

CHRISTOS DORDAS

Aristotle University of Thessaloniki
School of Agriculture
Laboratory of Agronomy
54124 Thessaloniki
Greece

Tel: +302310998602
Fax: +30231998634
Email: chdordas@agro.auth.gr

EDUCATION

UNIVERSITY OF CALIFORNIA, DAVIS

Ph.D in Plant Biology

September 1999

Research in the mechanisms of boron uptake in higher plants.

ARISTOTELIAN UNIVERSITY OF THESSALONIKI

B.Sc. in Plant Science from the Department of Agriculture

July 1992

WORK EXPERIENCE

ARISTOTLE UNIVERSITY OF THESSALONIKI

Professor

2017- present

Associate professor

2013- 2017

Assistant professor

2007- 2013

Lecturer

2003-2007

Thessaloniki, Greece

TECHNOLOGICAL EDUCATIONAL INSTITUTE OF THESSALONIKI

Thessaloniki, Greece

Assistant Professor

2002-2003

UNIVERSITY OF MANITOBA

Postdoctoral Research Fellow

Manitoba, Canada

1999-2001

UNIVERSITY OF CALIFORNIA, DAVIS

Postgraduate Researcher

Davis, California

1999

UNIVERSITY OF CALIFORNIA, DAVIS

Research Assistant

Davis, California

1995-1999

DEPARTMENT OF AGRICULTURE OF GREECE **Thessaloniki, Greece**
Assistant to Supervisor of Agronomists 1995

NATIONAL SERVICE **Greece**
1992-1994

TEACHING EXPERIENCE

ARISTOTLE UNIVERSITY OF THESSALONIKI

Professor Thessaloniki, Greece
2017- present

Associate professor Thessaloniki, Greece
2013- 2017

Assistant Professor Thessaloniki, Greece
2007-2013

Lecturer Thessaloniki, Greece
2003-2007

TECHNOLOGICAL EDUCATIONAL INSTITUTE OF THESSALONIKI

Assistant Professor Thessaloniki, Greece
2002-2003

UNIVERSITY OF MANITOBA

Advanced Crop Physiology **Manitoba, Canada**
2000-2001

UNIVERSITY OF CALIFORNIA, DAVIS

Teaching Assistant for the course of plant mineral nutrition **Davis, California**
1997

SCHOLARSHIPS AND AWARDS

State Scholarships Foundation of Greece (1995-98) (\$14.000/year).

Fulbright Award (1995-96) (\$15.000).

Waiver of Out of State Tuition, University of California (3 quarters).

NATO scholarship (1995) (declined).

Graduate Studies Travel Award to attend the annual meeting of the American society of Plant Biologists (1999)

Department of Pomology Travel Award to attend the annual meeting of the American society of Plant Biologists (1999)

State Scholarships Foundation of Greece (1987-92).

RESEARCH AND EDUCATIONAL GRANTS

1. Intercrop Values (2022-2026, Horizon). Developing Intercropping for agrifood Value chains and Ecosystem Services delivery in Europe and Southern countries.
2. Biodiversify, (2020-2023, Prima 2019) Boost ecosystem services through high Biodiversity-based Mediterranean Farming sYstems.

3. Legumes4Protein (2018-2021) (National Project), Sustainable legume production for the balanced development of plant and animal production with the use of new technologies. <http://www.legumes4protein.gr/el/>
4. LensBreed (2018-2021) (National Project), Assessment and improvement of native populations and lentil varieties for particular agronomic, physiological and qualitative characteristics. www.lensbreed.gr
5. Biocircular (2018-2021) (National Project), Bioproduction system of precision circular agriculture. <https://biocircular.gr/>
6. RosArom (2018-2021) (National Project), “Use of biotechnological methods in showing, Use of biotechnological methods in the emergence, identification, evaluation and propagation of indigenous aromatic rose genotypes in order to utilize them in the expansion of cultivation and optimization of rose oil production.
7. ReMIX Redesigning European cropping systems based on species MIXtures Horizon 2020 Call: H2020-SFS-2016-2017 (Sustainable Food Security – Resilient and resource-efficient value chains), Topic: SFS-02-2016 (2017-2020).
8. Program on development of industrial research (PAVET 2013) “Sustainable production of animal feeds for the balanced development of plant and animal production with new technologies” project number 1330-BET-2013 (2013-2015).
9. Collaboration between Greece and Slovakia (2013-1015) Ministry of Education of Greece Exploration of cultivated species gene pool for the advancement and improvement of important European crops agronomical characteristics (2 years).
10. ARHIMIDES (2011-2013) Ministry of Education of Greece. Evaluation of old and new barley cultivars to salinity and drought stress.
11. SYNEGRASIA (2011-2013) Ministry of Development (Improvement of corn hybrids to drought stress)
12. TEMPUS III. Developing new applied biosciences and biotechnology curricula (2007-2010).
13. TEMPUS IV «New MSc Curricula in Applied Biosciences at Georgian and Armenian Universities; (MAPB)» 2010-2013 Tempus Project 159340-TEMPUS-ES-TEMPUS-JPCR MAPB.
14. EPEAEK (2004-2006) «Effect of biological methods in development of fungus diseases in Solanaceae and Cucurbitaceae» Ministry of Education of Greece (2 years).
15. EPEAEK (2005-2007) National Project: «Effect of Cd toxicity on biochemical and physiological processes that affect the uptake, translocation and metabolism of Cd in eastern type tobacco cultivars» Ministry of Education of Greece (2 years)
16. PAVET (2006-2008) Ministry of Development Title: Energy crops for Greece
17. USBorax Research Grant US Borax (Function of B in Plant Membranes and Mechanisms of B uptake by higher Plants) (2 years)
18. Jastro Shields Research Grant Movement of boron across cellular membranes (University of California, Davis) (1 year)
19. Olive Board of California Effect of foliar application of boron in olive trees. (2 years).

LIST OF PUBLICATIONS

Publications in peer reviewed journals (in SCI)

1. Dordas C. and Brown PH. 2000 Permeability of boric acid across lipid bilayers and factors affecting. *Journal of Membrane Biology* 175: 95-105.

2. **Dordas C.** Chrispeels MJ, Brown P.H. 2000. Permeability and channel-mediated transport of boric acid across membrane vesicles isolated from squash roots. *Plant Physiology* 124:1349-1362.
3. **Dordas C.** and Brown PH. 2001 Permeability and the mechanism of transport of boric acid across the plasma membrane of *Xenopus laevis* oocytes. *Biological Trace Element Research* 81: 127-139.
4. **Dordas C.** and Brown PH. 2001. Evidence of channel mediated transport of boric acid in higher plants. *Plant and Soil* 235: 95-103 [COVER PAGE ARTICLE].
5. Perica S, Brown PH, Connell JH, Nyomora AMS, **Dordas C.**, and Hu H 2001. Foliar boron application improves flower fertility and fruit set of olive. *HortScience*, Vol. 36: 714-716.
6. **Dordas C.**, Hasinoff BB, Igamberdiev AU, Monach N, Rivoal J, Hill RD 2003. Expression of stress induced hemoglobin affects NO levels produced by alfalfa root cultures under hypoxic stress. *Plant Journal* 35(6) 763-770.
7. **Dordas C.**, Rivoal J, Hill RD 2003. Plant haemoglobins, nitric oxide and hypoxic stress. *Annals of Botany* 91:173-178
8. **Dordas C.**, Hasinoff BB, Rivoal J, Hill RD 2004. Class-1 hemoglobin, nitrate and NO levels in anoxic maize cell suspension cultures. *Planta* 219 (1): 66-72.
9. **Dordas C.** and Brown PH. 2005. Boron deficiency affects cell viability, phenolic leakage and oxidative burst in rose cell cultures. *Plant and Soil* 268 (1-2): 293-301.
10. Simoglou K. and **Dordas C.** 2006. Effect of foliar applied boron, manganese and zinc on tan spot in winter durum wheat. *Crop Protection* 25 (7): 657-663.
11. **Dordas C.** 2006. Foliar boron application improves seed set, seed yield, and seed quality of alfalfa. *Agronomy Journal* 98 (4): 907-913.
12. **Dordas C.** 2006. Foliar boron application affects lint and seed yield and improves seed quality of cotton grown on calcareous soils. *Nutrient Cycling in Agroecosystems*. 76(1): 19-28.
13. Dhima, K.V., A.S. Lithourgidis, I.B. Vasilakoglou, and **C.A. Dordas.** 2007. Competition indices of common vetch and cereal intercrops in two seeding ratio. *Field Crops Research* 100: 249-256
14. Lithourgidis, A.S., I.B. Vasilakoglou, K.V. Dhima, **C.A. Dordas** and M.D. Yiakoulaki. 2006. Forage yield and quality of common vetch mixtures with oat and triticale in two seeding ratios. *Field Crops Research* 99:106-113
15. Lithourgidis A.S., K.V. Dhima, I.B. Vasilakoglou, **C.A. Dordas**, M.D. Yiakoulaki 2007. Sustainable production of barley and wheat by intercropping common vetch. *Agronomy for Sustainable Development* 27:95-99.
16. **Dordas C.**, G. Apostolides, O. Goundra 2007. Boron application affects seed yield and seed quality of sugar beets. *Journal of Agricultural Science* 145: 377-384.
17. **Dordas C.** 2009. Foliar application of manganese increases seed yield and improves seed quality of cotton grown on calcareous soils. *Journal of Plant Nutrition* 32: 160-176.
18. Matsi T, A.S. Lithourgidis, N. Barbayiannis, and **C.A. Dordas** 2007. Liquid Cattle Manure: Short-term Effect on Corn Growth and Yield and Long-term Effect on Certain Soil Characteristics. *Agronomy Journal* 99 (4): 1041-1047.

19. **Dordas C.**, C. Sioulas 2008. Safflower yield, chlorophyll content, photosynthesis, and water use efficiency response to nitrogen fertilization under rainfed conditions. *Industrial Crops and Products*. 27: 75-85.
20. **Dordas C.A.**, A. S. Lithourgidis, T. Matsi, N. Barbayiannis 2008. Application of Liquid Cattle Manure and Inorganic Fertilizers Affect Dry Matter, Nitrogen Accumulation, and Partitioning in Maize. *Nutrient Cycling in Agroecosystems* 80 (3), 283-296.
21. **Dordas C.**, 2008. The role of nutrients in controlling plant diseases in sustainable agriculture. A review. *Agronomy for Sustainable Development* 28 (1) 33-46.
22. **Dordas C.**, Sioulas C. 2009. Dry matter and nitrogen accumulation, partitioning, and retranslocation in safflower (*Carthamus tinctorius* L.) as affected by nitrogen fertilization. *Field Crops Research* 110: 35-43.
23. **Dordas C.**, 2009. Dry matter, nitrogen and phosphorus accumulation, partitioning and remobilization as affected by N and P fertilization and source - sink relations. *European Journal of Agronomy* 30: 129-139.
24. Vasiliadou S., **Dordas C.**, 2009. Increased concentration of soil cadmium affects plant growth, dry matter accumulation, Cd, and Zn uptake of different tobacco cultivars (*Nicotiana tabacum* L.). *International Journal of Phytoremediation* 11: 115-130.
25. **Dordas C.**, 2009. Foliar application of calcium and magnesium improves growth, yield, and essential oil yield of oregano (*Origanum vulgare ssp. hirtum*). *Industrial Crops and Products* 29: 599-608
26. **Dordas C.**, 2009. Nonsymbiotic hemoglobins and stress tolerance in plants. *Plant Science* 176: 433-440
27. Kaloumenos, N.S., **C.A. Dordas**, G.C. Diamantidis, I.G. Eleftherohorinos. 2009. Multiple Pro197 Substitutions in the Acetolactate Synthase of Corn Poppy (*Papaver rhoeas* L.) Confer Resistance to Tribenuron. *Weed Science* 57:362–368.
28. **Dordas C.** 2010. Variation of physiological determinants of yield in linseed in response to nitrogen fertilization. *Industrial Crops and Products* 31, 455–465.
29. Lithourgidis, A.S. and **C.A. Dordas**. 2010. Forage yield, growth rate, and nitrogen uptake of faba bean intercrops with wheat, barley, and rye in three seeding ratios. *Crop Science* 50:1–11.
30. **Dordas CA.** 2011. Nitrogen nutrition index and its relationship to N use efficiency in linseed. *European Journal of Agronomy* 34:124-132.
31. Lithourgidis, A.S., **C.A. Dordas**, C.A. Damalas, D.N. Vlachostergios 2011. Annual intercrops: an alternative pathway for sustainable agriculture. *Australian Journal of Crop Science* 5(4):396-410.
32. Kaloumenos, N., V.N. Adamouli, **C.A. Dordas**, I.G. Eleftherohorinos 2011. Corn Poppy (*Papaver rhoeas*) Cross-resistance to ALS-inhibiting Herbicides. *Pest Management Science* 67: 574–585.
33. Lithourgidis, A.S., D.N. Vlachostergios, **C.A. Dordas**, C.A. Damalas 2011. Dry matter yield, nitrogen content, and competition in pea-cereal intercropping systems. *European Journal of Agronomy* 34: 287–294
34. Vlachostergios D. N., A. S. Lithourgidis , **C. A. Dordas**, D. Baxevanos. 2011. Advantages of mixing common vetch cultivars developed from conventional breeding programs when grown under low-input farming system. *Crop Science* 51: 1274-1281.

35. **Dordas CA.**, A. S. Lithourgidis 2011 Growth, yield and nitrogen performance of faba bean intercrops with oat and triticale at varying seeding ratios. *Grass and Forage Science* 66, 569–577.
36. **Dordas CA.**, 2012. Variation in dry matter and nitrogen accumulation and remobilization in barley as affected by fertilization, cultivar, and source-sink relations. *European Journal of Agronomy* 37, 31– 42.
37. **C. A. Dordas** Vlachostergios D. N., A. S. Lithourgidis 2012. Growth dynamics and agronomic-economic benefits of pea-oat and pea-barley intercrops. *Crop and Pasture Science* 63, 45 - 52.
38. Vlachostergios D. N., A. S. Lithourgidis , **C. A. Dordas**, D. Baxevanos. 2011. Advantages of mixing common vetch cultivars developed from conventional breeding programs when grown under low-input farming system. *Crop science* 51: 1274-1281.
39. **Dordas CA.**, A. S. Lithourgidis 2011 Growth, yield and nitrogen performance of faba bean intercrops with oat and triticale at varying seeding ratios. *Grass and Forage Science* 66, 569–577.
40. ~~**Dordas CA.**, 2012. Variation in dry matter and nitrogen accumulation and remobilization in barley as affected by fertilization, cultivar, and source-sink relations. *European Journal of Agronomy* 37, 31– 42.~~
41. **Dordas C. A.**, Vlachostergios D. N., A. S. Lithourgidis 2012. Growth dynamics and agronomic-economic benefits of pea-oat and pea-barley intercrops. *Crop and Pasture Science* 63, 45 - 52.
42. **Dordas C.A.** 2012. Nitrogen and dry matter dynamics in linseed as affected by the nitrogen level and genotype in a Mediterranean environment. *Biomass and bioenergy* 43, 1-11.
43. Hamid Madani H., **Dordas C**, Madani A., Mohammad-Ali Motasharei M-A., Shima Farri S., 2012. Interactive Effects of Sowing Date and Planting Density on Dry Matter Accumulation and Partitioning of Chicory. *Not Bot Horti Agrobo*, 40(1):183-187.
44. Ninou, E., J. T. Tsialtas, **C. A. Dordas**, D. K. Papakosta 2012. Effect of irrigation on leaf and gas exchange physiology, seed yield and quality of dwarf dry bean (*Phaseolus vulgaris* L.) grown under Mediterranean conditions. *Agricultural Water Management* 116: 235-241.
45. Ninou, EG, Mylonas, IG, Tselikas, A, Ralli, P, **Dordas, C**, Tokatlidis, IS. 2014. Wheat Landraces Are Better Qualified as Potential Gene Pools at Ultraspaced rather than Densely Grown Conditions. *Scientific World Journal* DOI: 10.1155/2014/957472. Article Number: 957472.
46. Tokatlidis I., **C. Dordas**, F. Papathanasiou, I. Papadopoulos, C. Pankou, F. Gekas, E. Ninou, I. Mylonas, C. Tzantarmas, J.K. Petrevska, A. Kargiotidou, I. Sistanis and A. Lithourgidis. 2015. Improved plant yield efficiency is essential for maize rainfed production. *Agronomy Journal* 107:1011–1018.
47. Vlachostergios D.N., **C.A. Dordas** and A.S. Lithourgidis 2015. Forage yield, protein concentration and interspecific competition in red pea-cereal intercrops. *Experimental Agriculture*, 51(4): 635-650.
48. **Dordas C.** 2017. Chlorophyll meter readings, N leaf concentration and their relationship with N use efficiency in oregano. *Journal of Plant Nutrition* 40(3), 391–403

49. **Dordas C.** 2017 Nitrogen Nutrition Index and Leaf Chlorophyll Concentration and its relationship with Nitrogen Use Efficiency in Barley (*Hordeum vulgare* L.). Journal of Plant Nutrition 40:1190–1203.
50. Baxevanos, D., I.T. Tsialtas, D.N. Vlachostergios, I. Hadjigeorgiou, **C. Dordas** and A. Lithourgidis. 2017. Cultivar competitiveness in pea-oat intercrops under Mediterranean conditions. Field Crops Research 214: 94-103.
51. Vlachostergios D.N., A. Lithourgidis, **C. Dordas** 2018. Agronomic, forage quality and economic advantages of red pea (*Lathyrus cicera* L.) intercropping with wheat and oat under low-input farming. Grass and Forage Science 73(3): 777-788.
52. Tsialtas I.T., D. Baxevanos, D.N. Vlachostergios **C. Dordas** and A. Lithourgidis 2018. Cultivar complementarity for symbiotic nitrogen fixation and water use efficiency in pea-oat intercrops and its effect on forage yield and quality. Field Crops Research 226: 28-37.
53. **Dordas C.**, Papathanasiou F., Lithourgidis A., Petrevska J-K., Papadopoulos I., Pankou C., Gekas F., Ninou E., Mylonas I., Sistanis I., Tzantarmas C., Kargiotidou A., Tokatlidis IS. 2018 Evaluation of physiological characteristics as selection criteria for drought tolerance in maize inbred lines and their hybrids. Maydica 63(2) Article Number: M13.
54. Koutsos, T.M., Menexes, G.C., **Dordas, C.A.** 2019. An efficient framework for conducting systematic literature reviews in agricultural sciences. SCIENCE OF THE TOTAL ENVIRONMENT Volume: 682 Pages: 106-117.
55. Galanopoulou, K., Lithourgidis, A., **Dordas, C.A.** 2019. Intercropping of Faba Bean with Barley at Various Spatial Arrangements Affects Dry Matter and N Yield, Nitrogen Nutrition Index, and Interspecific Competition. NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ-NAPOCA, V: 47(4): 1116-1127
56. Kalamartzis I., **C. Dordas**, P. Georgiou, G. Menexes. 2020. The Use of Appropriate Cultivar of Basil (*Ocimum basilicum*) Can Increase Water Use Efficiency under Water Stress. 10(1), 70.
57. Kalamartzis, I., Menexes, G., Georgiou, P., **Dordas, C.** 2020. Effect of Water Stress on the Physiological Characteristics of Five Basil (*Ocimum basilicum* L.) Cultivars. Agronomy-Basel, 10(7) article Number: 1029.
58. Stomph, T., **Dordas, C.**, Baranger, A., Bedoussac, L., de Rijk, J., Dong, B., Evers, J., Gu, C., Li, L., Simon, J., Steen Jensen, E., Wang, Q., Wang, Y., Wang, Z., Xu, H., Zhang, C., Zhang, L., Zhang, W.-P., van der Werf W. 2020 Designing intercrops for high yield, yield stability and efficient use of resources: are there principles? Advances in Agronomy, 160, 1–50.
59. Mylonas, I., Sinapidou, E., Remountakis, E., Sistanis, I., Pankou, C., Ninou, E., Papadopoulos, I., Papathanasiou, F., Lithourgidis, A., Gekas, F., **Dordas, C.**, Tzantarmas, C., Kargiotidou, A., Tokamani, M., Sandaltzopoulos, R., Tokatlidis, IS. 2020. Improved plant yield efficiency alleviates the erratic optimum density in maize. Agronomy Journal 112: 1690-1701.
60. Pankou, C; Lithourgidis, A; **Dordas, C.** 2020. Interaction of cultivar and irrigation on mixtures of wheat (*Triticum aestivum* L.) with pea (*Pisum sativum* L.). NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ-NAPOCA 49, 4, 12488.
61. Justes, E; Bedoussac, L; **Dordas, C**; Frak, E; Louarn, G; Boudsocq, S; Journet, EP; Lithourgidis, A; Pankou, C; Zhang, CC; Carlsson, G; Jensen, ES; Watson, C; Li, L. 2021. The 4C approach as a way to understand species interactions determining intercropping productivity. FRONTIERS OF AGRICULTURAL SCIENCE AND ENGINEERING. 8, 3.

62. Vlachostergios, DN; Noulas, C; Kargiotidou, A; Baxevas, D; Tigka, E; Pankou, C; Kostoula, S; Beslemes, D; Irakli, M; Tziouvalekas, M; Lithourgidis, A; Tokatlidis, I; Dordas, C; Mavromatis, A. 2021. Identification of the Optimum Environments for the High Yield and Quality Traits of Lentil Genotypes Evaluated in Multi-Location Trials. SUSTAINABILITY, 13, 15.
63. Papastylianou, P; Vlachostergios, DN; Dordas, C; Tigka, E; Papakaloudis, P; Kargiotidou, A; Pratsinakis, E; Koskosidis, A; Pankou, C; Kousta, A; Mylonas, I; Tani, E; Abraham, EM; Karatassiou, M; Kostoula, S 2021. Genotype X Environment Interaction Analysis of Faba Bean (*Vicia faba* L.) for Biomass and Seed Yield across Different Environments, SUSTAINABILITY, 13, 5.
64. Pankou, C; Lithourgidis, A; Dordas, C. 2021. Effect of Irrigation on Intercropping Systems of Wheat (*Triticum aestivum* L.) with Pea (*Pisum sativum* L.), AGRONOMY-BASEL, 11, 2.
65. Vasilakoglou, Ioannis, Kico Dhima, Anastasia Giannakoula, Christos Dordas, Vasiliki Skiada, and Kalliope Papadopoulou. 2021. "Carbon Assimilation, Isotope Discrimination, Proline and Lipid Peroxidation Contribution to Barley (*Hordeum vulgare*) Salinity Tolerance" Plants 10, no. 2: 299. <https://doi.org/10.3390/plants10020299>
65. Laskari, M; Menexes, G; Kalfas, I; Gatzolis, I; Dordas, C. 2022. Water Stress Effects on the Morphological, Physiological Characteristics of Maize (*Zea mays* L.), and on Environmental Cost. AGRONOMY-BASEL 12, 10, 2386
66. Laskari, M; Menexes, GC; Kalfas, I; Gatzolis, I; **Dordas, C** 2022. Effects of Fertilization on Morphological and Physiological Characteristics and Environmental Cost of Maize (*Zea mays* L.). SUSTAINABILITY, 14, 14, 8866.
67. Pankou, C; Lithourgidis, A; Menexes, G; **Dordas, C** 2022. Importance of Selection of Cultivars in Wheat-Pea Intercropping Systems for High Productivity. AGRONOMY-BASEL, 12, 10, 2367
68. Parissi, Z; Irakli, M; Tigka, E; Papastylianou, P; **Dordas, C**; Tani, E; Abraham, EM; Theodoropoulos, A; Kargiotidou, A; Kougiteas, L; Kousta, A; Koskosidis, A; Kostoula, S; Beslemes, D; Vlachostergios, DN 2022. Analysis of Genotypic and Environmental Effects on Biomass Yield, Nutritional and Antinutritional Factors in Common Vetch. AGRONOMY-BASEL, 2022, 12, 7, 1678.
69. Salembier C., A.K. Aare, L. Bedoussac, I. Raj Chongtham, A. de Buck, N.R. Dhamala, C. Dordas, M. Renate Finckh, H. Hauggaard-Nielsen, M. Krysztoforski, S. Lund, B. Luske, B. Pinel, J. Timaeus, C. Virto, R. Walker, M. Wendling, M.-H. Jeuffroy, 2023. Exploring the inner workings of design-support experiments: Lessons from 11 multi-actor experimental networks for intercrop design, European Journal of Agronomy, Volume 144, 126729,
70. Kalamartzis, I., Menexes, G., Dordas, C. 2023. Effect of Low Water Availability on Seed Yield and Seed Quality of Basil (*Ocimum basilicum*). Plants 2023, 12(5), 1094.
71. Kalamartzis, Iakovos, Paschalis Papakaloudis, and Christos Dordas. 2023. "Basil (*Ocimum basilicum*) Landraces Can Be Used in a Water-Limited Environment" *Plants* 12, no. 13: 2425. <https://doi.org/10.3390/plants12132425>
72. Dordas, Christos. 2023. "Alternative Cropping Systems for Climate Change" *Agronomy* 13, no. 4: 1131. <https://doi.org/10.3390/agronomy13041131>

Publications in peer reviewed journals (not in SCI)

1. Gekas F., C. Pankou, I. Mylonas, E. Ninou, E. Sinapidou, A. Lithourgidis, F. Papathanasiou, J.K. Petrevska, F. Papadopoulou, P. Zouliamis, G. Tsaprounis, I. Tokatlidis, and **C. Dordas** 2013. The use of chlorophyll meter readings for the selection of maize inbred lines under drought stress. World Academy of Science, Engineering and Technology International Journal of Biological, Food, Veterinary and Agricultural Engineering 7(8): 472-476.
2. Pratsinakis D.E., Ntoanidou S., Polidoros A., **Dordas C.**, Madesis P., Eleftherohorinos I., Menexes G. (2018) 'Comparison of hierarchical clustering methods for binary data from molecular markers', International Journal of Data Analysis Techniques and Strategies Jan 2020, Vol. 12, Issue 3, pp. 190-212
3. Kalamartzis, I., Ralli, P., **Dordas, C.** 2020 Tolerance of landraces of basil (*Ocimum basilicum*) to water stress under Mediterranean conditions. International Journal of Innovations in Engineering and Technology, 14(2),

Book chapters.

1. Brown PH., **Dordas C.**, Zheng Q. 2001 Mobility of micronutrients and heavy metals in plants. In Micronutrients and Toxic metals in Agriculture. University of Sao Paulo Press p.43-61.
2. **Dordas C** and Hill RD 2006. Plant hemoglobins and nitric oxide in acclimation to hypoxic stress. NATO science series. Cell Biology and Instrumentation: UV Radiation, Nitric oxide and cell death in plants. Eds. Y. Blume, DJ Durzan, P. Smertenko. IOS Press. Series I: Live and Behavioural Sciences-Vol. 371. p. 218-226.
3. **Dordas C.** 2015. Nitric Oxide and Plant Hemoglobins Improve the Tolerance of Plants to Hypoxia, Springer International Publishing Switzerland 2015 M.N. Khan et al. (eds.), Nitric Oxide Action in Abiotic Stress Responses in Plants, DOI 10.1007/978-3-319-17804-2_7.
4. **Dordas C.** 2015. Nutrient Management Perspectives in Conservation Agriculture. Springer International Publishing Switzerland 2015 Farqood M., KHM Siddique (eds) Conservation Agriculture, DOI 10.1007/978-3-319-11620-4_4. pp79-107.

Publications presented in international meetings

1. **Dordas C.**, Barrieu F., Deamer D.W., Chrispeels M.J., Brown P.H. 1999. A Permeability of boric acid through artificial and plant membranes. In Plant Biology 1999 Annual meeting of the American Society of Plant Biologists (Abstract no 768). Plant Physiology S161-162
2. **Dordas C**, Bexant T, Rivoal J, Hill RD 2001. Expression of nonsymbiotic hemoglobin effects tolerance of alfalfa to hypoxia. In Plant Biology 2001 Annual meeting of the American Society of Plant Biologists (Abstract no 356.). Plant Physiology 126S: 87
3. **Dordas C.** and Brown P.H. 2001. Permeability and channel mediated transport of boric acid across plant membranes. An explanation for differential B uptake in plants. In Boron in Plant and Animal Nutrition eds H. E. Goldbach, B. Rerkasem, M. A. Wimmer, P. H. Brown, M. Thellier, R. W. Bell. Kluwer Academic Publisher p.34-35.
4. **Dordas C.** and Brown P.H. 2001. Permeability and channel mediated transport of boric acid across plant membranes. An explanation for differential B uptake in plants. XIV International Plant Nutrition Colloquium in Hannover, Germany, July 28 - August 03, 2001.

In Eds W. J. Horst, M. K. Schenk, A. Burkert, N. Claasen, H. Flessa, W. B. Frommer, H. Goldbach, H-W Olf, V. Romheld, B. Sattelmacher, U. Schmidhalter, S. Schubert, N. von Wiren, and L. Wittenmayer. pp.190-191. *Developments in plant and Soil Sciences Vol. 92*. Kluwer Academic Publishers, Dordrecht, The Netherlands.

5. Baron, K., **C. Dordas** and R.D. Hill. 2003. Expression of non-symbiotic barley hemoglobin alters the phenotype of transgenic alfalfa. Annual meeting of The Canadian Society of Plant Physiologists Concordia University, Montreal, Canada, December 12-13, 2003.

6. **Dordas C.** 2004. Foliar Boron application improves seed set and seed yield of alfalfa (*Medicago sativa* L.). Proceedings VIII ESA Congress 11-15 July 2004, Copenhagen, Denmark. pp. 79-80.

7. **Dordas C.** B.B. Hasinoff, J. Rivoal and RD Hill 2004. Expression of plant hemoglobin affects the root growth of alfalfa (*Medicago sativa*) to hypoxic conditions. Proceedings VIII ESA Congress 11-15 July 2004, Copenhagen, Denmark. pp. 81-82.

8. **Dordas C.**, B.B. Hasinoff, J. Rivoal and R.D. Hill. 2004. Production of nitric oxide and reactions with plant hemoglobins under hypoxic stress. Proceedings Cell Biology and Instrumentation: UV Radiation, Nitric oxide and cell death in plants. Yalta, Ukraine, September 8 - 11, 2004. (<http://www.biomedcentral.com/1471-2229/5/S1/S11>).

9. **Dordas C.** and RD Hill 2005. Nitric oxide scavenging by plant hemoglobins. Proceedings Society of Experimental Biology, July 11-15, 2005, Barcelona, Spain.

10. Lithourgidis A.S., K.V. Dhima, I.B. Vasilakoglou, **C.A. Dordas**. 2006. Protein yield advantage of common vetch and cereal intercrops over sole crops. Proceedings IX ESA Congress 4-7 September 2006, Warszawa, Poland. Bibliotheca Fragmenta Agronomica, pp. 551-552.

11. **Dordas C.**, Lithourgidis A.S. Matsi T., Barbayiannis N. 2006 Application of manure and inorganic fertilizers affect grain yield of maize. Proceedings IX ESA Congress 4-7 September 2006, Warszawa, Poland. Bibliotheca Fragmenta Agronomica, pp. 87-88.

12. Simoglou KB, **Dordas C.** 2006. Effect of foliar application of B, Zn, and Mn can delay the development of tan spot in winter durum wheat. Proceedings IX ESA Congress 4-7 September 2006, Warszawa, Poland. Bibliotheca Fragmenta Agronomica, pp. 231-232.

13. Ninou E.G., **Dordas CA**, Papakosta DK. 2006. Biomass and nitrogen distribution in four bean (*Phaseolus vulgaris* L.) cultivars. Proceedings IX ESA Congress 4-7 September 2006, Warszawa, Poland. Bibliotheca Fragmenta Agronomica, pp. 185-186.

14. Simoglou, B.K. and **C. Dordas**. 2006. Effect of Foliar Applied Boron, Manganese and Zinc on Tan Spot in Winter Durum Wheat. Proceedings of the 12th Congress of Mediterranean Phytopathological Union, p. 378. 11-15 June 2006. Rhodes Island Hellas.

15. Tziros GT, AL Lagopodi, K. Tzavella-Klonari and **C. Dordas** 2005. Balanced nutrition improves biocontrol of fusarium wilt of water melon (*Citrullus lanatus*) by *Pseudomonas chlororaphis* PCL 1391. Proceedings of the International Symposium on: Organic Agriculture in the Mediterranean: problems and perspectives, Chania, Crete, Greece, November 9-11, 2005.

16. Bardas GA, GT Tziros, **C Dordas**, AL Lagopodi, K. Tzavella-Klonari 2006. Effect of two *Pseudomonas* strains and *Trichoderma koningii* on eggplant growth and disease severity caused by *Verticillium* wilt. Proceedings of the 12th Congress of Mediterranean Phytopathological Union, p. 438-439. 11-15 June 2006. Rhodes Island Hellas.

17. Tziros GT, **C. Dordas**, K. Tzavella-Klonari and AL Lagopodi 2006. Effect of two *Pseudomonas* strains and *Fusarium* wilt of watermelon under different nitrogen nutrition levels. Proceedings of the 12th Congress of Mediterranean Phytopathological Union, p. 585-587 . 11-15 June 2006. Rhodes Island Hellas.
18. **Dordas C.**, C. Sioulas 2007. Nitrogen fertilization affects yield, biomass partitioning, nitrogen accumulation, photosynthesis, and water use efficiency of safflower. 15th N Workshop, 28-30 May 2007, Lleida, Spain.
19. **Dordas C.** 2007. Nitrogen fertilization influences yield, physiology and N use efficiency in flax (*Linum usitatissimum* L.). 15th N Workshop, 28-30 May 2007, Lleida, Spain
20. Lithourgidis A.S., **Dordas C.A.**, Lazaridou T.B., Papadopoulos I.I. 2008. Silage Yield and Protein Content of Common Bean Intercropped with Corn in Two Row-Replacements. Proceedings 10th ESA Congress 15-19 September 2008, Bologna, Italy, Italian Journal of Agronomy, pp. 217-218.
21. Morakis G., Eleftheriadou E., Karamanoli K., **Dordas C.**, Bosabalidis A., Radoglou K., Constantinidou H.I.A. Nitrogen Fertilization of Basil: Effects on Physiology, Oil Gland Morphology and on Essential Oils. Proceedings 10th ESA Congress 15-19 September 2008, Bologna, Italy, Italian Journal of Agronomy, pp. 459-460.
22. Tsirikionis G., **Dordas C.**, Lithourgidis A. 2008. Time of Sowing Affects Growth, Development, and Seed Yield of Oil Seed Rape. Proceedings 10th ESA Congress 15-19 September 2008, Bologna, Italy, Italian Journal of Agronomy, pp. 721-722.
23. Vasiliadou S, **Dordas C.** 2008 Effect of Cadmium on Plant Growth, Dry Matter Accumulation, Cd, and Zn Uptake of Different Tobacco Cultivars (*Nicotiana tabacum* L.). Proceedings 10th ESA Congress 15-19 September 2008, Bologna, Italy, Italian Journal of Agronomy, pp. 185-186.
24. **Dordas C.** 2008. Application of Calcium and Magnesium Improves Yield and Essential Oil Yield of Oregano (*Origanum vulgare* ssp. *hirtum*). Proceedings 10th ESA Congress 15-19 September 2008, Bologna, Italy, Italian Journal of Agronomy, pp. 417-418.
25. **Dordas C.** 2009. Cytokinin and ethylene affect dry matter accumulation, Nitrogen uptake, retranslocation and efficiency in barley. 16th N Workshop, Turin, Italy, June 28- July 1.
26. Ralli, P. and **C. Dordas**. 2010. Research study for in situ conservation of *Crocus cartwrightianus* in Cyclades islands and Crete. POSTER. Symposium "Towards the establishment of genetic reserve for crop wild relatives and landraces in Europe". University of Madeira, Funchal (Portugal), 13-16 September 2010.
27. Gekas F., C. Pankou, I. Mylonas, E. Ninou, E. Sinapidou, A. Lithourgidis, P. Papathanasiou, J.K. Petrevska, F. Papadopoulou, P. Zouliamis, G. Tsaprounis, I. Tokatlidis, and **C. Dordas**. 2013. The use of chlorophyll meter readings for the selection of maize inbred lines under drought stress. ICABBBE 2013: International Conference on Agricultural, Biotechnology, Biological and Biosystems Engineering. France, Paris. August 29-30, 2013.
28. Ninou E., I. Papadopoulos, A. Kargiotidou, F. Gekas, P. Zouliamis, E. Sinapidou, **C. Dordas**, I. Tokatlidis. 2013. Ultra-spaced maize inbreds: over-location and water regime Gx E interaction. 2nd Conference for Cereal Biotechnology and Breeding, Budapest 04-08 Νοεμβρίου 2013.
29. Ninou E., I. Mylonas, F. Gekas, C. Pankou, A. Lithourgidis, P. Papathanasiou, J. K. Petrevska, I. Papadopoulos, P. Zouliamis, G. Tsaprounis, I. Tokatlidis, **C. Dordas** 2013.

Evaluation of maize inbred lines for tolerance to drought using physiological characteristics. 2nd Conference for Cereal Biotechnology and Breeding, Budapest 04-08 November 2013.

30. Gekas F., I. Mylonas, E. Ninou, C. Pankou, A. Lithourgidis, J. K. Petrevska, F. Papadopoulou, P. Zouliamis, G. Tsaprounis, P. Papathanasiou, I. Tokatlidis, **C. Dordas**. The use of relevant water contact and leaf water potential for the selection of maize inbred 2013. lines under drought stress. International Plant Breeding Congress, Antalya 10-15 November 2013.

31. Gaintatzi C., C. Pankou, F. Gekas, I. Mylonas, C. Tzantarmas, A. Kargiotidou, E. Pehlivanidou, E. Ninou, I. Papadopoulos, G. Tsaprounis, P. Zouliamis, P. Papathanasiou, **C. Dordas**, I. S. Tokatlidis 2013. Space-planted rather than densely seeded condition predicts better crop yield of genetically homogeneous maize lines. International Plant Breeding Congress, Antalya 10-15 November 2013.

32. Pankou C., F. Gekas, I. Mylonas, E. Ninou, A. Lithourgidis, J.K. Petrevska, F. Papadopoulou, P. Zouliamis, G. Tsaprounis, P. Papathanasiou, I. Tokatlidis, **C. Dordas**. 2013. Evaluation of selection criteria for assessing drought stress tolerance of thirty maize inbred lines. International Plant Breeding Congress, Antalya 10-15 November 2013.

33. Ralli, P. and **Dordas, C.** 2013. Characterization of different wild crocus species from areas of Cyclades and Crete Islands. 2nd Interim Meeting COST Action FA 1101, Saffronomics, 30 May – 1 June 2013, Chania, Greece. Book of abstracts.

34. **Dordas C.**, F. Gekas, C. Pankou, I. Mylonas, E. Ninou, E. Sinapidou, A. Lithourgidis, F. Papathanasiou, J.-Katarzyna Petrevska, I. Papadopoulos, P. Zouliamis, G. Tsaprounis, I. Tokatlidis 2014. Evaluation of physiological and agronomic characteristics as breeding tools for drought tolerance of maize. Genetic Resources for Food and Agriculture in a Changing Climate, Lillehammer, Norway, 27-29 Νοεμβρίου 2014.

35. Sandaltzopoulos R., Tokamani M., Karapetsas A., Sinapidou E., **C. Dordas**, F. Papathanasiou, and Tokatlidis I. 2014. Ptila overexpression correlates with increased adaptability of maize in drought tolerance. Genetic Resources for Food and Agriculture in a Changing Climate, Lillehammer, Norway, 27-29 Νοεμβρίου 2014.

36. Gaintatzi C., F. Papathanasiou, R. Sandaltzopoulos, C. Tzantarmas, C. Pankou, F. Gekas, I. Mylonas, A. Kargiotidou, E. Pehlivanidou, I. Sistanis, Jovanka-Katarzyna Petrevska, E. Ninou, I. Papadopoulos, A. Lithourgidis, **C. Dordas**, I. Tokatlidis 2014. Plant yield efficiency is essential for maize hybrids to cope with drought. AGRIBALKAN / BALKAN AGRICULTURAL CONGRESS, Edirne, Turkey, 8-11 September 2014.

37. Papathanasiou F., C. Tzantarmas, E. Ninou, C. Gaintatzi, C. Pankou, F. Gekas, I. Mylonas, A. Kargiotidou, E. Pehlivanidou, I. Papadopoulos, I. Sistanis, **C. Dordas**, I. Tokatlidis 2014. Space-planted condition abates the GxE interaction in maize inbred lines and hybrids. Grand Challenges Great Solutions (ASA, CSSA, SSSA, International Annual Meeting, Nov. 2-5, 2014, Long Beach, CA, USA).

38. Papathanasiou F, **C. Dordas**, F. Gekas, C. Pankou, E. Ninou, I. Mylonas, K. Tsantarmas, I. Sistanis, E. Sinapidou, A. Lithourgidis, J.-Katarzyna Petrevska, I. Papadopoulos, P. Zouliamis, A. Kargiotidou, I. Tokatlidis 2015. The use of stress tolerance indices for the selection of tolerant inbred lines and their correspondent hybrids under normal and water-stress conditions. Agriculture and Climate Change-Adapting Crops to Increased Uncertainty, Amsterdam, the Netherlands, 15-17 February 2015. *Procedia Environmental Sciences* 29: 274 – 275.

39. **Dordas C.**, F. Gekas, C. Pankou, E. Ninou, I. Mylonas, K. Tsantarmas, E. Sinapidou, A. Lithourgidis, I. Sistanis, J.-Katarzyna Petrevska, I. Papadopoulos, P. Zouliamis, A. Kargiotidou, F. Papathanasiou, I. Tokatlidis 2015 Selection of inbred lines and their correspondent hybrids under ultra-spaced and highly dense at normal and water-stress conditions. Agriculture and Climate Change-Adapting Crops to Increased Uncertainty, Amsterdam, the Netherlands, 15-17 February 2015. Procedia Environmental Sciences 29:270 – 271
40. **Dordas C. K.** Dhima, I. Vasilakoglou, K. Paschalidis, V. Skiada 2015. Evaluation of barley cultivars for their tolerance to salinity under field conditions for utilization to saline soils. Agriculture and Climate Change-Adapting Crops to Increased Uncertainty, Amsterdam, the Netherlands, 15-17 February 2015. Procedia Environmental Sciences 29: 270 – 271.
41. Sandaltzopoulos R. M. Tokamani, A. Karapetsas, E. Sinapidou, **C. Dordas**, F. Papathanasiou, I. Tokatlidis 2015. Zmpt1c overexpression correlates with increased adaptability of maize in low irrigation conditions. Conference: European Biotechnology Congress Location: Bucharest, ROMANIA Date: MAY 07-09, 2015. Abstracts / Journal of Biotechnology 208: S5–S120.
42. Τοκαμάνη Φ., Α. Καραπέτσας, Ε. Σιναπίδου, **Χ. Δόρδας**, Φ. Παπαθανασίου, Ι. Τοκατλίδης, Ρ. Σανδαλτσόπουλος 2014. Η υπερέκφραση της κίναςης Zmpt1c συσχετίζεται με την αυξημένη προσαρμοστικότητα του αραβόσιτου σε συνθήκες ξηρασίας. Πρακτικά 36^{ου} Επιστημονικού Συνεδρίου της Ελληνικής Εταιρείας Βιολογικών Επιστημών Ιωάννινα, 8-10 Μαΐου 2014. Σελ. 350.
43. 33. Γκέκας Φ., Χ. Πάνκου, Ι. Μυλωνάς, Ε. Νίνου, Α. Λιθουργίδης, Κ. Τζανταρμάς, Ε. Σιναπίδου, Φ. Παπαθανασίου, Φ. Παπαδοπούλου, Π. Ζουλιάμης, Ι. Τοκατλίδης, **Χ. Δόρδας** 2014. Χρήση φυσιολογικών γνωρισμάτων στην αξιολόγηση καθαρών σειρών και υβριδίων καλαμποκιού σε διάφορα επίπεδα άρδευσης. 15ο Πανελλήνιο Συνέδριο Ελληνικής Επιστημονικής Εταιρείας Γενετικής Βελτίωσης Φυτών (Εγχώριο Γενετικό Υλικό, Μοχλός Ανάπτυξης σε ένα Κλιματικά Μεταβαλλόμενο Περιβάλλον) 15-17 Οκτωβρίου 2014, Λάρισα.
44. Papathanasiou F., C. Tzantarmas, E. Ninou, C. Gaintatzi, C. Pankou, F. Gekas, I. Mylonas, A. Kargiotidou, E. Pechlivanidou, I. Papadopoulos, I. Sistanis, C. Dordas, I. Tokatlidis 2014. SPACE-PLANTED CONDITION ABATES THE GXE INTERACTION IN MAIZE INBRED LINES AND HYBRIDS. Grand Challenges Great Solutions (ASA, CSSA, SSSA, International Annual Meeting, Nov. 2-5, 2014, Long Beach, CA, USA)
45. Ραλλη Π., Κ. Κρομμύδας, Ρ. Μαδέσης, **Χ. Δόρδας**, Ε. Grecova, S. Slikova, Α. Τσιβελίκας, Κ. Μπλαδενόπουλος, Ρ. Hauptvogel. 2014. Διερεύνηση γενετικού αποθέματος αγρωστωδών για τη βελτίωση των αγροκομικών χαρακτηριστικών σιτηρών. 15ο Πανελλήνιο Συνέδριο Ελληνικής Επιστημονικής Εταιρείας Γενετικής Βελτίωσης Φυτών (Εγχώριο Γενετικό Υλικό, Μοχλός Ανάπτυξης σε ένα Κλιματικά Μεταβαλλόμενο Περιβάλλον) 15-17 Οκτωβρίου 2014, Λάρισα.
46. Βασιλάκογλου Ι., Κ. Πασχαλίδης, Κ. Δήμας, **Χ. Δόρδας**, Η. Ηλίας, Ν. Καραγιαννίδης, Θ. Γάτσης, Α. Γιαννακούλα, Γ. Τάνου, Β. Σκιαδά 2014. Αξιολόγηση αντοχής σε αλατότητα και περιορισμένη υγρασία παλαιού και σπάνιου γενετικού υλικού κριθαριού 2014. 15^ο Πανελλήνιο Συνέδριο Ελληνικής Επιστημονικής Εταιρείας Γενετικής Βελτίωσης Φυτών (Εγχώριο Γενετικό Υλικό, Μοχλός Ανάπτυξης σε ένα Κλιματικά Μεταβαλλόμενο Περιβάλλον) 15-17 Οκτωβρίου 2014, Λάρισα.
47. Τάνου Γ., Κ. Δήμας, Ι. Βασιλάκογλου, Κ. Πασχαλίδης, **Χ. Δόρδας**, Η. Ηλίας, Ν. Καραγιαννίδης, Θ. Γάτσης, Α. Γιαννακούλα, Β. Σκιαδά. 2014 Πρωτομική ανάλυση δύο

- ποικιλιών κριθαριού με διαφορετική αντοχή στην αλατότητα. 15^ο Πανελλήνιο Συνέδριο Ελληνικής Επιστημονικής Εταιρείας Γενετικής Βελτίωσης Φυτών (Εγχώριο Γενετικό Υλικό, Μοχλός Ανάπτυξης σε ένα Κλιματικά Μεταβαλλόμενο Περιβάλλον) 15-17 Οκτωβρίου 2014, Λάρισα.
48. Δήμας Κ., Ι. Βασιλάκογλου, Κ. Πασχαλίδης, **Χ. Δόρδας**, Η. Ηλίας, Ν. Καραγιαννίδης, Γατσής, Α. Γιαννακούλα, Τάνου Γ, Β. Σκιαδά, 2014. Αξιολόγηση αντοχής ποικιλιών κριθαριού στην αλατότητα του εδάφους με σκοπό την αξιοποίηση προβληματικών γεωργικών περιοχών 2014. 15^ο Πανελλήνιο Συνέδριο Ελληνικής Επιστημονικής Εταιρείας Γενετικής Βελτίωσης Φυτών (Εγχώριο Γενετικό Υλικό, Μοχλός Ανάπτυξης σε ένα Κλιματικά Μεταβαλλόμενο Περιβάλλον) 15-17 Οκτωβρίου 2014, Λάρισα.
49. Ράλλη Π., Ι. Ναβροζίδης, Δ. Παρίντα, Β. Μπαλατσούκα, Ρ. Αναστασιάδης, Δ. Γίγη, Γ.Α. Χριστοδούλου, **Χ. Δόρδας**. 2014. Επίδραση της απόστασης φύτευσης και του μεγέθους των κορμών στην απόδοση του καλλιεργούμενου κρόκου. 15^ο Πανελλήνιο Συνέδριο Ελληνικής Επιστημονικής Εταιρείας Γενετικής Βελτίωσης Φυτών (Εγχώριο Γενετικό Υλικό, Μοχλός Ανάπτυξης σε ένα Κλιματικά Μεταβαλλόμενο Περιβάλλον) 15-17 Οκτωβρίου 2014, Λάρισα.
50. Φυντανής Α., Ε. Κραβαρίτου, Α. Μαυρομάτης, Θ. Γέμπτος, Ρ. Στεφανίδου, **Χ. Δόρδας**, Α. Λιθουργίδης 2014. Επίδραση της απευθείας σποράς στην πληθυσμό των ζιζανίων και στα αγρονομικά χαρακτηριστικά καλαμποκιού, σόργου και σόγιας. 15^ο Πανελλήνιο Συνέδριο Ελληνικής Επιστημονικής Εταιρείας Γενετικής Βελτίωσης Φυτών (Εγχώριο Γενετικό Υλικό, Μοχλός Ανάπτυξης σε ένα Κλιματικά Μεταβαλλόμενο Περιβάλλον) 15-17 Οκτωβρίου 2014, Λάρισα.
51. Karagiannioy I., C. Dordas 2016. Evaluation of basil genotypes using physiological and agronomic characteristics. In NAROSSA® 2016, 13-6-2016, in Magdeburg, International Conference for renewable resources and plant biotechnology.
52. Μενεξές Γ., **Χ. Δόρδας**, Η. Ελευθεροχωρινός 2016. Ομαδοποίηση μέσων όρων με τη μέθοδο “SCOTT & KNOTT” 16^ο Πανελλήνιο Συνέδριο Ελληνικής Επιστημονικής Εταιρείας Γενετικής Βελτίωσης Φυτών (Η συμβολή της βελτίωσης των φυτών στην έξοδο από την οικονομική κρίση) 28-30 Σεπτεμβρίου Οκτωβρίου 2016, Φλώρινα.
53. **Δόρδας Χ.**, Φ. Παπαθανασίου, Α. Λιθουργίδης, J-K. Retrevska, