

CURRICULUM VITAE

SURNAME : MOUSTAKAS

FIRST NAME: Michael

Affiliation and official address: Associate Professor of Botany

Department of Botany, School of Biology, Aristotle University of Thessaloniki,

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Nationality Hellenic

Education

B.S. degree in Biology in 1978, Aristotle University of Thessaloniki

Ph.D. in Biology in 1989, Aristotle University of Thessaloniki

Career/Employment

Department of Botany, Aristotle University of Thessaloniki, postgraduate research associate 1979

Department of Botany, Aristotle University of Thessaloniki, Lecturer, 1989

Department of Botany, Aristotle University of Thessaloniki, Assistant Professor 1992

Department of Botany, Aristotle University of Thessaloniki, Associate Professor 1998

Specialization

(i) main field

Effects of environmental stress on chloroplast development and photosynthesis

(ii) other fields

Effects of environmental stress on plant ultrastructure and metabolism

(iii) current research interest

Molecular mechanisms of abiotic stress tolerance

Awards, Fellowships, Membership of Professional Societies

UNESCO Fellowship, ROYAL SOCIETY Grant award, BRITISH COUNCIL Grant award, FINNISH

Government visitor's scholarship NATO Grant (SV.911094)369, NATO Grant (SV.941492)162, NATO

Grant (SV.960575)059, ERASMUS Grant (STV-94-G-2059), ERASMUS Grant (PIC-94-B-1004)

Editorial Board : BIOLOGIA, Studia Universitatis Babeş Bolyai, ROMANIA

Advisory Board : Journal of Biology, IUFS, TURKEY

Reviewer in: Australian Journal of Plant Physiology, Journal of Plant Physiology, Plant Physiology and Biochemistry, Cereal Research Communications, Scientia Horticulturae, Journal of Biological Research

Member of Societies: Hellenic Botanical Society 1982-2009 (administrative council 1993-1999),

Federation of European Societies for Plant Biologists (FESPB) 1994-2009 (National Representative 2000-

2009), The Botanical Society of Japan 1990-2009, American Society of Plant Biologists (ASPB) 1992-

2003, Japanese Society of Plant Physiologists 1990-2000, Japanese Society of Soil Science and Plant

Nutrition 1994-2005, Scandinavian Society for Plant Physiology (SSPP) 1994-2003, International Society

for Photosynthesis Research 1996-2005.

