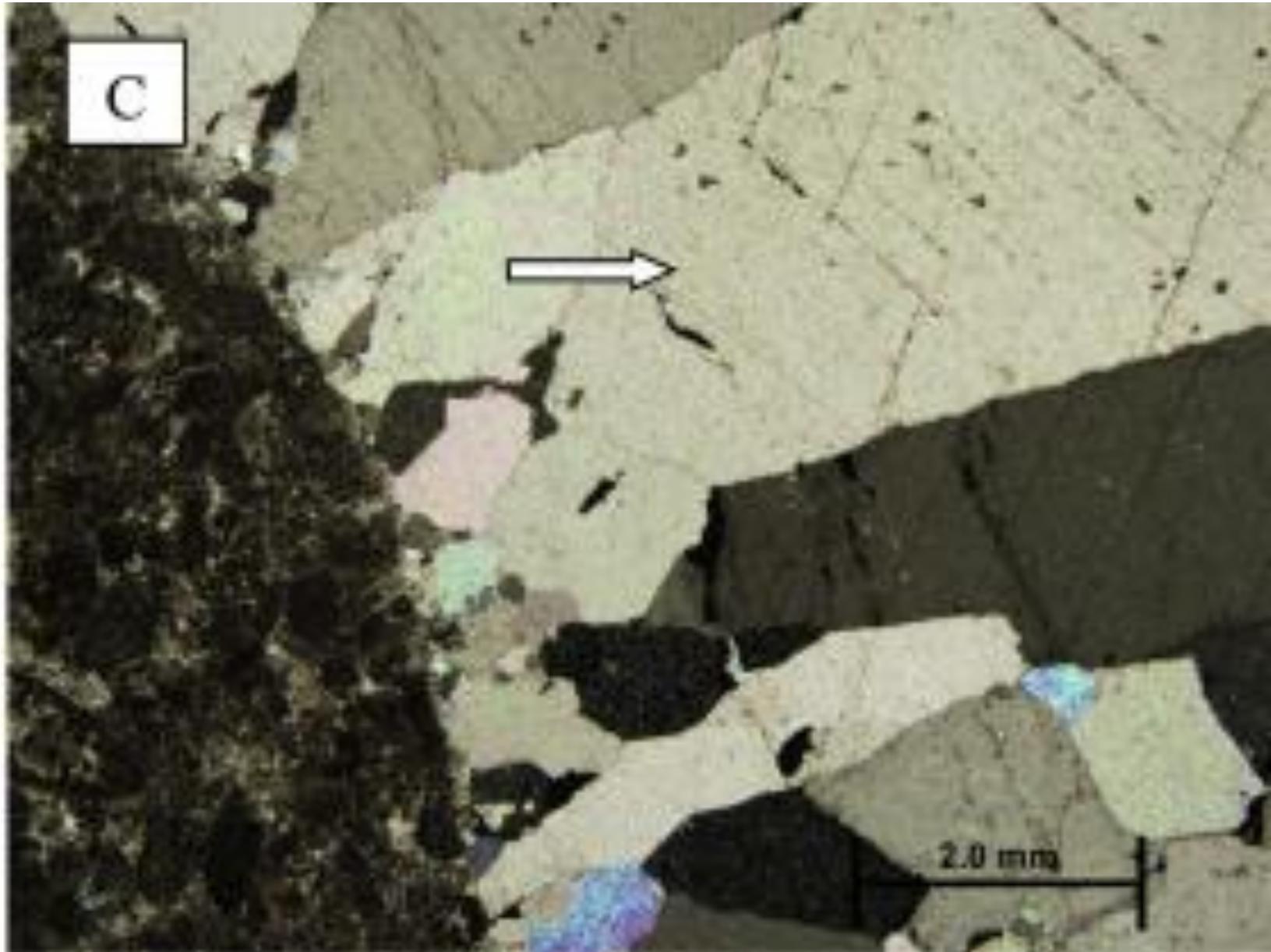
Calcita

CaCO_3



