

CURRICULUM VITAE

SURNAME: ADAMAKIS

FIRST NAME: IOANNIS-DIMOSTHENIS

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Nationality Hellenic

Education

B.Sc. degree in Biology, 2005, School of Biology, Aristotle University of Thessaloniki Ph.D. in Biology, 2013, School of Biology, Aristotle University of Thessaloniki

Career/Employment

Department of Botany, Aristotle University of Thessaloniki, research assistant 2014

Section of Botany, Biology Department,

National and Kapodistrian University of Athens, Assistant Professor 2018

Specialization

(i) Main field

Plant responses to abiotic stress

(ii) Other fields

Effects of abiotic stress on plant ultrastructure and metabolism

Effects of abiotic stress on plant cytoskeleton

Plant phyto-morphogenesis

(iii) Current research interest

Plant responses to toxic organic pollutants

Awards, Fellowships, Membership of Professional Societies

During my PhD studies I have been awarded for three years (2010-2013) with the scholarship program "Heraclitus II", received the German Foundation scholarship DAAD (DEUTSCHER AKADEMISCHER AUSTAUSCHDIENST) in which I worked for 4 months (September-December 2009) in the Department of Plant Biology, Braunschweig University of Technology, 38023 Braunschweig, Germany, Director Prof. Dr. Ralf R. Mendel. Furthermore also I have been awarded with the title "Fellow of Excellence" 2011 AUTH Research Committee on doctoral students (Honorable mention). Moreover after the completion of my studies I was awarded as a Post-doc fellow in the context of strengthening research activity at the Aristotle University of Thessaloniki by the Research Committee of the institution, special account Funds research (UNIV.), action c: Program "Excellence" 2014, Strengthen Research Activity-Post-doctoral Research, Project Code: 50141.

Reviewer in: African Journal of Biotechnology, Annals of Botany, Metallomics, Annals of Botany, RSC Advances, Journal of Biological Research-Thessaloniki, Journal of Hazardous Materials, British Journal of Applied Science & Technology, International Journal of Molecular Sciences, Brazilian Journal of Botany, Bulletin of Environmental Contamination and Toxicology, International Journal of Environmental Analytical Chemistry, Plant, Cell and Environment, Environmental Pollution, Journal of Botanical Sciences, Bioscience Horizons, International Journal of Molecular Sciences, Environmental Processes, American Journal of Plant Sciences.

Member of Societies: Hellenic Botanical Society 2005-2017, Federation of European Societies for Plant Biologists (FESPB) 2005-2017, Hellenic Phycological society 2005-2017.

