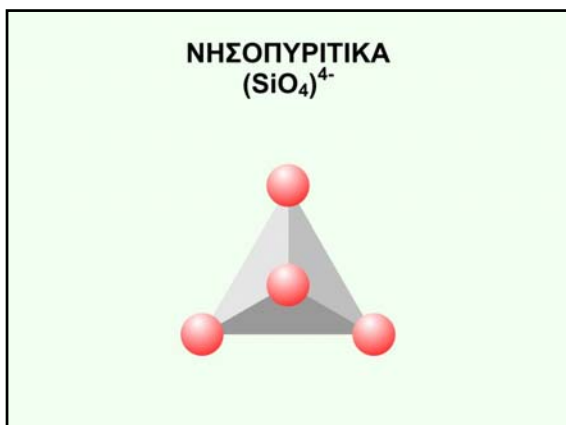


ΝΗΣΟΠΥΡΙΤΙΚΑ ΟΡΥΚΤΑ

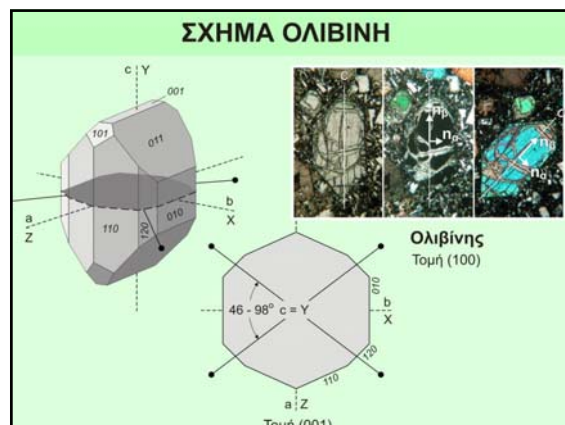
1

ΟΛΙΒΙΝΗΣ

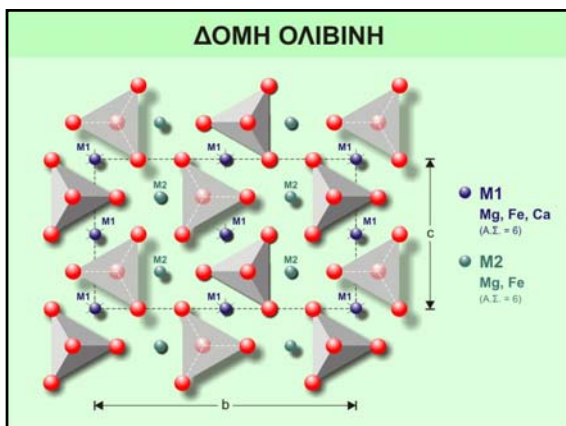
2



3



4



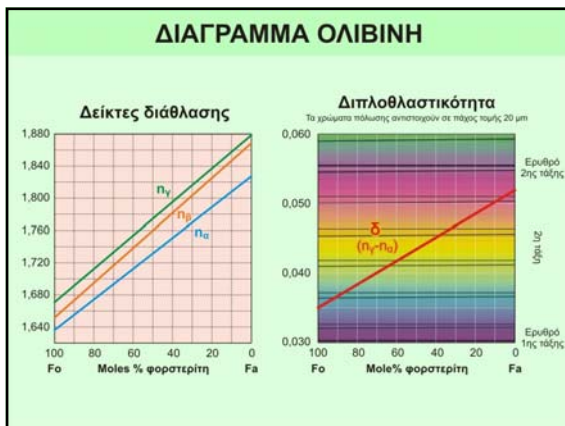
5

ΤΑΞΙΝΟΜΗΣΗ ΟΛΙΒΙΝΗΣ

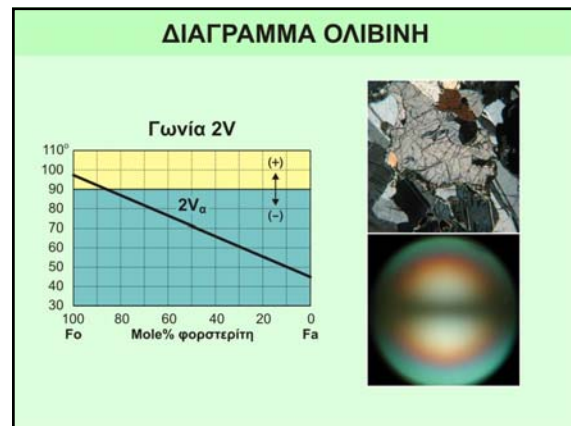
Ολιβίνης $(Mg,Fe)_2SiO_4$

Φορστερίτης (Fo)	Mg_2SiO_4	Τεφροΐτης (Tr)	Mn_2SiO_4
Φαυαλίτης (Fa)	Fe_2SiO_4		
Φορστερίτης	Fo ₁₀₀₋₉₀	Τεφροΐτης	Mn_2SiO_4
Χρυσόλιθος	Fo ₉₀₋₇₀	Κνεμπελίτης	$(Mn,Fe)_2SiO_4$
Υαλοσιδηρίτης	Fo ₇₀₋₅₀	Φαυαλίτης	Fe_2SiO_4
Χορτονόλιθος	Fo ₅₀₋₃₀		
Fe-χορτονόλιθος	Fo ₃₀₋₁₀		
Φαυαλίτης	Fo ₁₀₋₀	Μοντισεαλίτης	$CaMgSiO_4$