Publications

Number of papers in refereed journals: 37

Other published papers: 5

Number of papers in Conference Proceedings : 8

Number of communications to scientific meetings: 52

Number of books: 1

a) Papers in refereed journals

1. Symeonidis L., Moustakas M. and Coucoli H. 1985. Karyotype and seed protein profile analysis of diploid and tetraploid *Hordeum bulbosum* L. *Phyton* (Austria) 25: 31-38.
2. Symeonidis L. and Moustakas M. 1986. Biosystematic study of *Hordeum marinum* group in Greece. *Flora* 178: 177-182.
3. Moustakas M., Symeonidis L. and Coucoli H. 1986. Seed protein electrophoresis in *Agropyron junceum* (L.) P. B. complex. *Annals of Botany* 57: 35-40.
4. Symeonidis L., Moustakas M. and Karataglis S. 1987. Biosystematic study of the genus *Taeniatherum* in Greece. *Flora* 179: 171-177.
5. Moustakas M. 1988. Genome relationships between *Agropyron bessarabicum* Savul. and Rayss and *Agropyron striatulum* (Run.) Moust. and Couc. *Flora* 180: 339-344.
6. Karataglis S., Symeonidis L. and Moustakas M. 1988. Effect of toxic metals on the multiple forms of esterases of *Triticum aestivum* cv. Vergina. *Journal of Agronomy and Crop Science* 160: 106-112.
7. Yupsanis T. and Moustakas M. 1988. Relationship between quality, color of glume and gliadin electrophoregrams in durum wheat. *Plant Breeding* 101:30-35.
8. Moustakas M., Symeonidis L. and Ouzounidou G. 1988. Genome relationships in the *elytrigia* group of the genus *Agropyron* (Poaceae) as indicated by seed protein electrophoresis. *Plant Systematics and Evolution* 161:147-153.
9. Karataglis S., Moustakas M. and Symeonidis L. 1991. Effect of heavy metals on isoperoxidases of wheat. *Biologia Plantarum* 33: 3-9.
10. Moustakas M. 1991. Further evidence of the genome relationships between *Thinopyrum bessarabicum* and *T. elongatum*. *Cytobios* 68: 197-206.
11. Yupsanis T., Moustakas M. and Karakoli S. 1992. Seed protein electrophoresis for varietal identification in rice (*Oryza sativa* L.). *Journal of Agronomy and Crop Science* 168: 95-99.
12. Moustakas M., Yupsanis T., Symeonidis L., and Karataglis S. 1992. Aluminum toxicity effects on durum wheat cultivars. *Journal of Plant Nutrition* 15: 627-638.
13. Moustakas M. 1992. Genome relationships in *Thinopyrum junceum* (L.) Löve polyploid complex. *Acta Botanica Neerlandica* 41: 407-415.
14. Moustakas M. 1993 Genome relationships between octoploid and decaploid *Thinopyrum ponticum*. *Botanical Journal of the Linnean Society* 112: 149-157.

15. Eleftheriou E. P., Moustakas M. and Fragiskos N. 1993. Aluminate-induced changes in morphology and ultrastructure of *Thinopyrum* roots. *Journal of Experimental Botany* 44: 427-436.
16. Lanaras T., Moustakas M., Symeonidis L., Diamantoglou S and Karataglis S. 1993. Plant metal content, growth responses and some photosynthetic measurements on field-cultivated wheat growing on ore bodies enriched in Cu. *Physiologia Plantarum* 88: 307-314.
17. Moustakas M., Ouzounidou G. and Lannoye R. 1993. Rapid screening for aluminum tolerance in cereals by use of the chlorophyll fluorescence test. *Plant Breeding* 111: 343-346.
18. Yupsanis T., Moustakas M., Eleftheriou P. and Damianidou K 1994. Protein phosphorylation-dephosphorylation in alfalfa seeds germinating under salt stress. *Journal of Plant Physiology* 143: 234-240.
19. Moustakas M. and Ouzounidou G. 1994. Increased non-photochemical quenching in leaves of aluminium-stressed wheat plants is due to Al^{3+} -induced elemental loss. *Plant Physiology and Biochemistry* 32: 527-532.
20. Moustakas M., Lanaras T., Symeonidis L. and Karataglis S. 1994. Growth and some photosynthetic characteristics of field grown *Avena sativa* under copper and lead stress. *Photosynthetica* 30: 389-396.
21. Moustakas M., Ouzounidou G. and Lannoye R. 1995. Aluminum effects on photosynthesis and elemental uptake in an aluminum-tolerant and non-tolerant wheat cultivar. *Journal of Plant Nutrition* 18: 669-683.
22. Ouzounidou G., Ciamporova M., Moustakas M. and Karataglis S. 1995. Responses of maize (*Zea mays* L.) plants to copper stress. I. Growth, mineral content and ultrastructure of roots. *Environmental and Experimental Botany* 35: 167-176.
23. Ouzounidou G., Moustakas M. and Lannoye R. 1995. Chlorophyll fluorescence and photoacoustic characteristics in relationship to changes in chlorophyll and Ca^{2+} content of a Cu-tolerant *Silene compacta* ecotype under Cu treatment. *Physiologia Plantarum* 93: 551-557.
24. Moustakas M., Ouzounidou G., Eleftheriou E. P. and Lannoye R. 1996. Indirect effects of aluminium stress on the function of the photosynthetic apparatus. *Plant Physiology and Biochemistry* 34: 553-560.
25. Ouzounidou G., Moustakas M. and Strasser R. J. 1997. Sites of action of copper in the photosynthetic apparatus of maize leaves. *Australian Journal of Plant Physiology* 24: 81-90.

