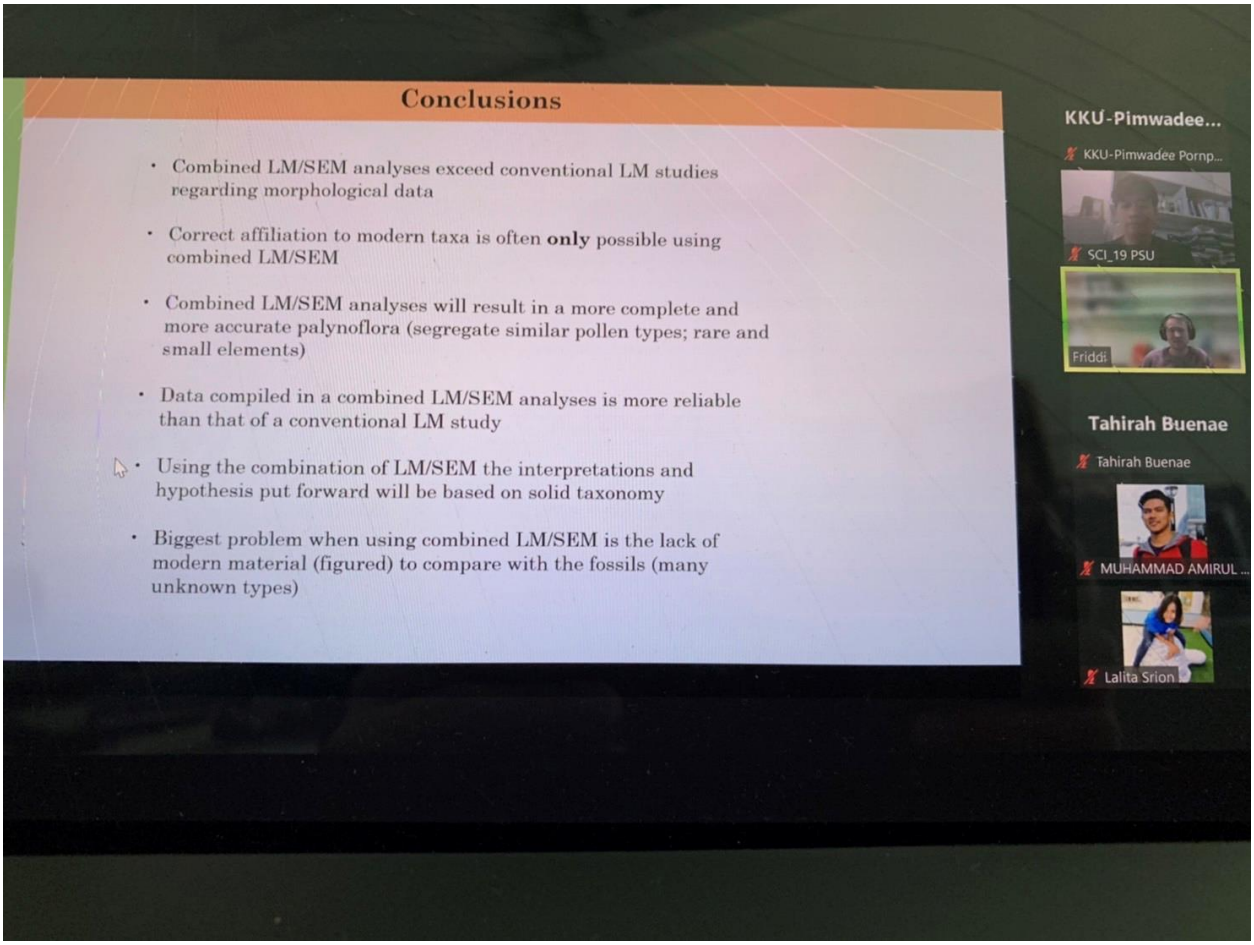
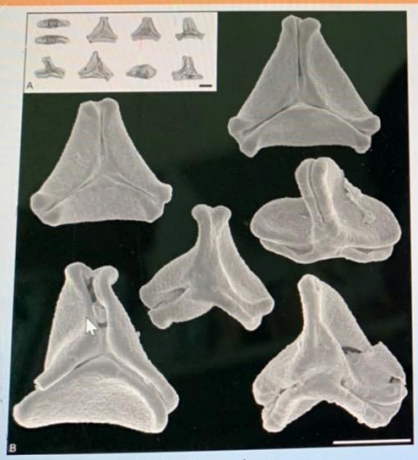
Conclusions