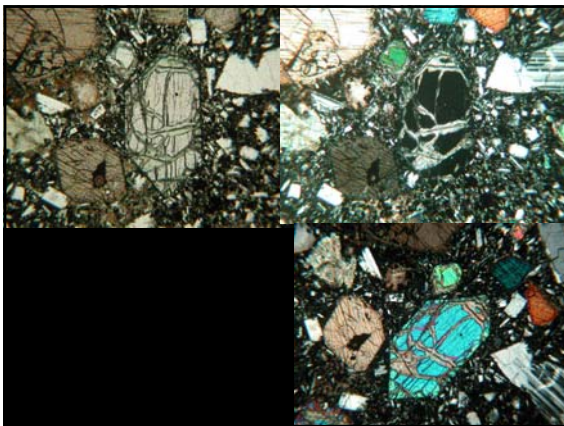
6



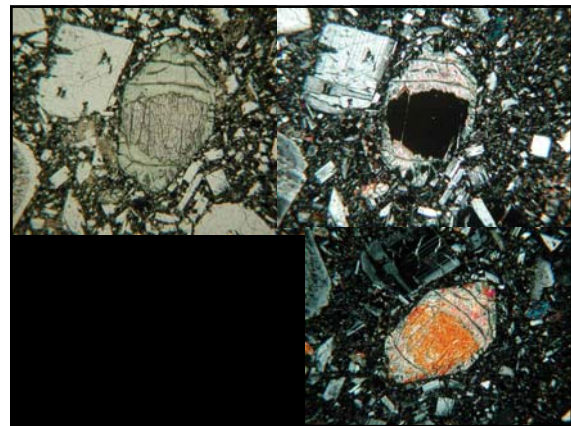
7



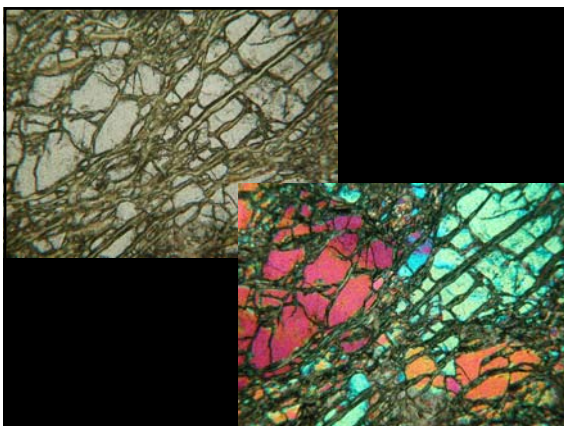
8



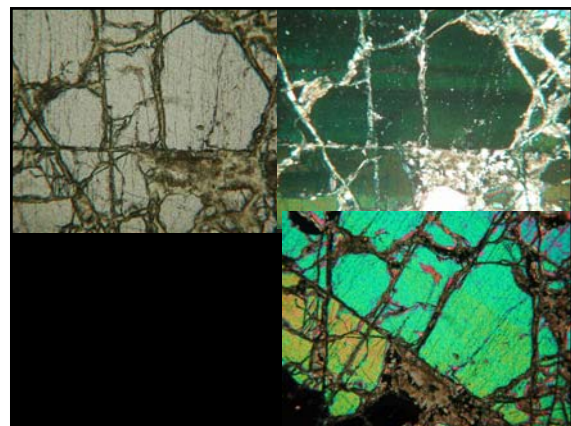
9



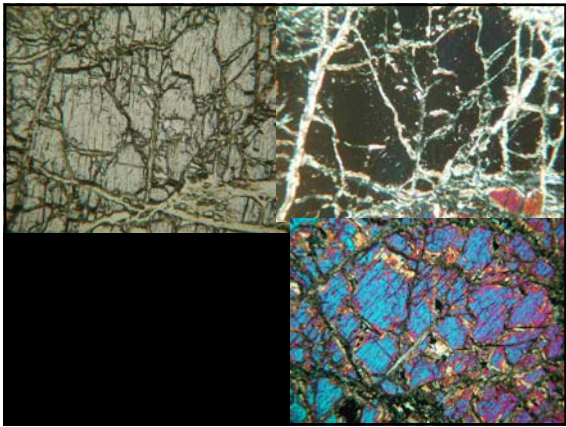
10



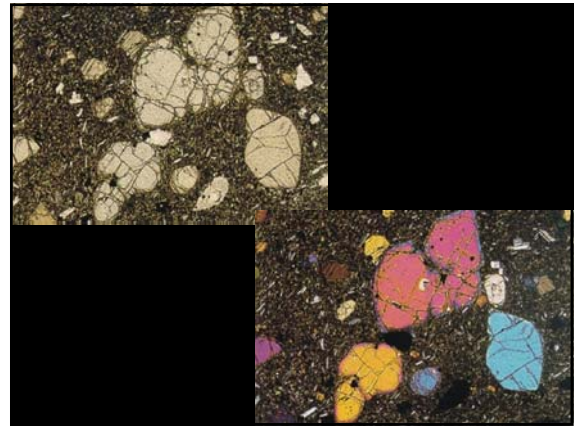