26. Ouzounidou G., Moustakas M. and Eleftheriou E. P. 1997. Physiological and ultrastructural effects of cadmium on wheat (*Triticum aestivum* L.) leaves. Archives of Environmental Contamination and Toxicology 32: 154-160.
27. Moustakas M., Eleftheriou E. P. and Ouzounidou G. 1997. Short-term effects of aluminium at alkaline pH on the structure and function of the photosynthetic apparatus. Photosynthetica 34: 169-177.
28. Moustakas M., Ouzounidou G., Symeonidis L. and Karataglis S. 1997. A field study of the effect of excess copper on wheat photosynthesis and productivity. Soil Science and Plant Nutrition 43: 531-539.
29. Eleftheriou E. P., Karagiannidou T., Hudak J., and Moustakas M. 2003. Developmental malformations of the protophloem sieve-element cell wall in oryzalin-treated roots of wheat. Biologia 58: 833-841.
30. Kofidis G., Bosabalidis A. M. and Moustakas M. 2003. Contemporary seasonal and altitudinal variations of leaf structural features in oregano (*Origanum vulgare* L.). Annals of Botany 92: 635-645.
31. Ouzounidou G., Moustakas M., Symeonidis L. and Karataglis S. 2006. Response of wheat seedlings to Ni stress: effects of supplemental calcium. Archives of Environmental Contamination and Toxicology 50: 346-352.
32. Papadakis I.E., Giannakoula A., Therios I. N., Bosabalidis A. M., Moustakas M. and Nastou A. 2007. Mn-induced changes in leaf structure and chloroplast ultrastructure of *Citrus volkameriana* (L.) plants. Journal of Plant Physiology 164: 100-103.
33. Kofidis G., Bosabalidis A. M. and Moustakas M. 2007. Combined effects of altitude and season on leaf characteristics of *Clinopodium vulgare* L. (Labiatae). Environmental and Experimental Botany 60: 69-76.
34. Papadakis I.E., Giannakoula A., Therios I., Moustakas M. and Nastou A. 2007. Photosystem 2 activity of *Citrus volkameriana* (L.) leaves as affected by Mn nutrition and irradiance. Photosynthetica 45: 208-213.
35. Giannakoula A., Moustakas M., Mylona P., Papadakis I. and Yupsanis T. 2008. Aluminium tolerance in maize is correlated with increased levels of mineral nutrients, carbohydrates and proline and decreased levels of lipid peroxidation and Al accumulation. Journal of Plant Physiology 165: 385-396.

36. Giannakoula A., Moustakas M., Syros T., and Yupsanis T. 2010. Aluminium stress induces up-regulation of an efficient antioxidant system in the Al-tolerant maize line but not in the Al-sensitive line. *Environmental and Experimental Botany* 67: 487-494.
37. Yupsanis T., Moustakas M., Symeonidis L., Patras A., Christou, A., Mantragou C., Yupsani, A. and Frangopol, P. 2010. Paraquat and roundup effects on nucleases activities of alfalfa seedlings and nucleases activities on paraquat-treated and roundup-treated nucleic acids. *Acta Physiologiae Plantarum* in press (doi:10.1007/s11738-009-0368-2)

b) Other published papers

38. Coucoli H., Georgiou A. and Moustakas M. 1981. Contribution to the revision of the barley karyotype. *Scientific Annals, Faculty of Physics and Mathematics, University of Thessaloniki*, 21: 203-213.
39. Moustakas M. 1981. Contribution to the study of the marine flora of Crete island, Greece. *Scientific Annals, Faculty of Physics and Mathematics, University of Thessaloniki*, 21: 263-275.
40. Moustakas M. and Coucoli H. 1982. Karyotype and seed protein profile determination of *Agropyron striatulum* natural greek populations. *Wheat Information Service* 55: 27-31.
41. Babalonas D. and Moustakas M. 1986. *Agropyron strigosum* (Poaceae), a pontic element found in Northern Greece. *Willdenowia* 16: 69-71.
42. Moustakas M. 1992. An assessment of genome relationships between *Thinopyrum elongatum*, *T. flaccidifolium* and *T. scirpeum*. *Chromatin* 1: 69-77.