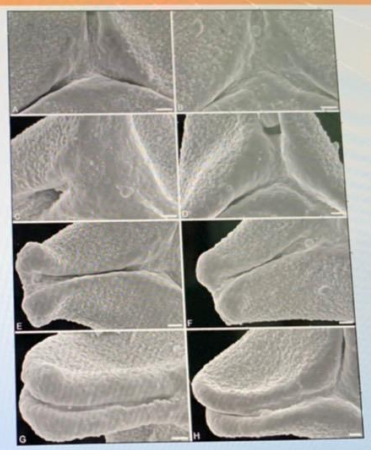
- Combined LM/SEM analyses exceed conventional LM studies regarding morphological data
- Correct affiliation to modern taxa is often **only** possible using combined LM/SEM
- Combined LM/SEM analyses will result in a more complete and more accurate palynoflora (segregate similar pollen types; rare and small elements)
- Data compiled in a combined LM/SEM analyses is more reliable than that of a conventional LM study
- Using the combination of LM/SEM the interpretations and hypothesis put forward will be based on solid taxonomy
- Biggest problem when using combined LM/SEM is the lack of modern material (figured) to compare with the fossils (many unknown types)



Palynology

High Taxonomic Resolution



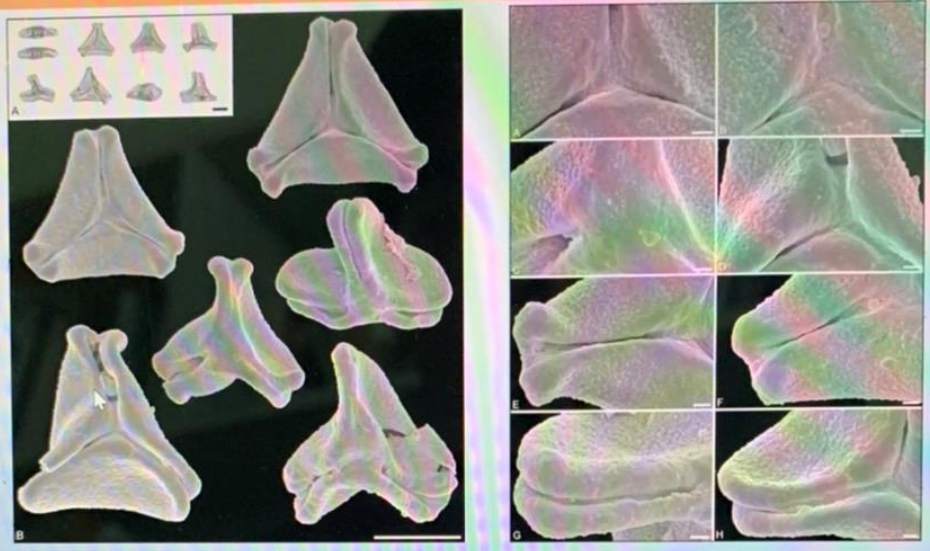


Loranthaceae – Tribe Lorantheae
Subtribes Dendropthinae (*Tolypanthus, Dendrophthoe*), Scurullinae (*Taxillus*) and Emelianthinae (*Phragmanthera*)

KKU-Pimwadee...
KKU-Pimwadee Pornp...
SCI_19 PSU
Friddi
Tahirah Buena
Tahirah Buenae
MUHAMMAD AM
Lalita Srion

High Taxonomic Resolution

Palynology



Loranthaceae – Tribe Lorantheae
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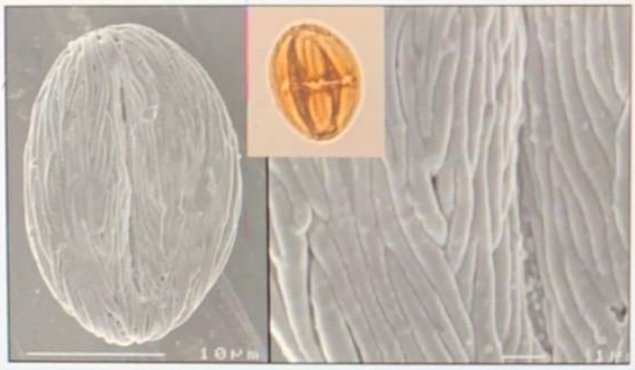
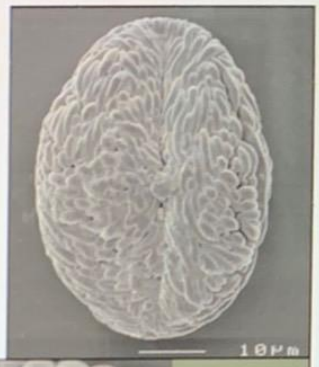
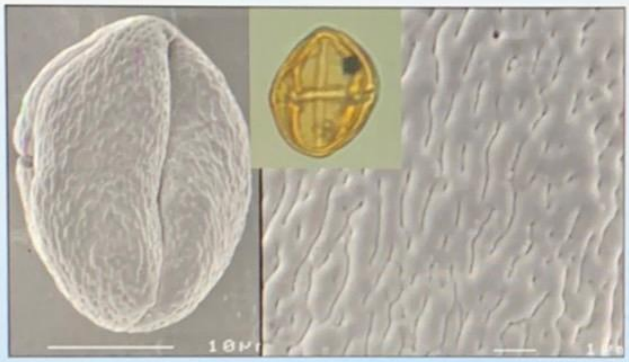
Palynology

