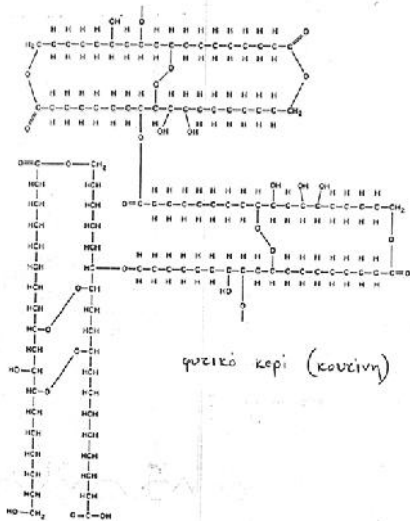
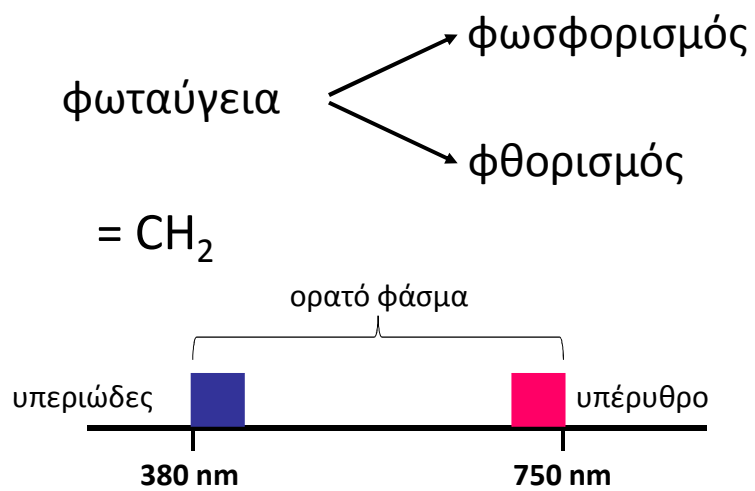


## Ομάδα Λειπτινίτη

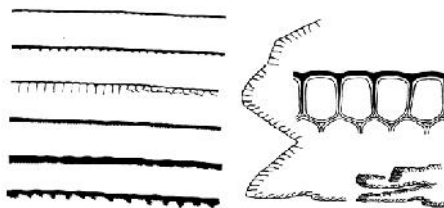


- maceral,
- μ
- μ ' ' μ
- ( ' C H)
- -

## Παρατήρηση maceral ομάδας Λειπτινίτη



## Επιδερμίδα φύλλου

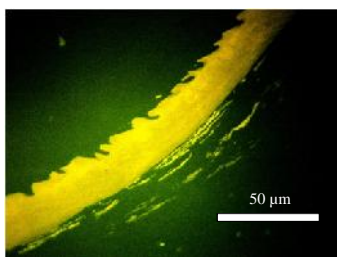
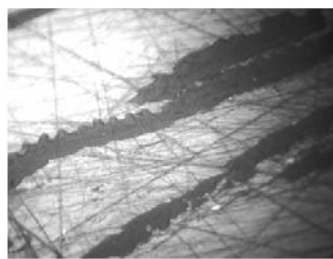


CUTICLES

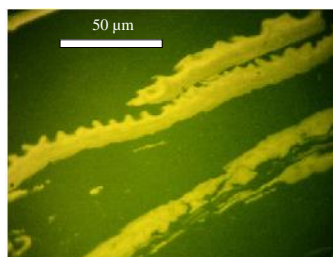
## Κουτινίτης



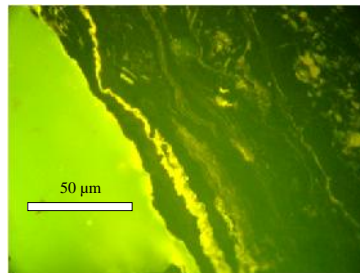
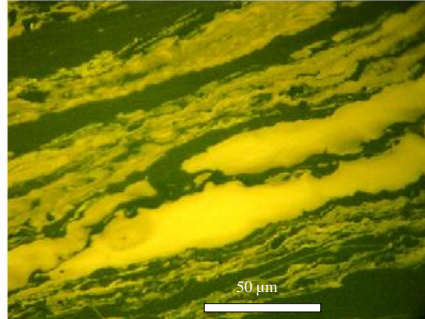
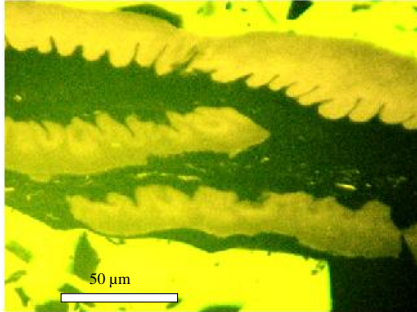
Λευκό φως