c) Papers in Conference Proceedings

43. Moustakas M., Coucoli H. and Tsekos I. 1983. Isoelectric focusing of seed proteins from natural greek populations of two *Agropyron* species. In: Stathakos D. (ed.) *Electrophoresis '82. Advanced Methods, Biochemical and Clinical Applications*. Walter de Gruyter, Berlin, pp. 725-731.
44. Moustakas M., Ouzounidou G. and Strasser R. J. 1995. Sites of action of copper in the photosynthetic apparatus of maize leaves In: *Photosynthesis: from Light to Biosphere*, vol. IV. pp. 657-660. P. Mathis (ed). Kluwer Academic Publishers, The Netherlands.
45. Moustakas M., Tsimilli-Michael M., Purnhauser L., Ouzounidou G., Bona L. and Strasser R. J. 1998. Effects of Cu on shoot regeneration in *Triticum aestivum* tissue cultures probed by

- fast fluorescence (JIP-test). In: Progress in Botanical Research pp. 199-205. I. Tsekos and M. Moustakas (eds). Kluwer Academic Publishers, The Netherlands.
46. Yupsanis T., Moustakas M. and Cosma C. 1998. Aluminium stress effects to nucleolytic activities of *Triticum aestivum*. In: Progress in Botanical Research pp. 247-250. I. Tsekos and M. Moustakas (eds). Kluwer Academic Publishers, The Netherlands.
47. Bona L., Zsoldos F., Vashegyi A., Moustakas M. and Purnhauser L. 1998. Root and shoot growth of common and durum wheat seedlings influenced by low pH and aluminum stress. In: Progress in Botanical Research pp. 277-280. I. Tsekos and M. Moustakas (eds). Kluwer Academic Publishers, The Netherlands.
48. Moustakas M., Bona L., Zsoldos F., Ouzounidou G. and Purnhauser L. 1998. Evaluation of aluminium tolerance in wheat. In: Progress in Botanical Research pp. 337-340. I. Tsekos and M. Moustakas (eds). Kluwer Academic Publishers, The Netherlands.
49. Moustakas M., Ciamporova M., Ouzounidou G. and Tsekos I. 1998. Effects of Pb and Cd on the ultrastructure of wheat roots. In: Progress in Botanical Research pp. 431-434. I. Tsekos and M. Moustakas (eds). Kluwer Academic Publishers, The Netherlands.
50. Voloshko L., Gavrilova O., and Moustakas M. 2001. Response of cyanobacteria strains to stress induced by heavy metal ions. Algae and extreme environments. Ecology and Physiology. Proceedings of the International Conference 11-16 September 2000 Trebon, Czech Republic. Nova Hedwigia 123: 487-497.

d) Conference Abstracts or Communications in Conference Proceedings

51. Moustakas M., and Coucoli H. 1982. Karyotype analysis of *Agropyron striatulum* native greek populations. Proceedings of the 4th Conference of the Hellenic Biological Society, Thessaloniki, Greece, 1982, pp. 49-51. (In greek with english summary).
52. Symeonidis L., Moustakas M. and Coucoli H. 1984. Genome relationships between diploid and tetraploid *Hordeum bulbosum*. Proceedings of the 6th Conference of the Hellenic Biological Society, Athens, Greece, 1984, pp. 65-66. (In greek with english summary).
53. Moustakas M. and Haritonidis S. 1984. Is greek marine flora boreal or subtropical? Proceedings of the 6th Conference of the Hellenic Biological Society, Athens, Greece, 1984, pp. 133-135. (In greek with english summary).
54. Symeonidis L. and Moustakas M. 1985. Biosystematic study of *Hordeum marinum* group in Greece. Proceedings of the 4th Conference of the Hellenic Botanical Society, Thessaloniki, Greece, 1985, pp. 71-76. (In greek with english summary).