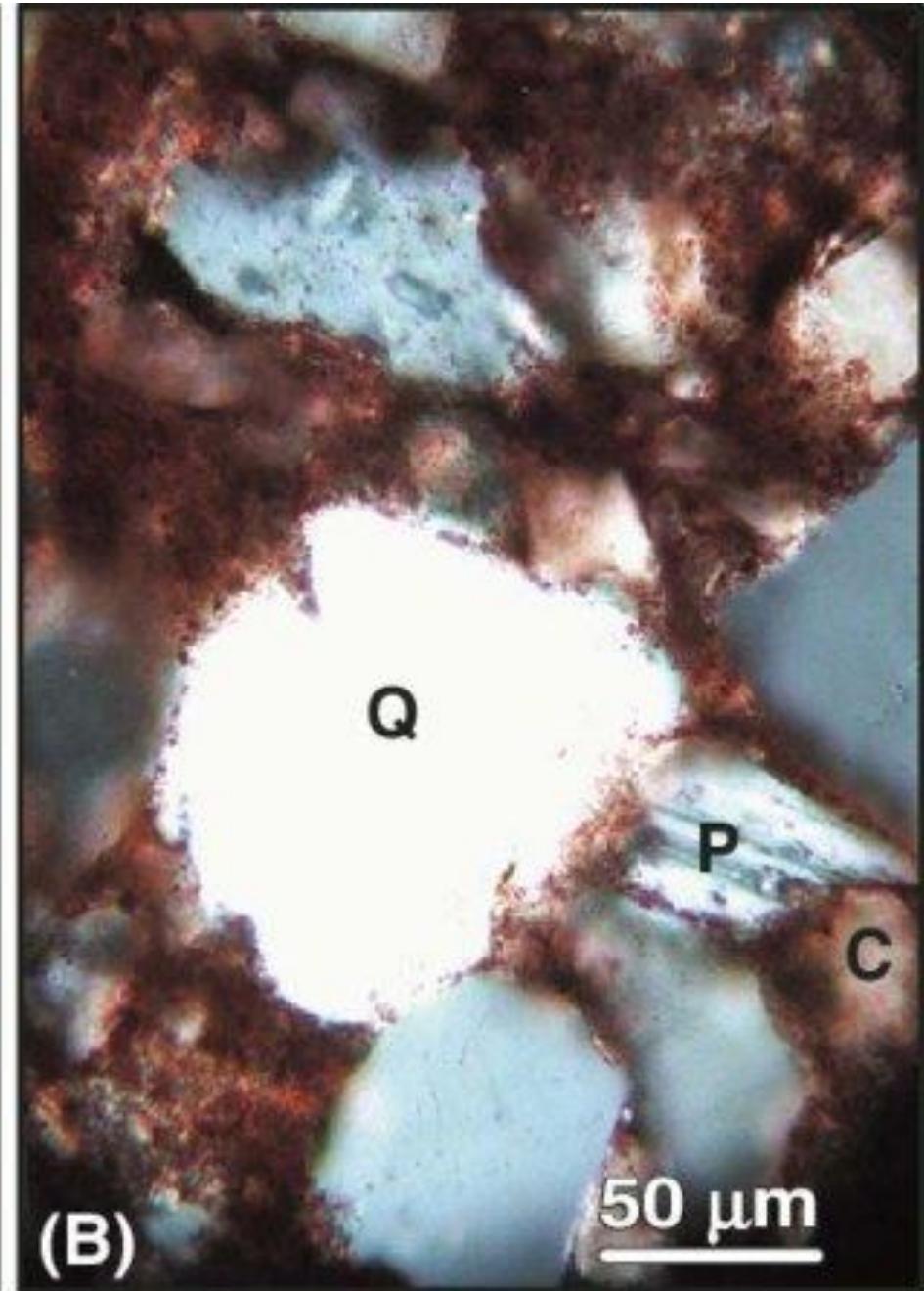
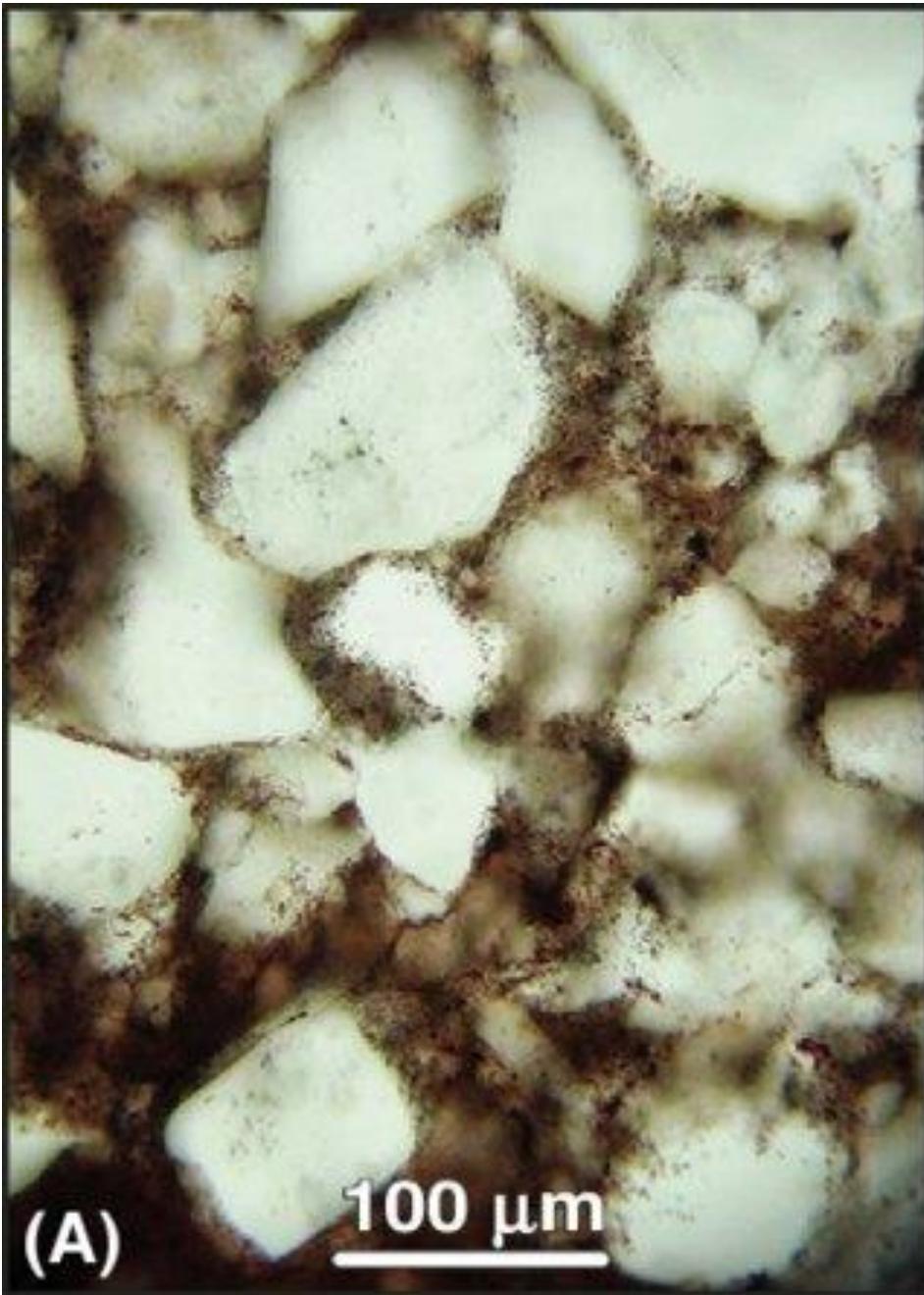
Dolomita