11



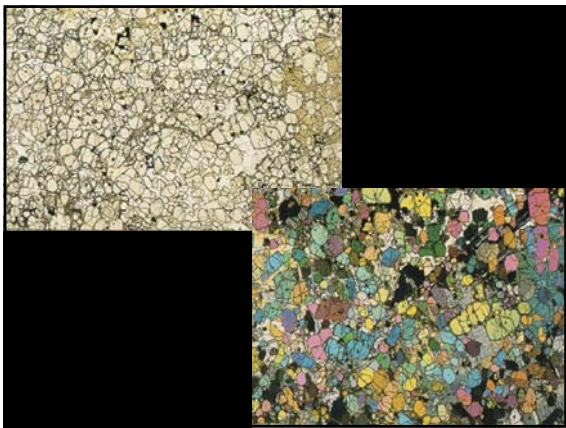
12



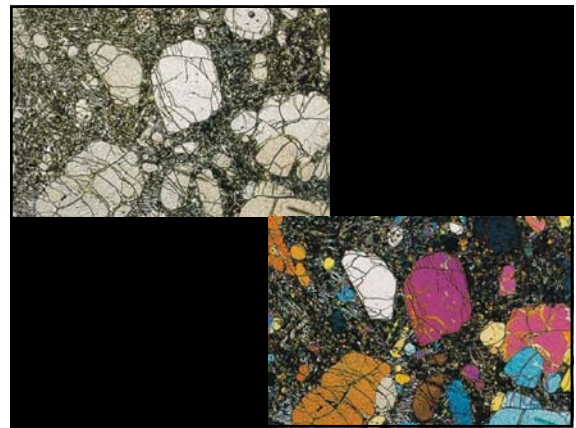
13



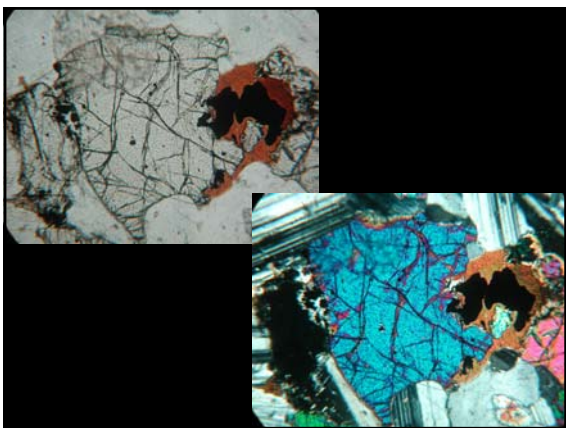
14



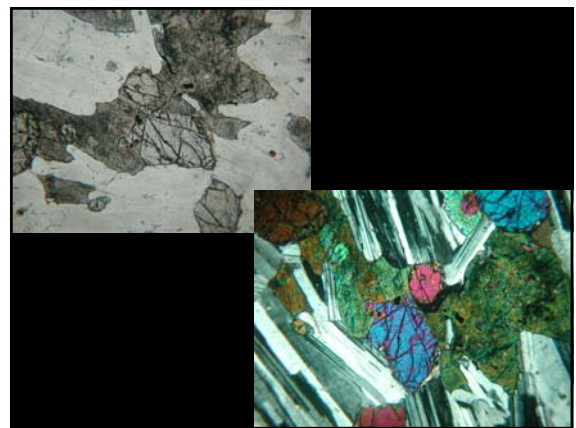
15



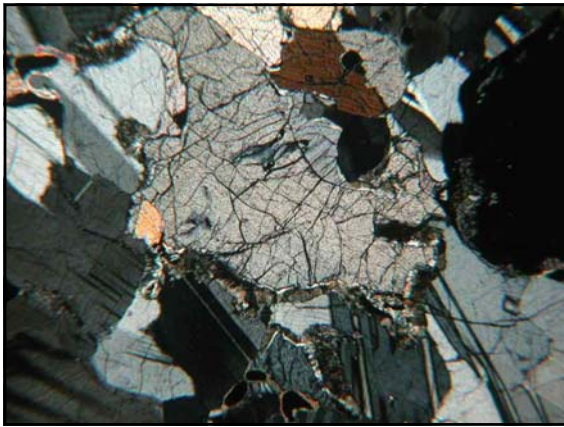
16



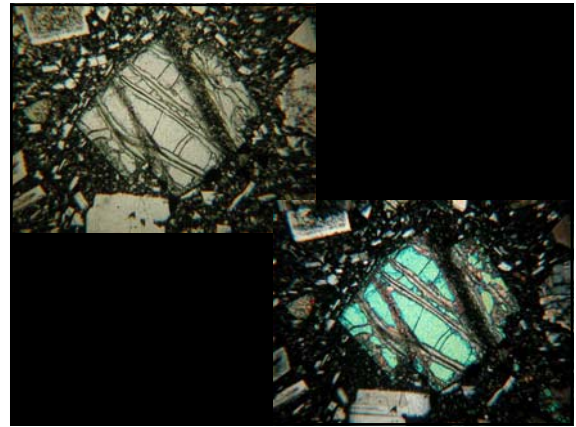
17



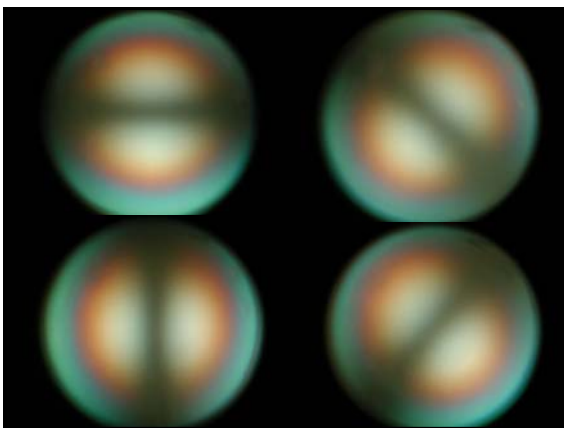
18



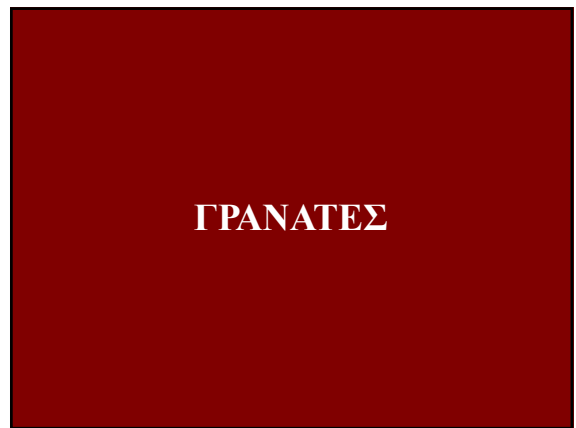
19



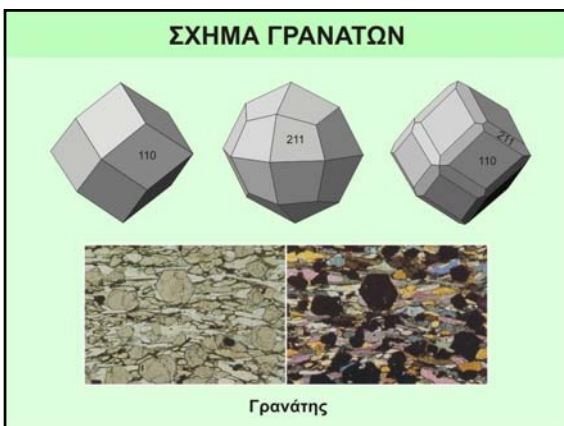
20



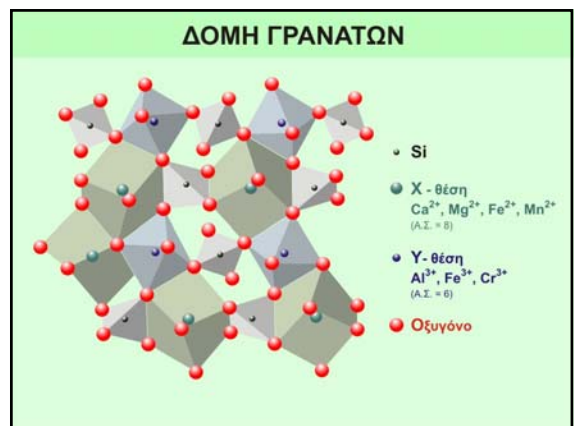
21



22