55. Moustakas M., Symeonidis L. and Coucoli H. 1985. Isoelectric focusing of seed protein in *Agropyron junceum* (L.) P. B. complex. Proceedings of the 4th Conference of the Hellenic Botanical Society, Thessaloniki, Greece, 1985, pp. 113-117. (In greek with english summary).
56. Karataglis S., Moustakas M. and Symeonidis L. 1986. Effect of aluminium on isoesterases of *Avena sativa* cv. Kassandra. Abstracts 5th International Congress on Isozymes, Kos, Greece, p. 27.
57. Karataglis S., Symeonidis L. and Moustakas M. 1986. Effect of toxic metals on isoesterases of *Triticum aestivum* cv. Vergina. Abstracts 5th International Congress on Isozymes, Kos, Greece, p. 28.
58. Karataglis S., Symeonidis L., Moustakas M. and Diannelidis Th. 1987. Effect of toxic metals on isoperoxidases of *Triticum aestivum* cv. Vergina. Abstracts XIV International Botanical Congress, Berlin, Germany, p. 80.
59. Yupsanis T. and Moustakas M. 1989. Relationship between quality, colour of glume and gliadin electrophoregrams in durum wheat. Abstracts XII EUCARPIA Congress 1989, Göttingen, Germany F. R., Vorträge für Pflanzenzüchtung Heft 15-II (27-5).
60. Karataglis S., Moustakas M. and Symeonidis L. 1989. Effect of toxic metals on the multiple forms of esterases and peroxidases of wheat (*Triticum aestivum* L. cv. Vergina). Abstracts Heavy Metal Workshop, Strainchamps, Université Libre de Bruxelles 1988, Belgium. European Heavy Metal News 1: 4.
61. Moustakas M. Ouzounidou G. and Bountouri P. 1992. A comparative study of Al-tolerance of Greek cultivated wheats and native *Agropyron* species. Proceedings of the 12th Conference of the Hellenic Biological Society, Mytilini, Greece, 1990, pp. 181-183. (In greek).
62. Yupsanis T., Moustakas M. and Karakoli S. 1992. Identification of rice cultivars by seed protein electrophoresis. Proceedings of the 12th Conference of the Hellenic Biological Society, Mytilini, Greece, 1990, pp. 188-190. (In greek with english summary).
63. Moustakas M. Symeonidis L. and Karataglis S. 1992. Aluminium tolerance of Greek cultivated bread and durum wheats. Proceedings of the 12th Conference of the Hellenic Biological Society, Mytilini, Greece, 1990, pp. 209-211. (In greek with english summary).
64. Moustakas M., Ouzounidou G. and Lannoye R. 1992. Rapid screening for aluminum tolerance of cereals by chlorophyll fluorescence test. Proceedings of the 14th Panhellenic Biological Conference, Nicosia, Cyprus, 1992, p. 104.

