

# Curriculum Vitae

## George Grammatikopoulos

### **1. Personal Data**

**Surname** Grammatikopoulos  
**Given Name** George  
**Work Address** Laboratory of Plant Physiology, Department of Biology,  
University of Patras, Rio, Patras, Greece, 26500  
**Work status** Assistant Professor  
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### **2. Studies**

**1988** Degree in Biology  
Department of Biology, University of Patras  
**1995** PhD in Biology  
Department of Biology, University of Patras  
**Thesis:** *'Direct absorption of water by hairy leaves of Phlomis fruticosa and its contribution to drought avoidance'*.

### **3. Foreign Languages**

English

### **4. Work Experience**

**2005 - Today** Assistant Professor of Plant Physiology – Lab. Of Plant Physiology, Dept. of Biology, University of Patras  
**1999-2005** Lecturer of Plant Physiology – Lab. Of Plant Physiology, Dept. of Biology, University of Patras  
**1996-1998** Research (postdoc) projects of the Laboratory of Plant Physiology , University of Patras  
**1990 -1991** Research project of the Laboratory of Plant Physiology , University of Stirling, Scotland

### **5. Teaching Experience**

#### ***Undergraduate courses***

A). Since 2005 I have been teaching (lectures and practical exercises) the lesson of ***Plant Physiology***, at the Department of Biology, University of Patras

**B).** Since 2000 I have been teaching (lectures and practical exercises) the lesson of *Plant Ecophysiology*, at the Department of Biology, University of Patras

### ***Postgraduate courses***

**A).** 1999 – 2001. I have taught the lesson of *Contemporary methods in Plant Physiology and Ecophysiology* for the Postgraduate Program ‘Ecological Management and Environmental Technology’ at the Department of Biology, University of Patras

**B).** 2002 – Today. I have been teaching the lessons of *Environmental Biology of Mediterranean Plants* and ‘*Effects of Global Environmental Changes on Plants*’ for the Postgraduate Program ‘Ecology - Management and Protection of Natural Environment at the Department of Biology, University of Patras

### **6. Committees for B.Sc. Theses**

Supervisor of 10 theses and member of examining committee of 16 theses

### **7. Committees for M.Sc. Theses**

Supervisor of 1 thesis and member of examining committee of 3 theses

### **8. Committees for PhD Theses**

Member of supervising committee of 3 theses and member of examining committee of 5 theses.

### **9. Scientific Projects**

Coordinator of 1 scientific program and member of the research team in 4 programs

### **10. Conferences**

Participation in 8 international and 6 national conferences (oral/poster presentations)

### **11. Scientific societies**

Member of the societies 1) FESPB (Federation of European Societies of Plant Biology) 2) Hellenic Society of Biological Sciences, 3) Hellenic Society of Botany

### **12. Research Papers**

#### **Research papers in international scientific journals**

1. G.Grammatikopoulos and Y.Manetas. **1990**. Diurnal changes in phosphoenolpyruvate carboxylase and pyruvate, orthophosphate dikinase properties in the natural environment: interplay of light and temperature in a C4 thermophile. **Physiologia Plantarum**, 80: 593-597.
2. G.Grammatikopoulos, G.Karabourniotis, A.Kyparissis, Y.Petropoulou and Y.Manetas. **1994**. Leaf hairs of Olive (*Olea europaea*) prevent stomatal closure by ultraviolet-B radiation. **Australian Journal of Plant Physiology** 21: 293-301.
3. G.Grammatikopoulos and Y.Manetas. **1994**. Direct absorption of water by hairy leaves of *Phlomis fruticosa* and its contribution to drought avoidance. **Canadian Journal of Botany**. 72: 1805-1811.
4. C.M.Willmer, G.Grammatikopoulos, G.Lasceve and A.Vavasseur. **1995**. Characterization of the vacuolar-type H<sup>+</sup>-ATPase from guard cell protoplasts of *Commelina*. **Journal of Experimental Botany**. 46: 383-389.

