

## ΣΥΝΤΟΜΟ ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ

**Όνοματεπώνυμο:** ΑΠΟΣΤΟΛΑΚΟΣ ΠΑΝΑΓΙΩΤΗΣ

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### Συνοπτικά Βιογραφικά στοιχεία

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**Τίτλος διδακτορικής διατριβής:** Υπομικροσκοπική μελέτη της οντογένεσεως των αερίων γαμετοφυτικών πόρων και θαλάμων των ηπατικών βρυοφύτων *Marchantia paleacea* και *Lunularia cruciata*. Επιβλέπων: Καθηγητής Κ. Μητράκος.

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### Ερευνητικά ενδιαφέροντα

Διερεύνηση του ρόλου του κυτταροσκελετού στην: κυτταρική διαφοροποίηση, κυτταρική μορφογένεση, ανάπτυξη ιστολογικών προτύπων, μεταγωγή διακυτταρικών ερεθισμάτων και απόκριση των κυττάρων σε περιβαλλοντικές καταπονήσεις.

Η τρέχουσα ερευνητική δραστηριότητα εστιάζεται κυρίως στη διερεύνηση: (α) των μηχανισμών με τους οποίους το κύτταρο οργανώνει τα διάφορα κυτταροσκελετικά συστήματα, (β) του μηχανισμού μέσω του οποίου επιτυγχάνεται η 'μεταφορά του προτύπου οργάνωσης' των στοιχείων του κυτταροσκελετού από κύτταρο σε κύτταρο στους αναπτυσσόμενους ιστούς και (γ) του ρόλου του κυτταροσκελετού στην απόκριση των κυττάρων σε περιβαλλοντικές καταπονήσεις.

Επιπλέον μελετώνται: (α) ο ρόλος του ασβεστίου στην οργάνωση του κυτταροσκελετού κατά τη διάρκεια της κυτταροδιαίρεσης, με στόχο την αναζήτηση πιθανών εξελικτικών τάσεων στην οργάνωση της μιτωτικής και κυτοκινητικής συσκευής των ανωτέρων φυτών και (β) ο ρόλος ενζύμων που εντοπίζονται στο πλασμαλήμμα, όπως είναι οι φωσφολιπάσες, στη μεταγωγή περιβαλλοντικών και διακυτταρικών ερεθισμάτων στο εσωτερικό του κυττάρου.

## ΚΑΤΑΛΟΓΟΣ ΕΠΙΣΤΗΜΟΝΙΚΩΝ ΔΗΜΟΣΙΕΥΣΕΩΝ

1. GALATIS B., P. APOSTOLAKOS, and C. HATZOPOULOU. 1974. Endoplasmic reticulum-plastid associations in leaf cells of *Vigna sinensis*. *Biologia Gallo-Hellenica* 5, 259-268.
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#### **ΣΥΓΓΡΑΦΙΚΟ ΕΡΓΟ**

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3. Εισαγωγή στη Βοτανική. Αθήνα 1995. Γαλάτης Β., Π. Αποστολάκος και Χ. Κατσαρός. Εκδόσεις Σταμούλη, Αθήνα.