65. Yupsanis T., Moustakas M., Eleftheriou P. and Damianidou K. 1992. Effect of salinity on protein kinases and protein phosphatases activities during germination of alfalfa. Abstracts of the 9th Balkan Biochemical and Biophysical Days, Thessaloniki, Greece 1992, p. 36.
66. Ouzounidou G., Ciamporova M., Moustakas M. and S. Karataglis 1994. Responses of maize roots to copper stress. Abstracts 9th Congress of the Federation of European Societies of Plant Physiology. Brno, Czech Republic, 1994, *Biologia Plantarum*: 36 (suppl.) p. 286.
67. Ciamporova M., Moustakas M., Ouzounidou G. and Tsekos I. 1994. Ultrastructural responses of plant cells to environmental stresses. Abstracts 4th European Congress of Cell Biology. Prague, Czech Republic 1994, *Cell Biology International* 18: 463.
68. Ouzounidou G. and Moustakas M. 1995. Study of the effects of excess Cu on function of Photosystems I and II using chlorophyll fluorescence and photoacoustic methods. Proceedings of the 5th Scientific Conference of the Hellenic Botanical Society, Delphi, Greece, 1994, pp. 243-246. (In greek with english summary).
69. Moustakas M., Ouzounidou G. and Strasser R. J. 1995. Sites of action of copper in the photosynthetic apparatus of maize leaves. Abstracts Xth International Photosynthesis Congress, Montpellier, France, 1995, *Photosynthesis Research* suppl. 1, 1995, p. 206.
70. Moustakas M. and Ouzounidou G. 1996. Stomatal and photosynthetic responses to aluminium exposure of two wheat cultivars differing in aluminium tolerance. Abstracts 10th Congress of the Federation of European Societies of Plant Physiology. Florence, Italy, 1996, *Plant Physiology and Biochemistry* (special issue, 1996), p. 268.
71. Moustakas M. 1996. Influence of aluminium on photosynthetic function in phosphate deficient wheat (*Triticum aestivum* L.). Abstracts 10th Congress of the Federation of European Societies of Plant Physiology. Florence, Italy, 1996, *Plant Physiology and Biochemistry* (special issue, 1996), p. 268.
72. Moustakas M., Ouzounidou G. and Eleftheriou E.P. 1996. Physiological and ultrstructural effects of cadmium on wheat (*Triticum aestivum*) leaves. Proceedings of the 6th Scientific Conference of the Hellenic Botanical Society, Paralimni, Cyprus 1996, pp. 332-338 (In greek with english summary).
73. Ouzounidou G., Moustakas M., Symeonidis L., and Karataglis S. 1996. Calcium requirement for recovery of growth and photosynthesis in Ni-stressed wheat. Proceedings of the 6th Scientific Conference of the Hellenic Botanical Society, Paralimni, Cyprus 1996, pp. 339-344. (In greek with english summary).

74. Moustakas M., Ouzounidou G. and Ciamporova M. 1997. Is the response of root cells uniform to stress conditions? Ultrastructural study of maize roots under copper stress. Abstracts International Conference "Studying Stress in Ecological Systems: Pure and Applied Perspectives" Roskilde, Denmark 1997, p. 25.
75. Moustakas M., Ouzounidou G., Karataglis S., Bona L., Purnhauser L. Zsoldos F. and Matuz J. 1997. Genetic efforts and biotechniques for improvement of abiotic stress tolerance in wheat. Commemoration workshop "Greek Hungarian Science and Technology Cooperation." Athens, Greece, 1997.
76. Moustakas M. and Ouzounidou G. 1998. Functioning of photosystems I and II in two species differing to aluminum tolerance. Abstracts International Workshop on Stress Synergisms in Plants: Abiotic and Biotic Stress in Photosynthesis. Tata, Hungary, 1998, p. 44.
77. Moustakas M. and Ouzounidou G. 1998. Environmental changes and photosynthesis. II. Photosynthesis in plants grown under elevated CO₂. Proceedings of the 7th Scientific Conference of the Hellenic Botanical Society, Alexandroupolis, Greece, 1998, pp. 354-357 (In greek with english summary).
78. Moustakas M. 1999. Interactive effects of growth acidity and elevated CO₂ on photosynthesis. Abstracts XIX Congress of Scandinavian Society for Plant Physiology. Joensuu, Finland 1999, p. 93.
79. Giannakoula A., Holl A.-C., Lemoine Y. and Moustakas M. 2000. Relationship between xanthophyll cycle operation and aluminium tolerance in maize. Abstracts 12th Congress of the Federation of European Societies of Plant Physiology. Budapest, Hungary, 2000, Plant Physiology and Biochemistry (special issue, 2000) p. 246.
80. Gavrilova O., Voloshko L., Moustakas M., Papadopoulou R. and Tsekos I. 2001. Responses of cyanobacteria strains to heavy metal stress. Abstracts 7th International Phycological Congress. Thessaloniki, Greece, August 2001, Phycologia vol. 40 No 4 supplement p. 108.
81. Hudak J., Eleftheriou E. P., Moustakas M. and Bobak M. 2001. Plastid recovery from Cd-treated mustard cotyledons. Proceedings of the IXth days of Plant Physiology. České Budějovice, Czech Republic, September 2001.
82. Efthymiou M., Moustakas M., Heracleous A., Voloshko L., Gavrilova O., Eleftheriou E. and Tsekos I. 2002. Responses of *Euglena gracilis* to Nickel. 9th Scientific Conference of the Hellenic Botanical Society, Argostoli, Kefalonia, Greece, May 2002, pp.124-128 (In greek with english summary).