$\text{CaMg}(\text{CO}_3)_2$

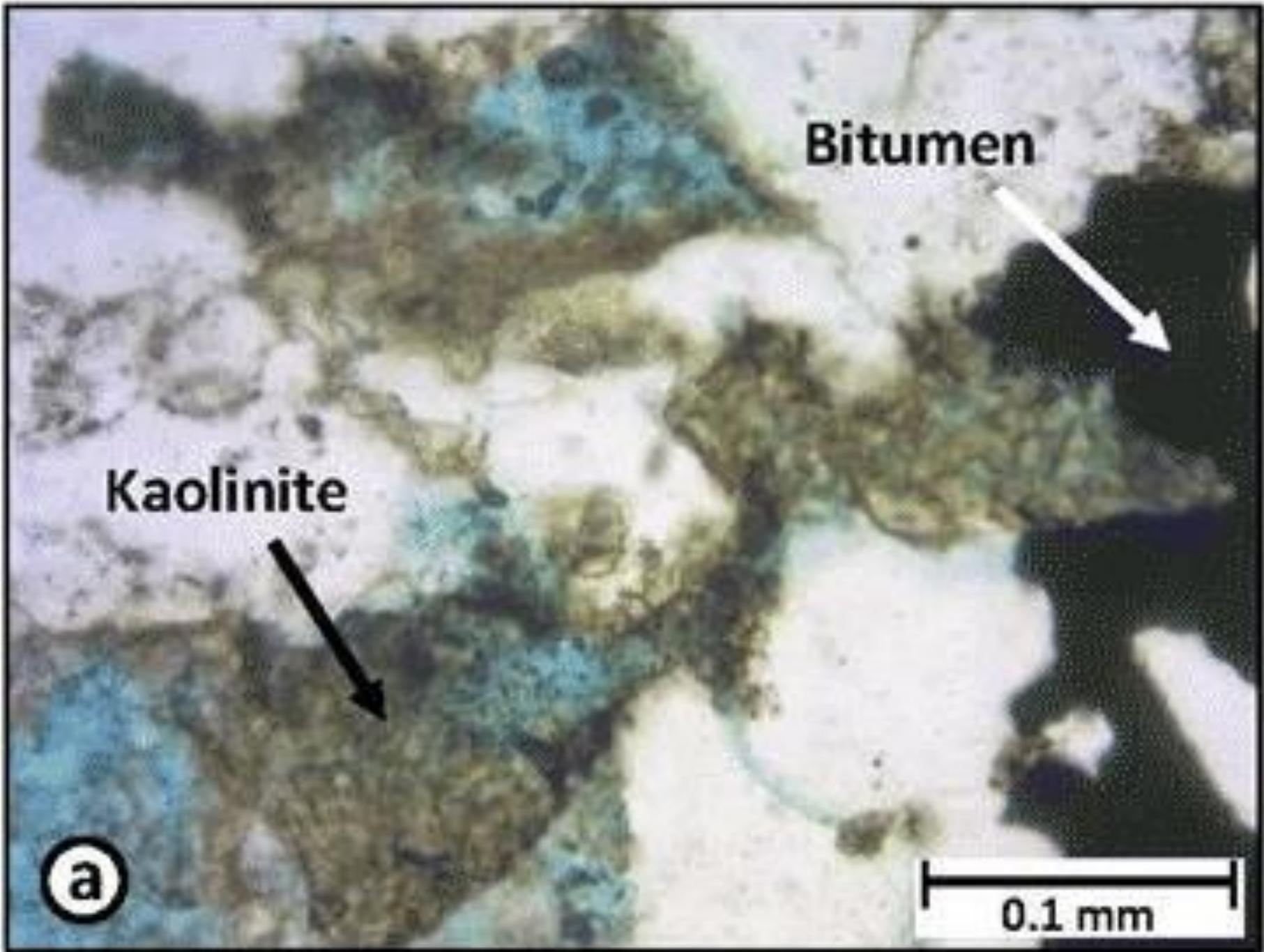


Hematita

Fe_2O_3



Caulinita



Kaolinite



Illite-smectite

4FM

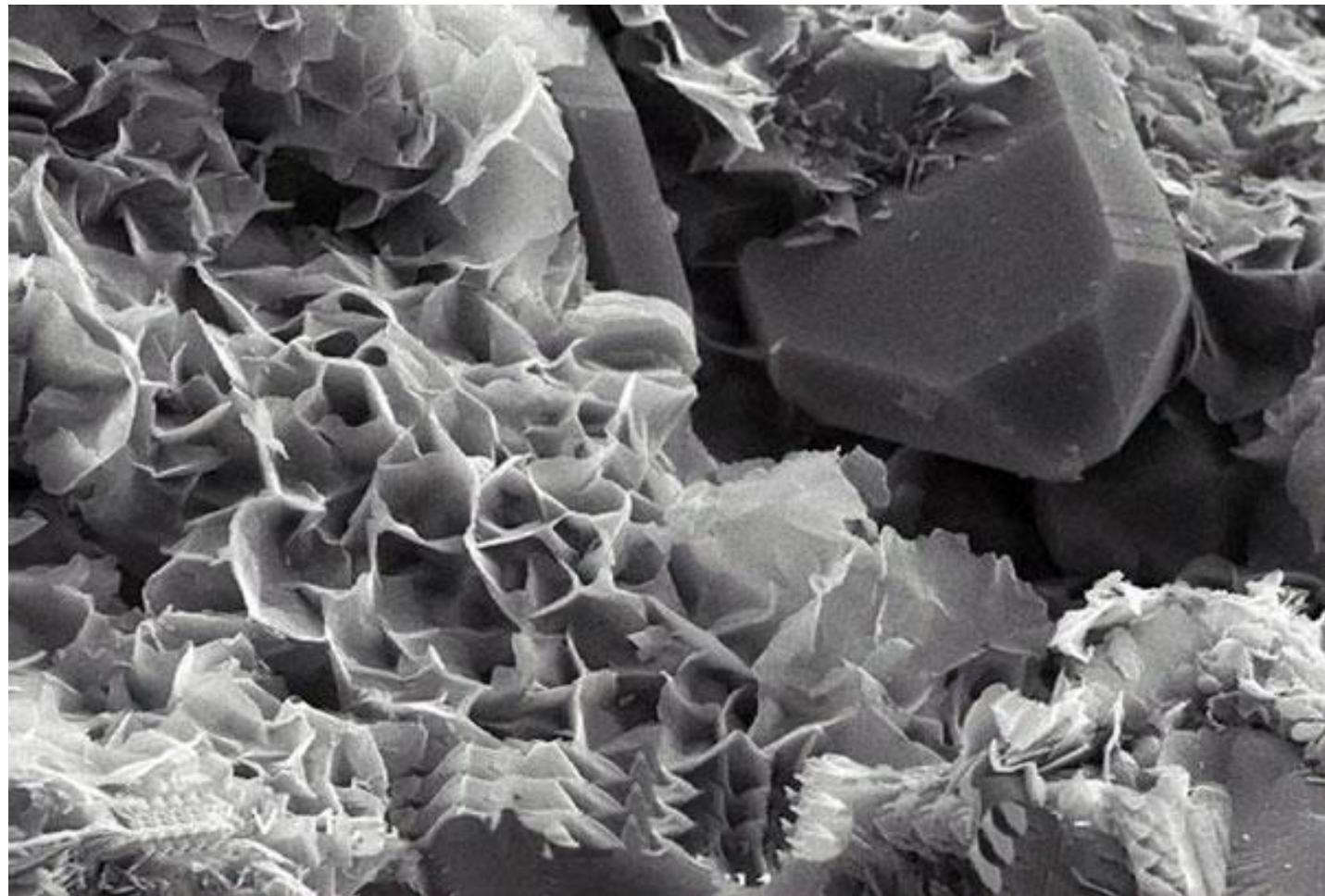
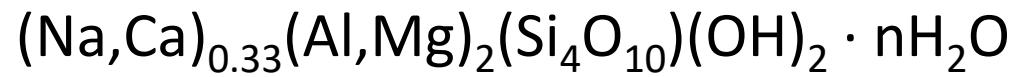
20KV