5. G.Grammatikopoulos, A.Kyparissis and Y.Manetas. **1995**. Seasonal and diurnal gas exchange characteristics and water relations of the drought semi-deciduous shrub *Phlomis fruticosa* L. under Mediterranean field conditions. **Flora**. 190: 71-78.
6. A.Kyparissis, G.Grammatikopoulos, Y.Manetas. **1997**. Leaf demography and photosynthesis as affected by the environment in the drought semi-deciduous Mediterranean shrub *Phlomis fruticosa* L.” **Acta oecologica** 18: 543-555.
7. G.Grammatikopoulos, R.Karousou, S.Kokkini and Y.Manetas. **1998**. Differential effects of enhanced UV-B radiation on reproductive effort in two chemotypes of *Mentha spicata* L. under field conditions. **Australian Journal of Plant Physiology**. 25: 345-351.
8. G.Grammatikopoulos, A.Kyparissis, P.Driliias, Y.Petropoulou and Y.Manetas. **1998**. Effects of UV-B radiation on cuticle thickness and nutritional quality of leaves in two Mediterranean evergreen sclerophylls. **Journal of Plant Physiology**. 153: 506-512.
9. Y.Manetas, G.Grammatikopoulos and A.Kyparissis. **1998**. The use of the portable, non-destructive, SPAD-502 (Minolta) chlorophyll meter with leaves of varying trichome density and anthocyanin content. **Journal of Plant Physiology**. 153: 513-516.
10. R.Karousou, G.Grammatikopoulos, T.Lanaras, Y.Manetas and S.Kokkini. **1998**. Effects of enhanced UV-B radiation on essential oil production in two chemotypes of *Mentha spicata* under Mediterranean field conditions. **Phytochemistry**. 49: 2273-2277.
11. G.Grammatikopoulos, Y.Petropoulou and Y.Manetas. **1999**. Site depended differences in transmittance and UV-B absorbing capacity of isolated leaf epidermises and mesophyll in *Urginea maritima* (L.) Baker. **Journal of Experimental Botany**. 333: 517 – 521.
12. G.Grammatikopoulos. (1999). Mechanisms for turgor maintenance and drought tolerance in two Mediterranean seasonal dimorphic shrubs. **Australian Journal of Plant Physiology**. 26: 587-593.
13. G.Grammatikopoulos, P.Driliias, A.Kyparissis, Y.Petropoulou, and Y.Manetas. (2001). Reduction of ambient UV-B radiation does not affect growth but may change the flowering pattern of *Rosmarinus officinalis* L.. **Plant Ecology**. 154: 119-122.
14. A.Kyparissis, P.Driliias, Y.Petropoulou, G.Grammatikopoulos and Y.Manetas. (2001). Effects of UV-B radiation and additional irrigation on the Mediterranean evergreen sclerophyll *Cerantonia siliqua* L. under field conditions. **Plant Ecology**. 154: 189-193.
15. E.Gouvra and G.Grammatikopoulos. (2003). Beneficial effects of direct foliar water uptake on shoot water potential of five chasmophytes. **Canadian Journal of Botany**. 81: 1278-1284.
16. E.Levizou, P.Karageorgou, Y.Petropoulou, G.Grammatikopoulos and Y.Manetas. (2004). Induction of ageotropic response in lettuce radicle growth by epicuticular flavonoid aglycons of *Dittrichia viscosa*. **Biologia Plantarum**. 48: 305-307.
17. E.Gouvra and G.Grammatikopoulos.(2007). Seasonal and diurnal trends of water relations in five co-occurring chasmophytes. **Flora**. 202: 237-248.
18. A. Kyparissis, G.Grammatikopoulos and Y.Manetas.(2007) Morphological and photosynthetic adjustments to the green-depleted, red-enriched shade imposed on the mesophyll of an anthocyanic leaf. **Tree Physiology**. 27:849-857.
19. A.Petsas and G.Grammatikopoulos. (2009)Drought resistance and recovery of photosystem II activity in a Mediterranean semi-deciduous shrub at the seedling stage. **Photosynthetica** 47(2):284-292.

## 12. citations

197 citations (Web of science and Scopus)