83. Moustakas M., Giannakoula A., Syros T., and Yupsanis T. 2002. Antioxidative responses to aluminium (Al) toxicity of two maize lines with different Al tolerance. Abstracts 13th Congress of the Federation of European Societies of Plant Physiology. Crete, Greece, 2002, p. 536.
84. Moustakas M., Kofidis G., Holl A.-C., Lemoine Y. and Bosabalidis A. 2002. Xanthophyll cycle pigments and environmental adaptation of high-altitude *Origanum vulgare* plants. Abstracts 13th Congress of the Federation of European Societies of Plant Physiology. Crete, Greece, 2002, p. 601.
85. Sperdouli E. and Moustakas M. 2003. Carbon metabolism and water stress in wheat. Proceedings of the 25th Panhellenic Biological Conference, Mytilini, Greece 2003, pp. 296-297.
86. Eleftheriou E. P., Timplalexi D., Hudak J. and Moustakas M. 2003. Oryzalin effects in developing roots of wheat. Abstracts 6th International Symposium on Structure and Function of Roots, Stara Lesna, Slovakia, September 2003, p. 18.
87. Yupsanis T, Moustakas M, Patras A., Yupsani A., Christou A. and Frangopol P. 2003. Nuclease activities of alfalfa under paraquat or roundup stress. Abstracts of the 13th Balkan Biochemical and Biophysical Days and Meeting on Metabolic Disorders. Kusadasi, Turkey, October 2003, Turkish Journal of Biochemistry 28(3): 187.
88. Moustakas M. and Sperdouli E. 2003. Functioning of photosystem II (PSII) in an Aluminium (Al) tolerant and non-tolerant wheat cultivar under Al stress. Abstracts of the 13th Balkan Biochemical and Biophysical Days and Meeting on Metabolic Disorders. Kusadasi, Turkey, October 2003, Turkish Journal of Biochemistry 28(3): 187-188.
89. Moustakas M. Ouzounidou G. and Sperdouli E. 2004. The effects of excess manganese (Mn) on photosynthetic rate and chlorophyll concentration in an aluminium (Al) tolerant and non-tolerant wheat cultivar. Abstracts 14th Congress of the Federation of European Societies of Plant Physiology. Cracow, Poland, 2004, Acta Physiologiae Plantarum 26(3): 211.
90. Nikoloudi A., Moustakas M. and Vlachonasios K. 2005. Distinct functions of the transcriptional co-activators GCN5 and ADA2b in *Arabidopsis thaliana* revealed by chlorophyll fluorescence analysis. Abstract 902 Plant Biology 2005, Seattle, Washington, USA, 2005.
91. Chatzopoulou F., Kalamaki M., Moustakas M. and Kanellis A.K. 2005. Salt tolerance of transgenic *Arabidopsis thaliana* plants with antisense nuclear factor-YC9 (AtNF-YC9).