17

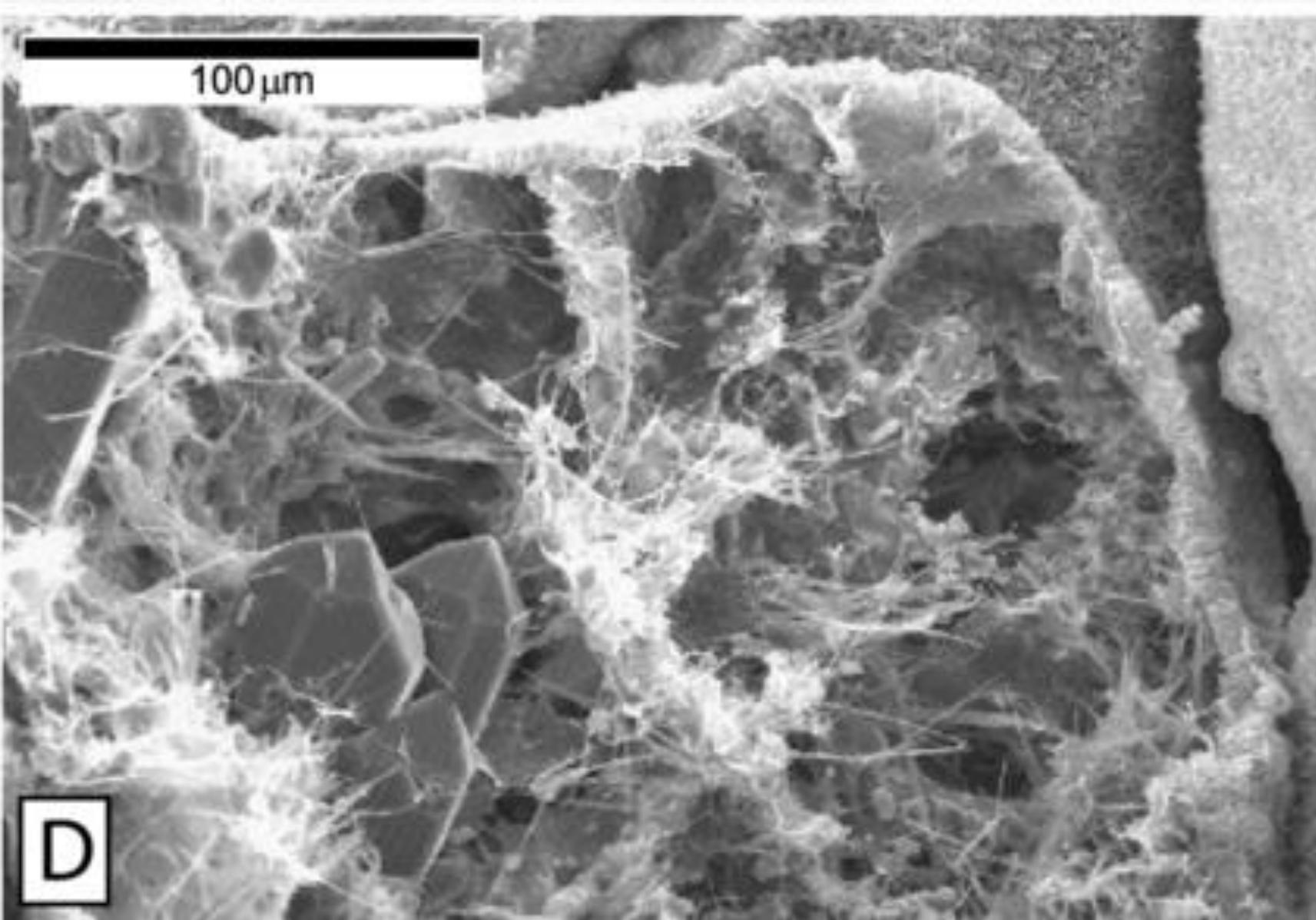
026

S

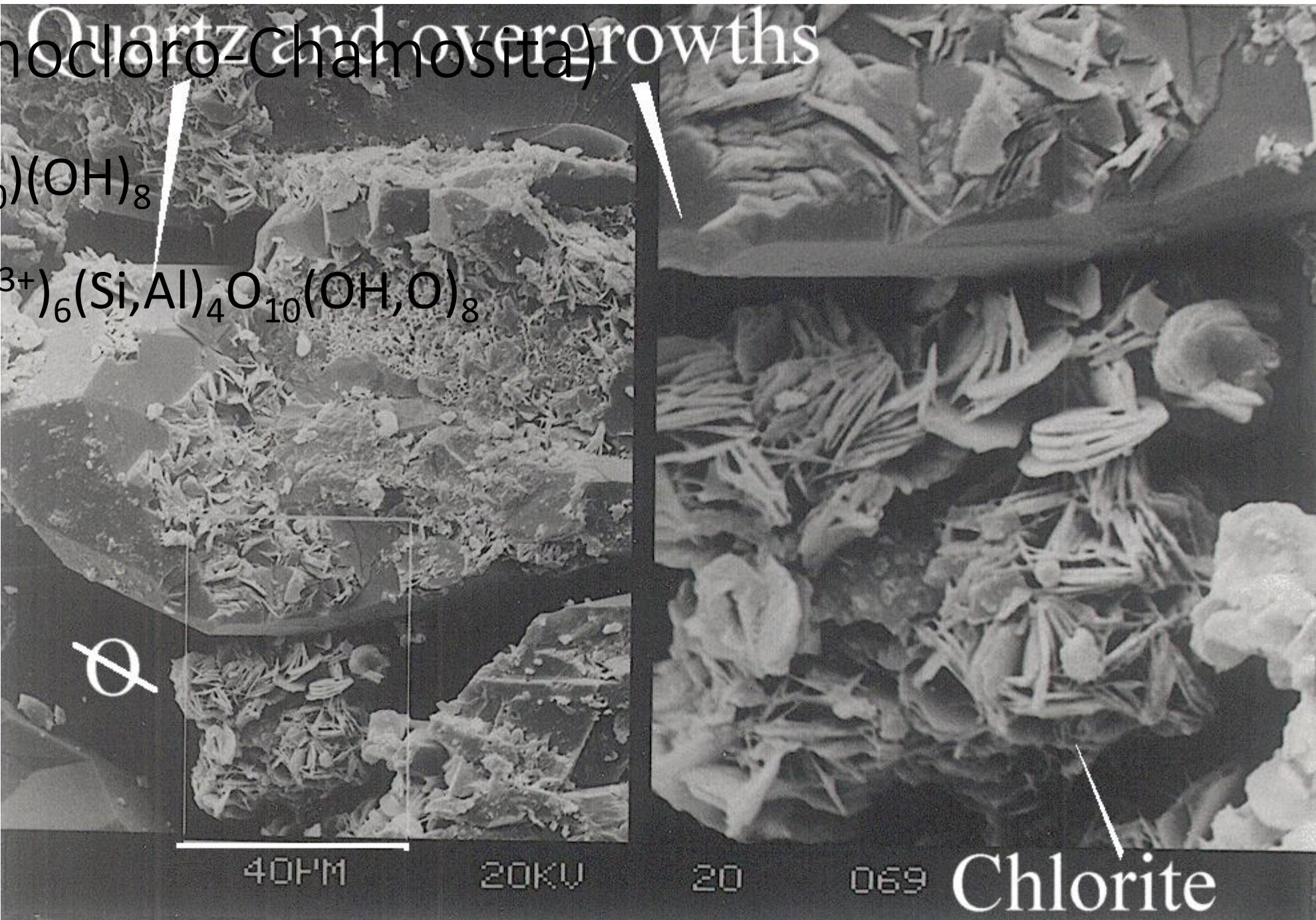
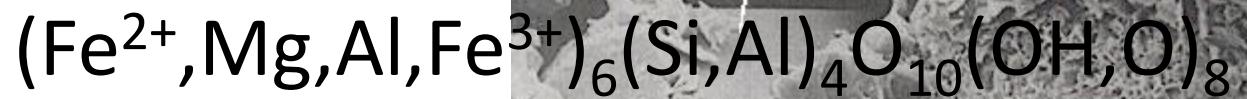
Esmectita (Montimorilonita-Saponita)