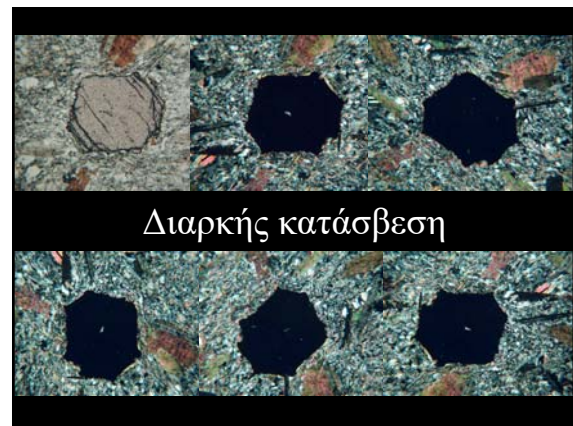
23



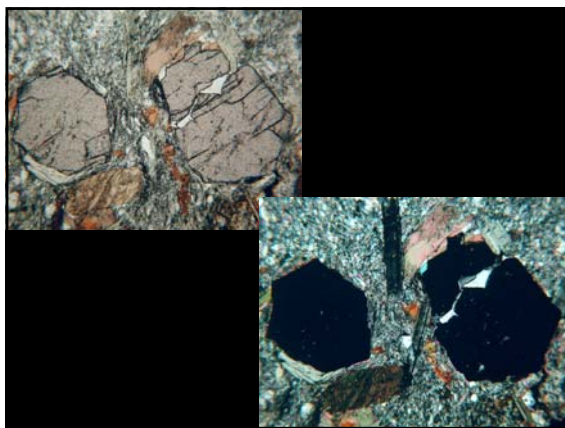
24

ΤΑΞΙΝΟΜΗΣΗ ΓΡΑΝΑΤΩΝ	
Γενικός τύπος	$X_3Y_2(SiO_4)_3$
ΠΥΡΑΛΣΠΙΤΕΣ	
Πυρωπό	$Mg_3Al_2(SiO_4)_3$
Αλμανδίνης	$Fe_3Al_2(SiO_4)_3$
Σπεσσαρτίνης	$Mn_3Al_2(SiO_4)_3$
ΟΥΓΡΑΝΔΙΤΕΣ	
Ουβαροβίτης	$Ca_3Cr_2(SiO_4)_3$
Γροσσουλάριος	$Ca_3Al_2(SiO_4)_3$
Ανδραδίτης	$Ca_3Fe_2(SiO_4)_3$

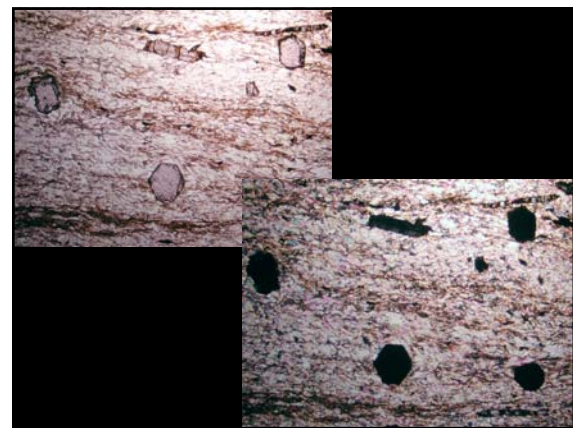
25



26



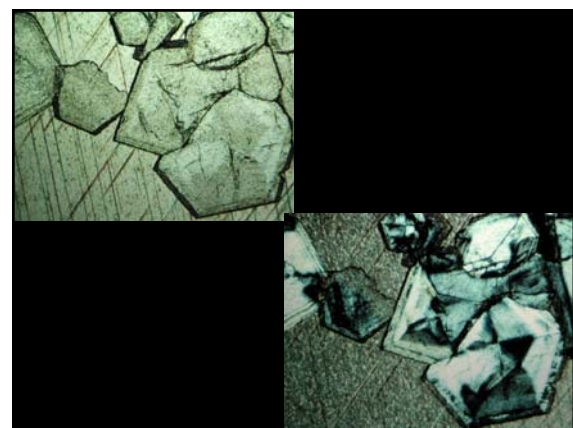
27



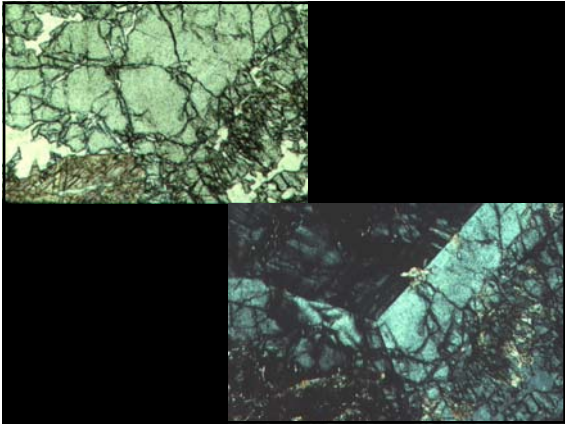
28



29



30



31