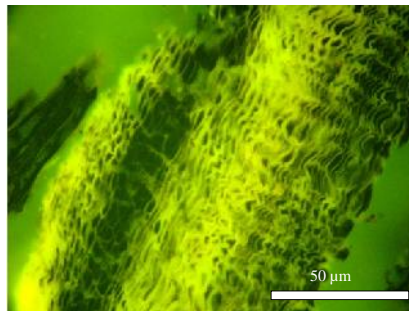
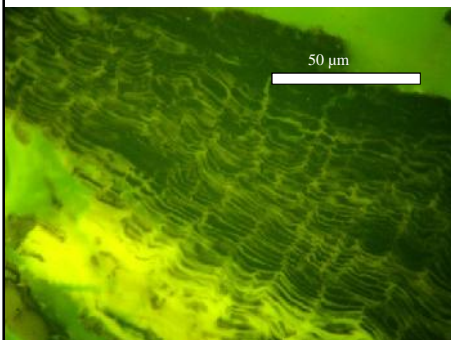
Κυανό φως  
(φθορισμός)



### Κουτινίτης



### Σουμπερινίτης



## Σπορινίτης

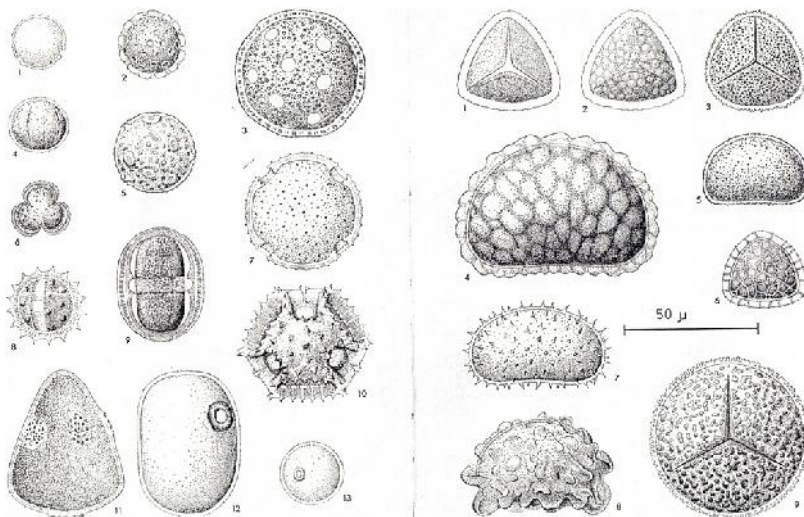
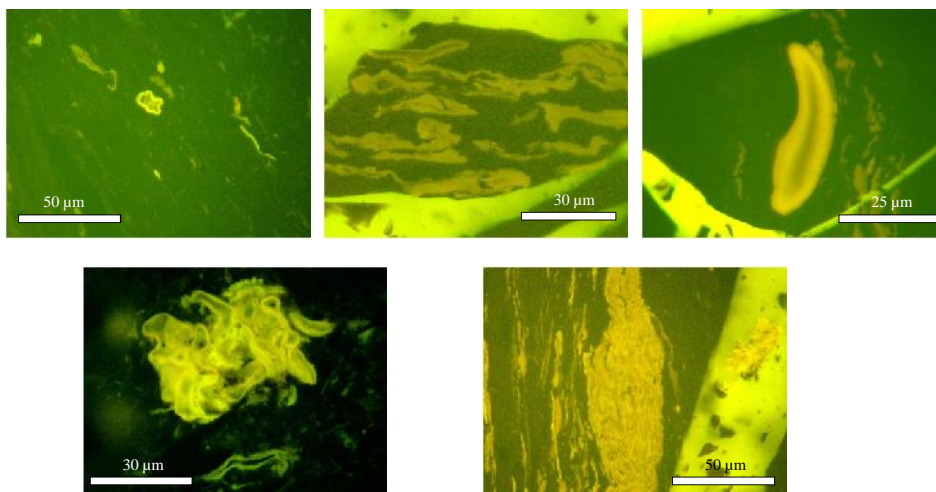
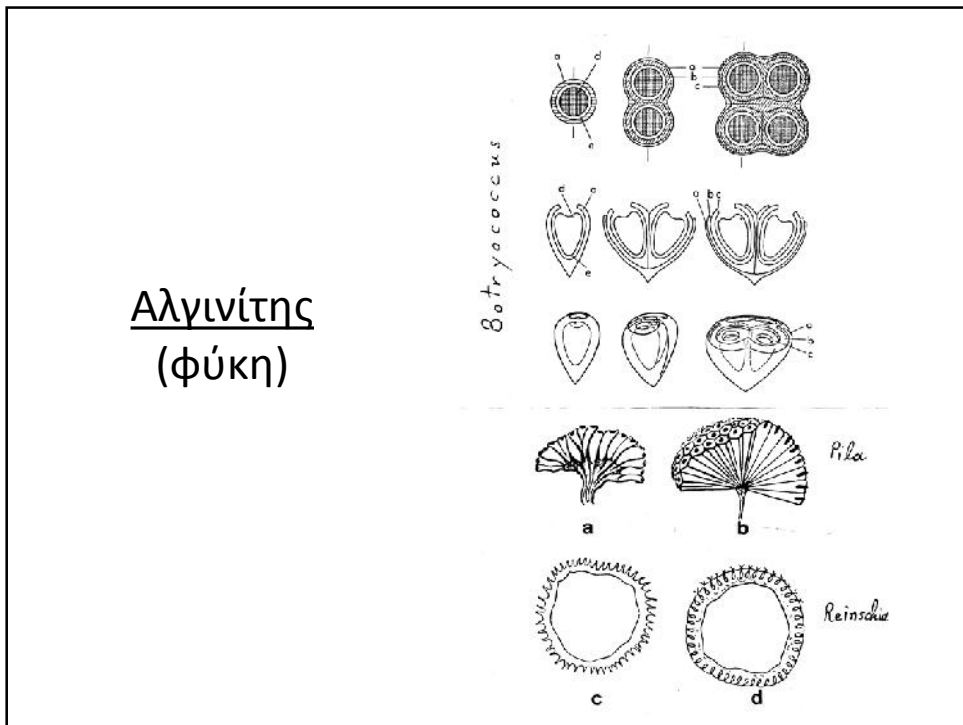
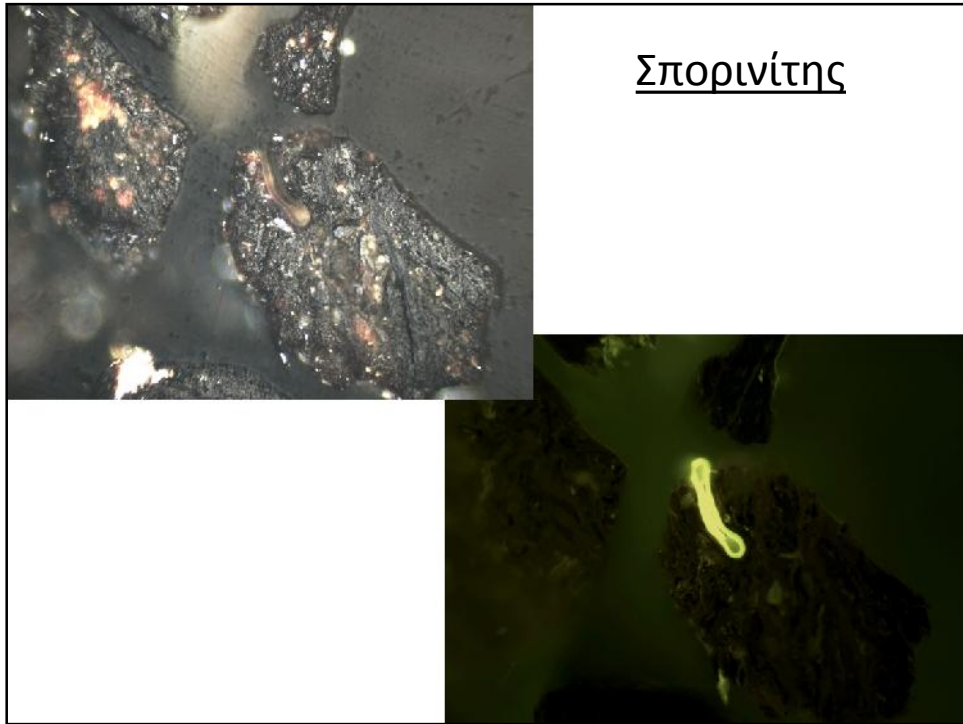


Abb. 70. Sporen: 1 = *Ustilago violacea*, 2 = *Sporobolus violaceus*, 3 = *Sporobolus violaceus*, 4 = *Ustilago violacea*, 5 = *Ustilago violacea*, 6 = *Ustilago violacea*, 7 = *Ustilago violacea*, 8 = *Ustilago violacea*, 9 = *Ustilago violacea*, 10 = *Ustilago violacea*, 11 = *Ustilago violacea*, 12 = *Ustilago violacea*, 13 = *Ustilago violacea*.