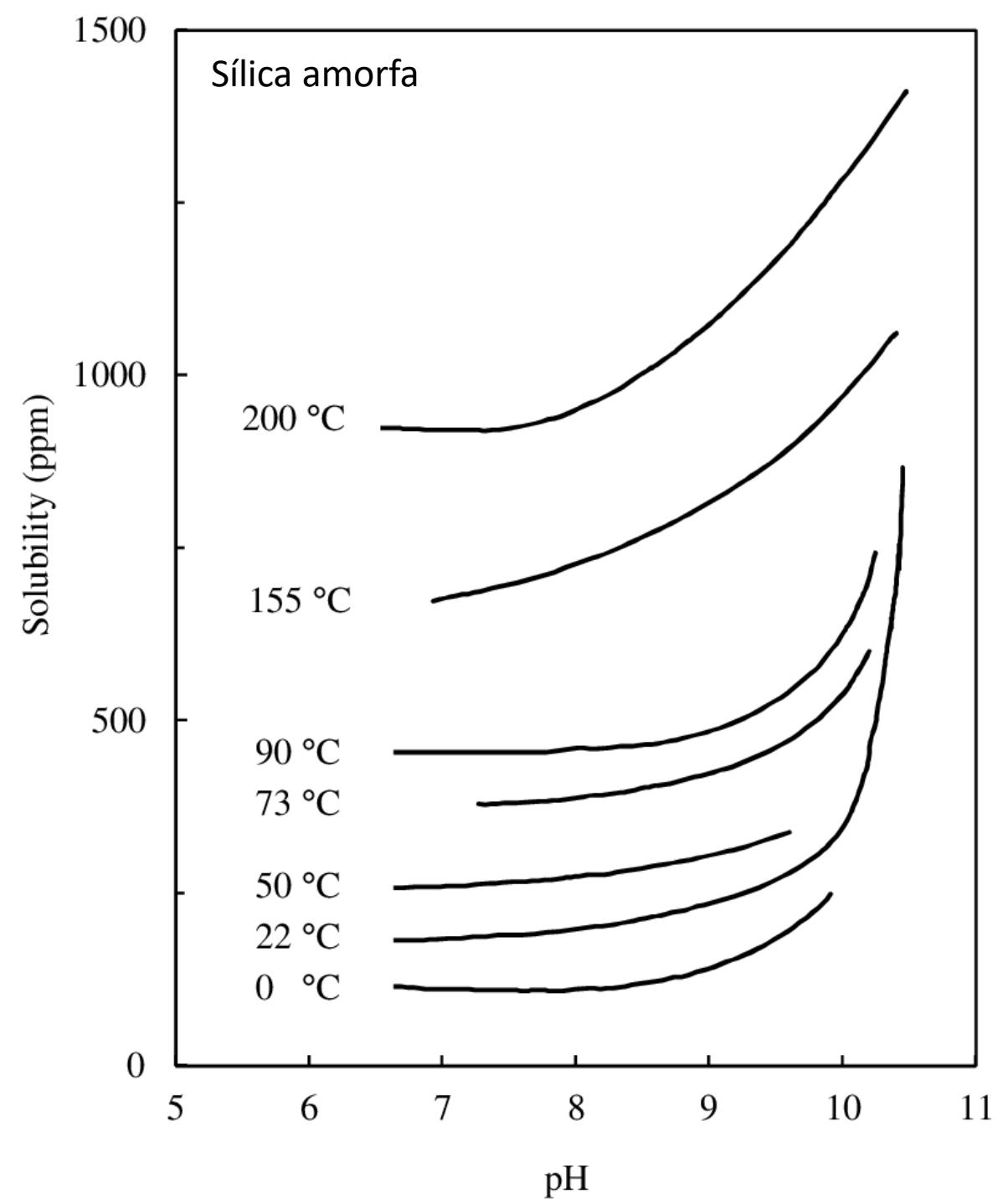
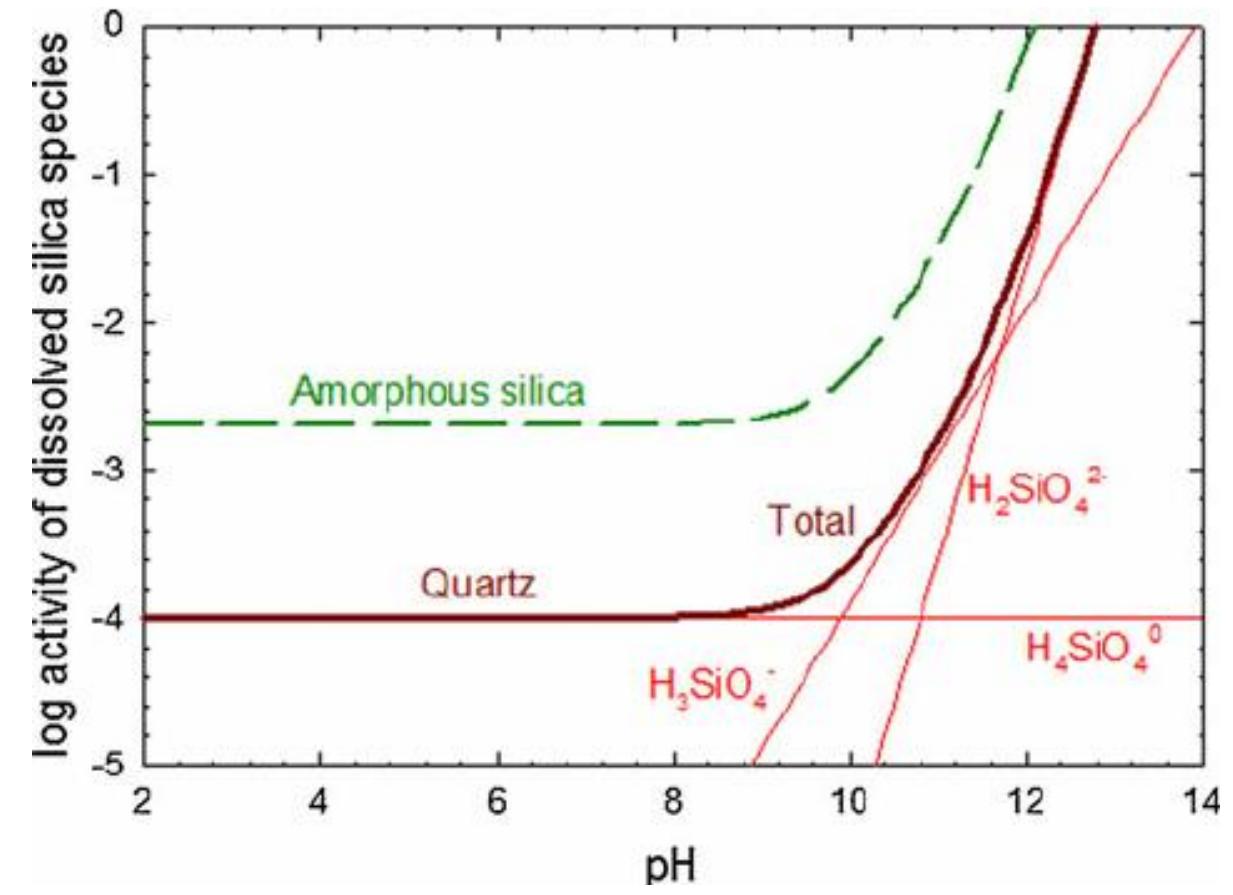