- Proceedings of the 27th Scientific Conference of the Hellenic Society for Biological Sciences, Nafplio, Greece, 2005, pp. 425-426.
92. Vlachonasios K.E., Nikoloudi A.A., Moustakas M., Thomashow M.F. and Triezenberg S.T. 2005. The role of transcriptional adaptor proteins ADA2b and GCN5 in growth and development of *Arabidopsis thaliana*. Proceedings of the 10th Scientific Conference of the Hellenic Botanical Society, Ioannina, Greece, 2005 (In greek with english summary).
 93. Vlachonasios K., Nikoloudi A., Polidorou C., and Moustakas M. 2006. The role of transcriptional co-activators ADA2b and GCN5 in root growth and PSII function of *Arabidopsis thaliana* under salinity. Proceedings of the 28th Scientific Conference of the Hellenic Society for Biological Sciences, Ioannina, Greece, 2006, pp. 35-36.
 94. Vamvali M., Moustakas M., Kalamaki M. and Kanellis A.K. 2006. Response of PSII to salt stress in *Arabidopsis thaliana*. Abstracts XV Congress of the Federation of European Societies of Plant Biology. Lyon, France, 2006, p.173.
 95. Asfi M., Ouzounidou G., Sperdouli I. and Moustakas M. 2006. Effects of olive mill wastewater fertirrigation on growth and photosynthetic characteristics of spinach (*Spinacea oleracea* L.). Abstracts XV Congress of the Federation of European Societies of Plant Biology. Lyon, France, 2006, p.187.
 96. Vlachonasios K., Nikoloudi A., Moustakas M., Hark A., Thomashow M. Triezenberg S. 2006. The *Arabidopsis* transcriptional coactivators GCN5, ADA2a and ADA2b have common and distinct biological functions. Abstracts 3rd EPSO Conference. Plant Dynamics: from Molecules to Ecosystems. Visegrad, Hungary, 2006, p. 167.
 97. Asfi M., Ouzounidou G., Moustakas M., Antonopoulou C., and Therios I. 2007. Effect of olive oil-mill wastewater treatment on development, photosynthesis, carbohydrates and proline content of *Spinacia oleracea* L. leaves. Abstracts 23rd Scientific Conference of the Hellenic Society of Pomology, Chania, Greece, 2007, p. 40 (In greek).
 98. Ouzounidou G., Asfi M., and Moustakas M. 2008. The impact of olive-mill wastewaters on physiology and nutritional value of peas. Abstracts VI International Symposium on Mineral Nutrition of Fruit Crops, Algarve, Portugal, 2008, p. 84.
 99. Moustakas M., Karadimou E., Vlachonasios K., Nikoloudi A. and Rodriguez P. 2008. The role of the transcriptional adaptor *ADA2b* in root growth and PSII function of *Arabidopsis thaliana* under drought stress. Proceedings of the 30th Scientific Conference of Hellenic Association for Biological Sciences, Thessaloniki, 2008, pp. 324-325.
 100. Moustakas M., Sperdouli I., Kouna T., Antonopoulou C. and Therios I. 2008. Exogenous

application of proline on *Arabidopsis thaliana* plants under drought stress studied by chlorophyll fluorescence imaging. Proceedings of the 30th Scientific Conference of Hellenic Association for Biological Sciences, Thessaloniki, 2008, pp. 326-327.

101. Sperdouli I. and Moustakas M. 2008. Differential drought tolerance of young and mature leaves of *Arabidopsis thaliana* as revealed by chlorophyll fluorescence imaging: the role of flavonoids and anthocyanins. Proceedings of the 30th Scientific Conference of Hellenic Association for Biological Sciences, Thessaloniki, 2008, pp. 442-443.
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