Rare Elements

Anacardiaceae



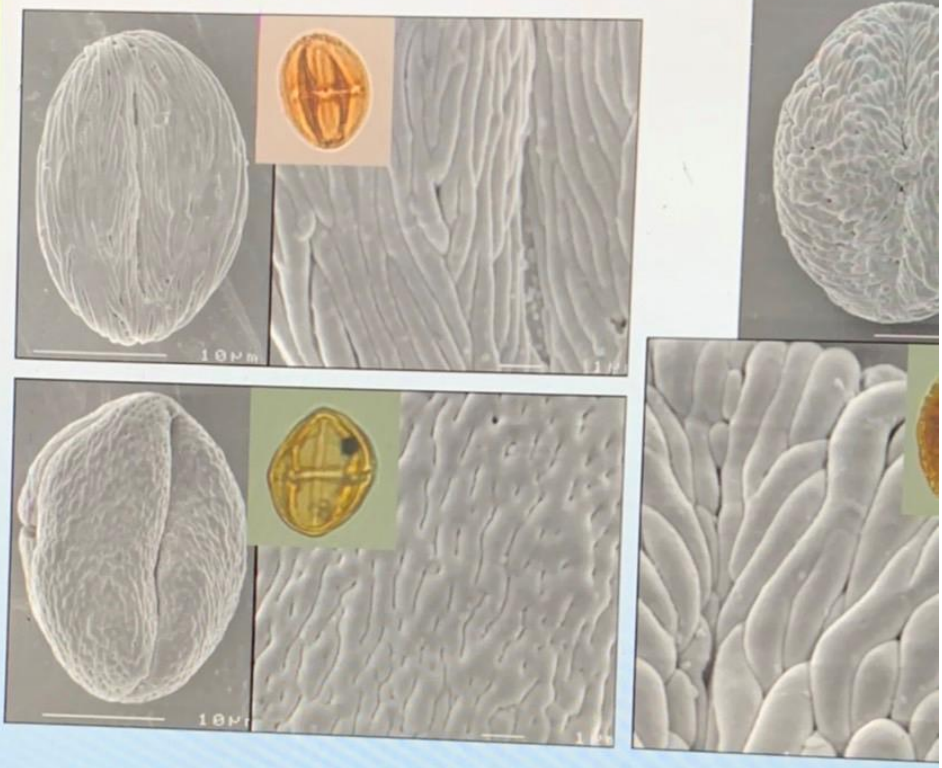




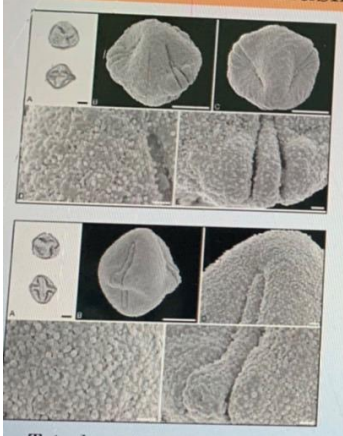
Palynology

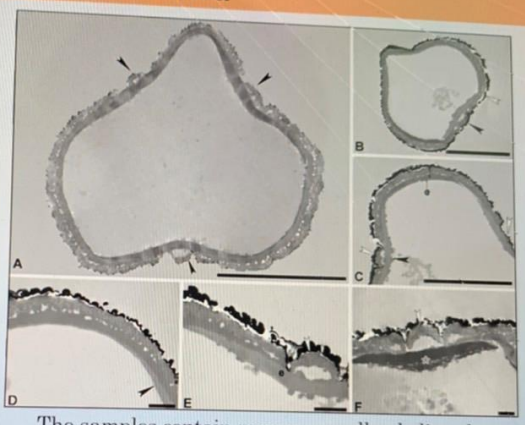
Rare Elements

Anacardiaceae



Mush Valley, Ethiopia, Africa





- Tricolporate
- Operculate
- Nanogemmte / clavate / echinate
- Ektexine thick structured tectate-columellate
- Endexie thin monolayered compact-continuous

The samples contain numerous pollen believed to be affiliated with *Hagenia abyssinica*