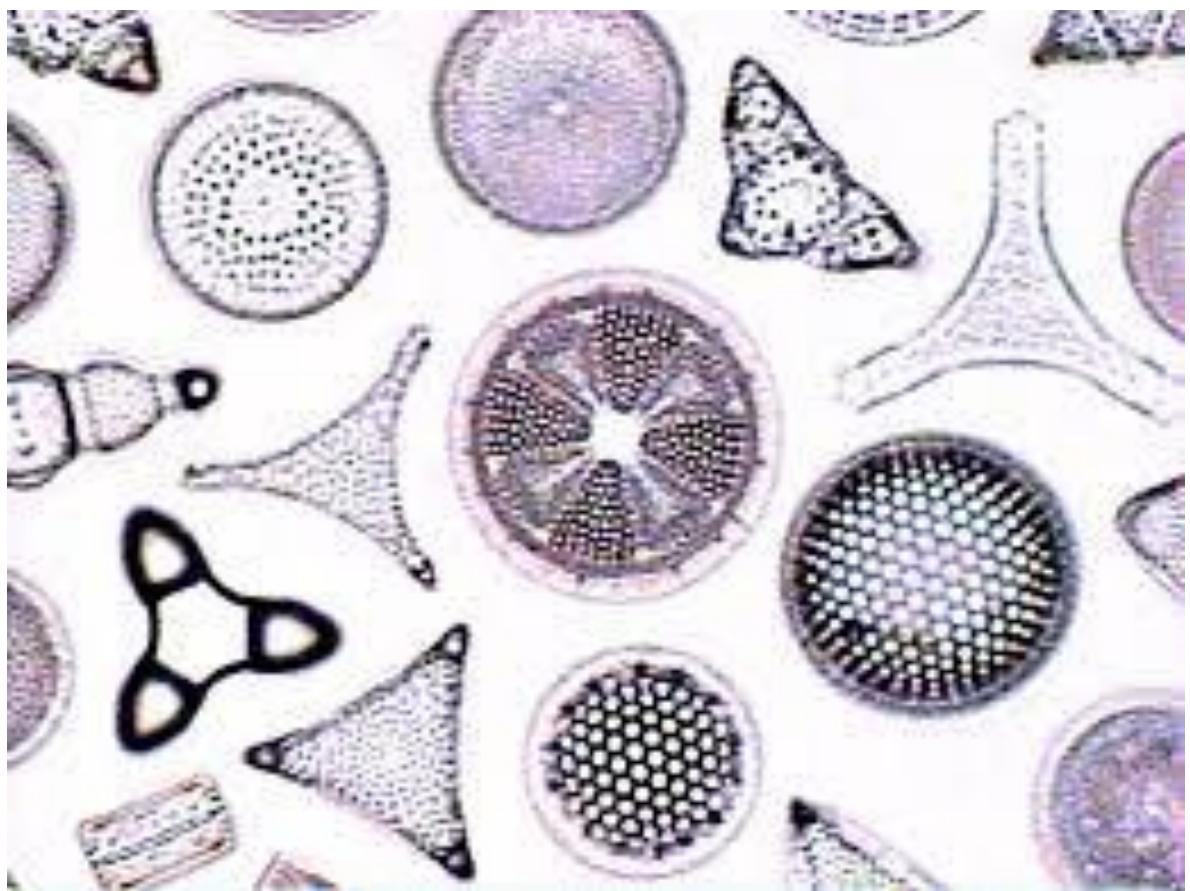
Illita $K_{0.65}Al_{2.0}[Al_{0.65}Si_{3.35}O_{10}](OH)_2$

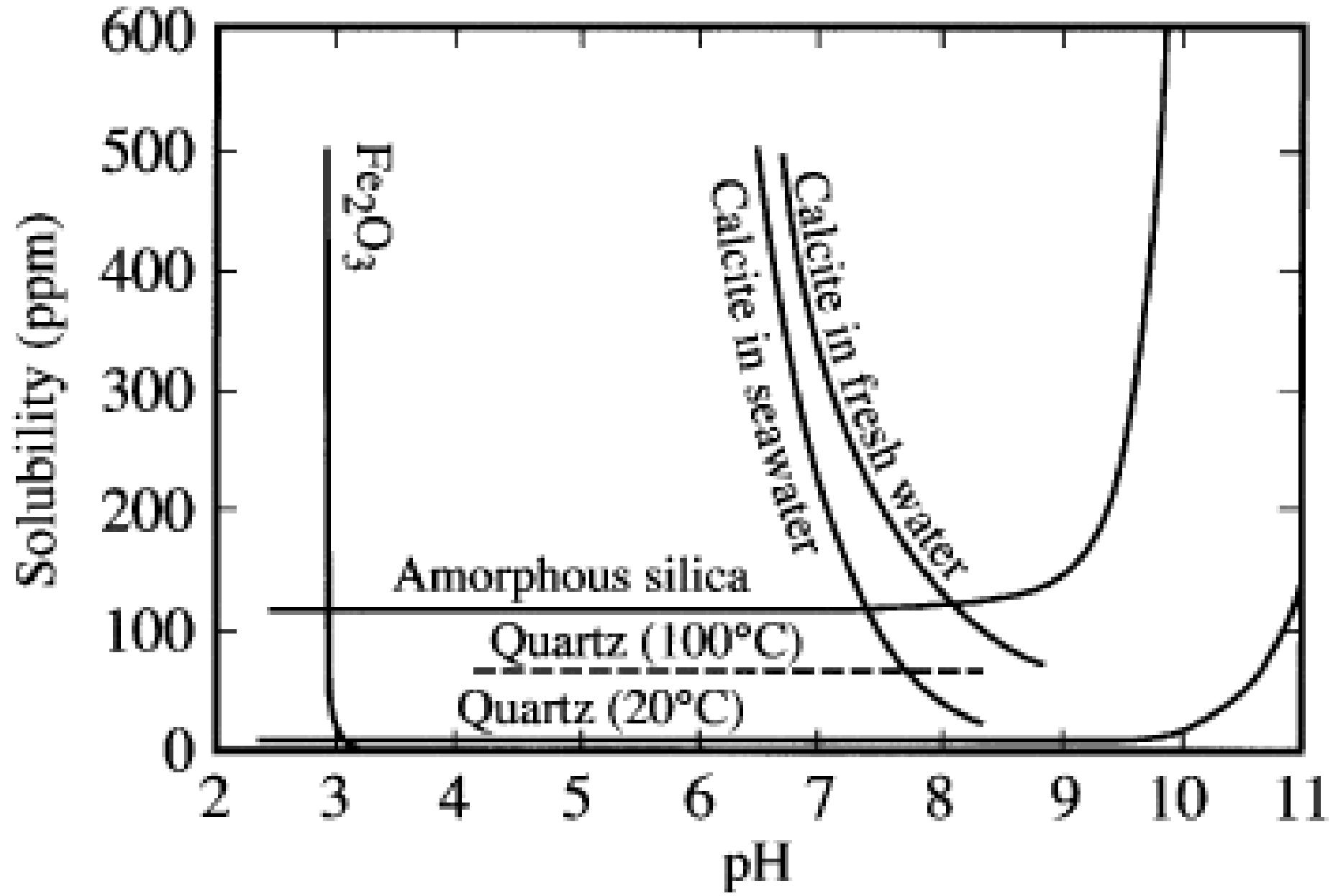


Clorita (Clinocloro-Chamosita) Quartz and overgrowths



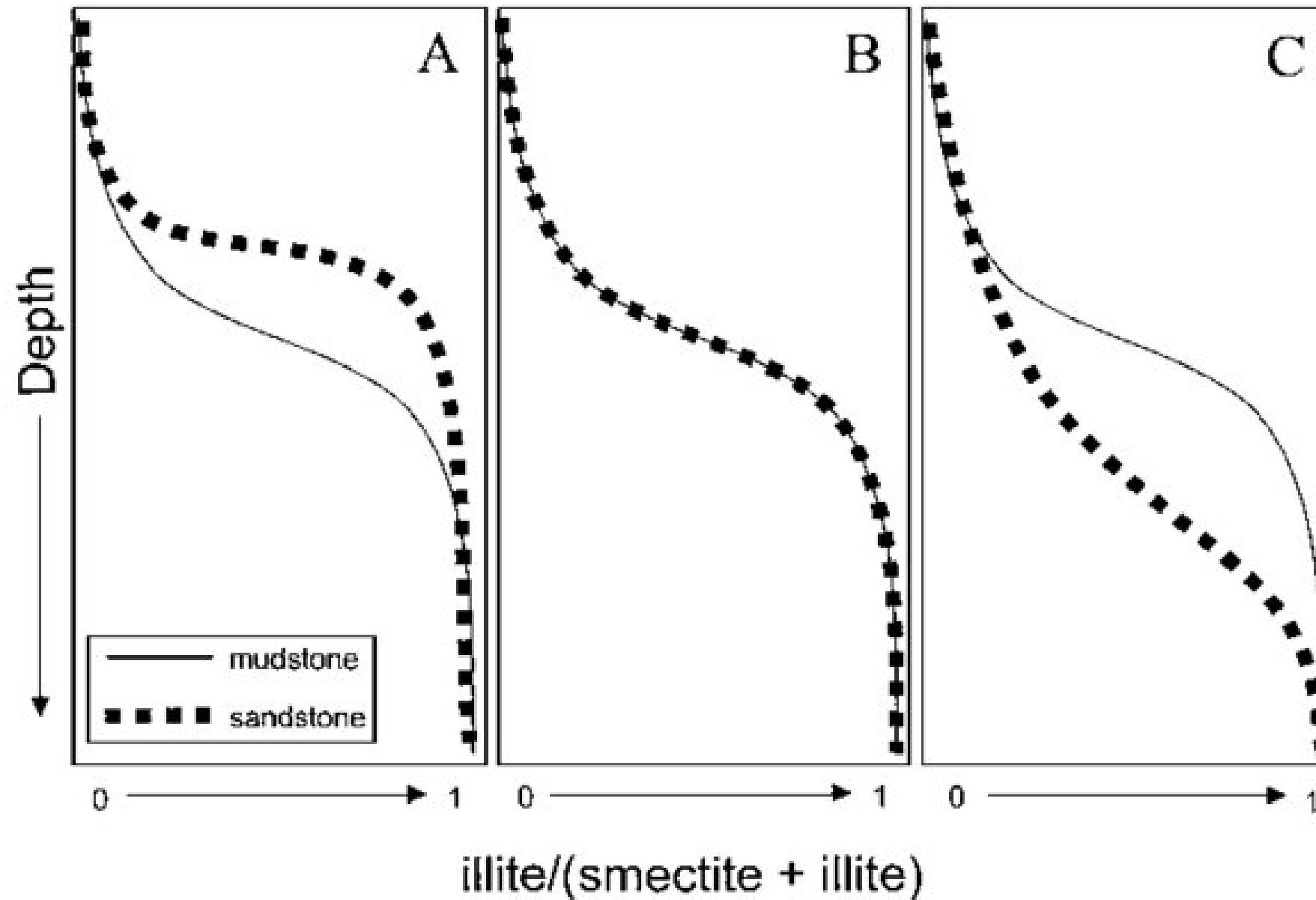






Higher \varnothing -k in sst than mdst
Focussed hydrothermal in sst
Higher K-content in (arkosic) sst than mdst

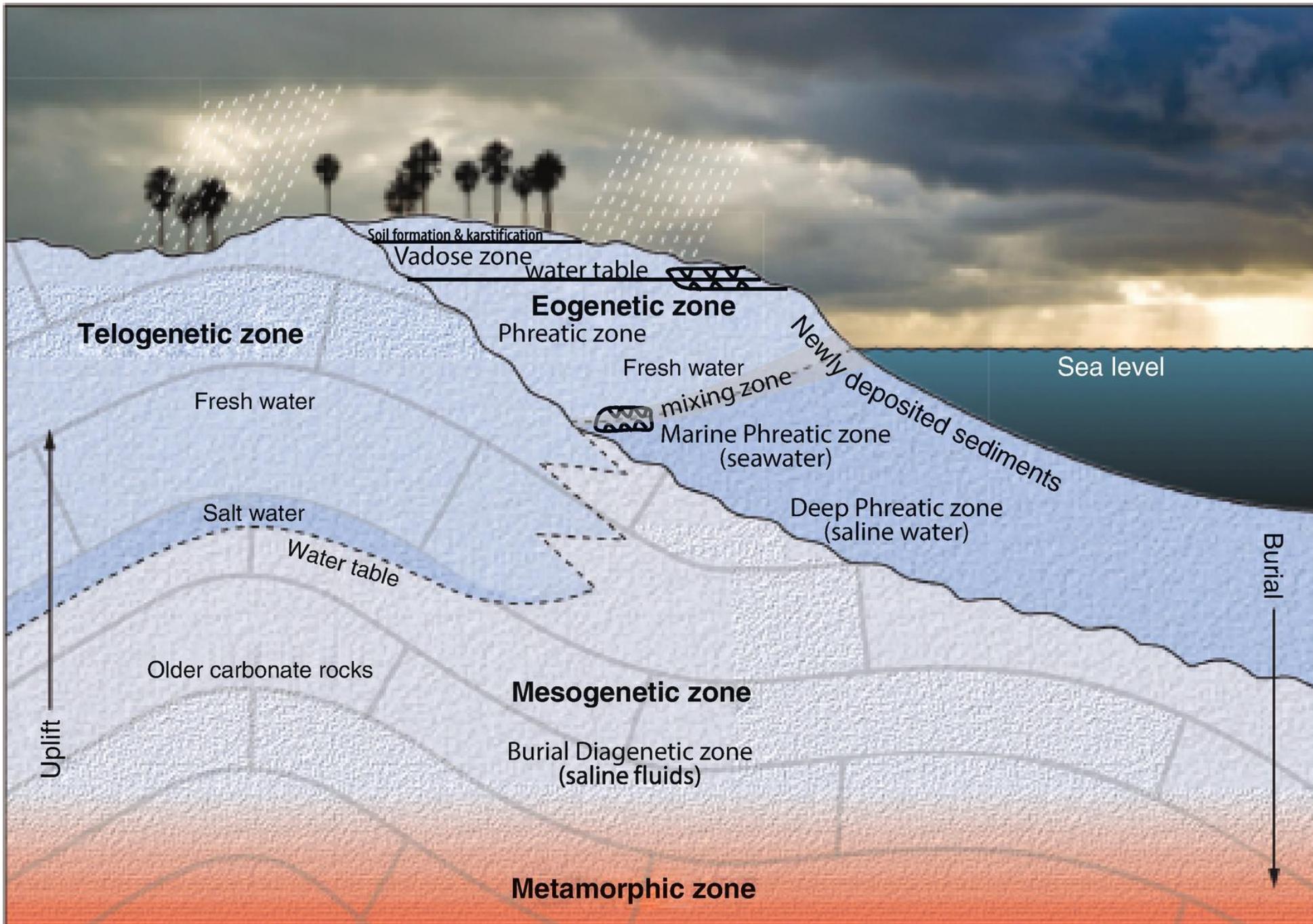
Authigenic smectite in sst more stable
than detrital smectite in mdst
Lower K-content in (qtz arenite) sst than mdst



Reservatórios fluvio-eólicos
da bacia do Recôncavo

Processes / products	Eodiagenesis	Mesodiagenesis
Heavy min. dissolution	—	
Hematite	—	
Anatase	—	
Clay infiltration	—	
Silica (silcretes)	—	
Calcite (calcretes)	—	
Dolomite (repl. Intraclasts)	—	—
Mechanical compaction	—	—
Chemical compaction	—	—
Transformation I/S and C/S	—	—
Quartz overgrowths	—	—
K-feldspar overgrowths	—	—
Poikilotopic calcite	—	—
Dissolution (calc. & feldsp.)		—
Kaolinite		—
Ordering of I/S and C/S		—
Dickite		—
Chlorite		—
Illite		—
Coarse anatase, titanite		—
Quartz outgrowths		—
Albitization		—
Coarse pyrite		—

Diagênese



Eodiagênese