Publications in Science Citation index: 30

Number of communications to scientific meetings: 50

h index : Scopus 12, Google Scholar 13

Citations : Scopus 177, Google Scholar 361

Recent publications relative to the project

1. **Adamakis I-D. S.**, Panteris E., Cherianidou A., Eleftheriou E.P. 2013. Effects of bisphenol A on the microtubule arrays of *Pisum sativum* L. root meristematic cells. Mutation Research – Genetic Toxicology and Environmental Mutagenesis 750, 111-120. IF: 3.035/2012
2. Eleftheriou E.P., **Adamakis I-D. S.**, Fatsiou M., Panteris E. 2013. Hexavalent chromium disrupts mitosis by stabilizing microtubules in *Lens culinaris* Moench. root tip cells. Physiologia Plantarum 147, 169-180. IF: 3.262/2013
3. Malea, P., **Adamakis, I-D. S.**, Kevrekidis, T. 2013. Kinetics of cadmium accumulation and its effects on microtubule integrity and cell viability in the seagrass *Cymodocea nodosa*. Aquatic Toxicology, 144, 257-264. IF: 3.513/2013
4. Malea P., **Adamakis I-D. S.**, Kevrekidis T. 2013. Microtubule integrity and cell viability under metal (Cu, Ni and Cr) stress in the seagrass *Cymodocea nodosa*. Chemosphere, 93, 1035-1042. IF: 3.499/2013
5. Panteris E., **Adamakis I-D. S.**, Daras G., Hatzopoulos P., Rigas S. 2013. Differential responsiveness of cortical microtubule orientation to suppression of cell expansion among the developmental zones of *Arabidopsis thaliana* root apex. PloS One, 8, e82442. IF: 3.53/2013
6. **Adamakis I-D. S.**, Panteris E, Eleftheriou EP, 2014. The nitrate reductase inhibitor, tungsten, disrupts actin microfilaments in *Zea mays* L. Protoplasma 251, 567-574. IF: 2.651/2014
7. **Adamakis I-D. S.**, Panteris E, Eleftheriou EP, 2014. Tungsten disrupts root growth in *Arabidopsis thaliana* by PIN targeting. Journal of Plant Physiology 171, 1174-1187. IF: 2.557/2014
8. Eleftheriou E.P., Michalopoulou V.A., **Adamakis I-D. S.** 2015. Aberration of mitosis by hexavalent chromium in some Fabaceae members is mediated by species-specific microtubule disruption. Environmental Science and Pollution Research 22, 7590-7599. IF: 2.760/2015
9. Moustaka J., Tanou G., **Adamakis I-D. S.**, Eleftheriou E.P., Moustakas M. 2015. Leaf Age-Dependent Photoprotective and Antioxidative Mechanisms to Paraquat-Induced Oxidative Stress in *Arabidopsis thaliana*. International Journal of Molecular Sciences 16, 13989-14009. IF: 3.257/2015
10. Eleftheriou, E. P., **Adamakis, I-D. S.**, Panteris, E., Fatsiou, M. 2015. Chromium-induced ultrastructural changes and oxidative stress in roots of *Arabidopsis thaliana*. International Journal of Molecular Sciences, 16, 15852-15871. IF: 3.257/2015
11. **Adamakis, I-D. S.**, Panteris, E., Eleftheriou, E. P. 2015. “CLASPing” tungsten's effects on microtubules with “PINs”. Plant Signaling and Behavior, 10, e1064572.
12. Eleftheriou E.P, **Adamakis I-D. S.**, Michalopoulou V.A. 2016. Hexavalent chromium-induced differential disruption of cortical microtubules in some Fabaceae species is correlated with acetylation of α -tubulin. Protoplasma 253, 531-42. IF: 2.343/2015
13. **Adamakis, I-D. S.**, Panteris, E., Eleftheriou, E. P. 2016. Bisphenol A disrupts microtubules and induces multipolar spindles in dividing root tip cells of the gymnosperm *Abies cephalonica*. Chemosphere, 149, 202-210. IF: 3.698/2015
14. Stavropoulou, K., **Adamakis, I. D. S.**, Panteris, E., Arseni, E. M., Eleftheriou, E. P. 2018. Disruption of actin filaments in *Zea mays* by bisphenol A depends on their crosstalk with microtubules. Chemosphere, 195, 653-665. IF:4,208/2016

15. Antonoglou, O., Moustaka, J., Adamakis, I. D. S., Sperdoui, I., Pantazaki, A. A., Moustakas M., Dendrinou-Samara, C. 2018. Nanobrass CuZn vanoparticles as foliar spray nonphytotoxic fungicides. *ACS Applied Materials & Interfaces*, 10, 4450-4461. IF: 7,504/2016
16. Moustaka, J., Panteris, E., Adamakis, I. D. S., Tanou, G., Giannakoula, A., Eleftheriou, E. P., Moustakas, M. 2018. High anthocyanin accumulation in poinsettia leaves is accompanied by thylakoid membrane unstacking, acting as a photoprotective mechanism, to prevent ROS formation. *Environmental and Experimental Botany* (in press) doi: <https://doi.org/10.1016/j.envexpbot.2018.01.006> IF: 4,369/2016.