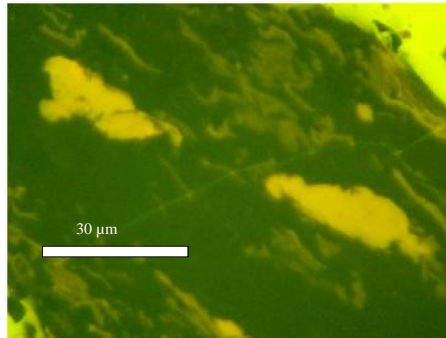
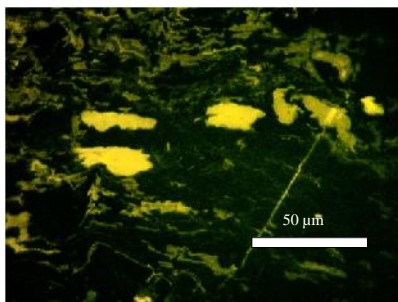
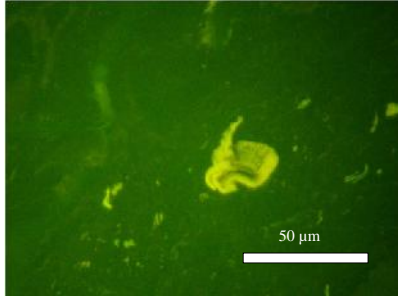
Abb. 71. Sporen: 1 und 2 = *Sporobolus violaceus*, 3 = *Ustilago violacea*, 4 = *Ustilago violacea*, 5 = *Ustilago violacea*, 6 = *Ustilago violacea*, 7 = *Ustilago violacea*, 8 = *Ustilago violacea*, 9 = *Ustilago violacea*.

## Σπορινίτης

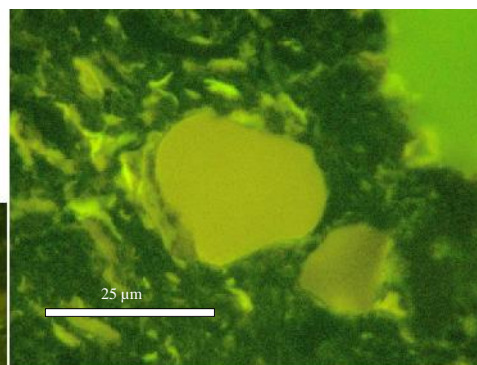
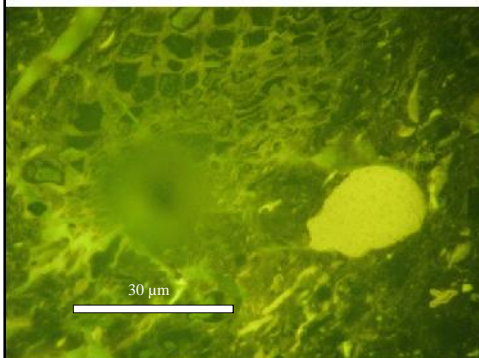


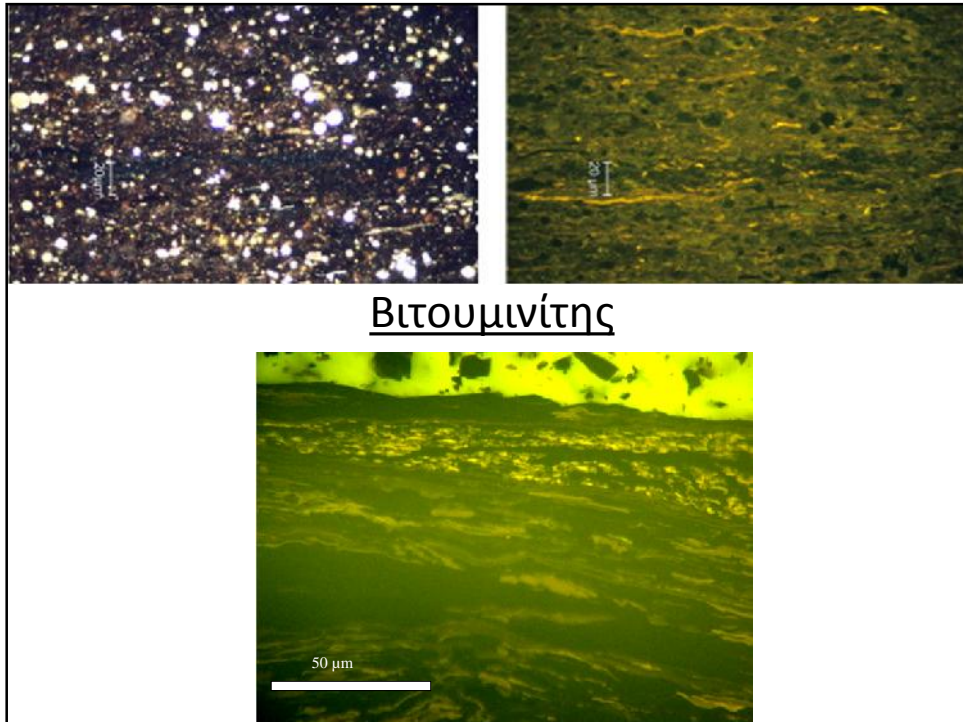


## Αλγινίτης

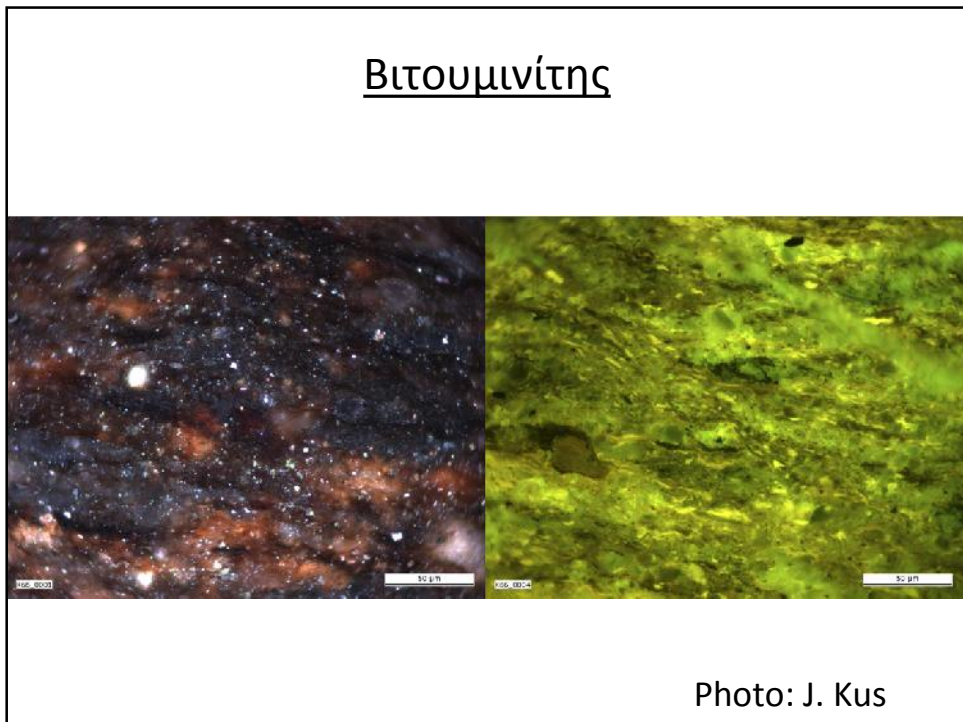


## Ρητινίτης



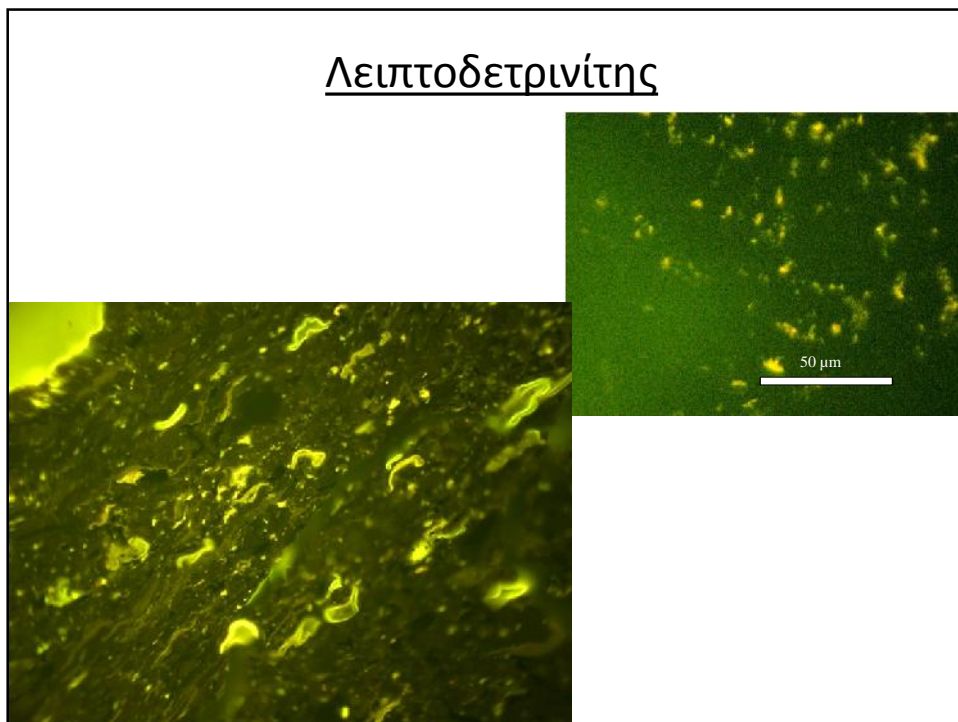
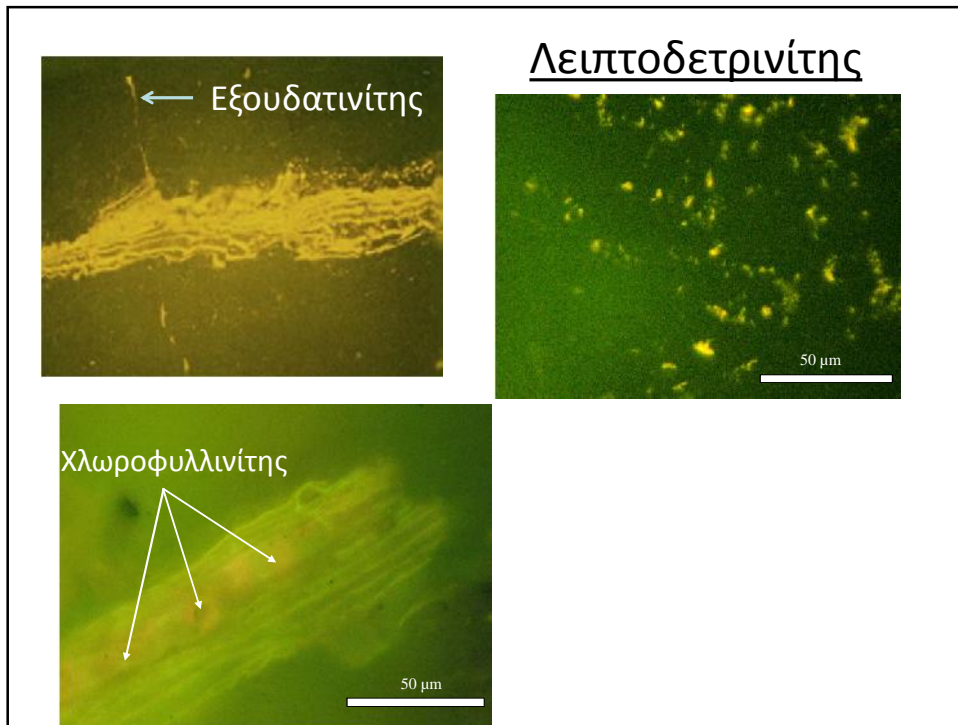


Βιτουμινίτης



Βιτουμινίτης

Photo: J. Kus





## Ανακεφαλαίωση

Ομάδα MACERAL	Υπο-ομάδα MACERAL	MACERAL
<b>Χουμνίτης</b>		
<b>Λειπτινίτης</b>		Κουτινίτης Σουμπερινίτης* Σπορινίτης Αλγινίτης Ρητινίτης Χλωροφυλλινίτης* Εξουδατινίτης** Βιτουμνίτης Λειπτοδετρινίτης
<b>Ινερτινίτης</b>		

\* Μόνο σε λιγνίτη

\*\* Μόνο σε λιθάνθρακα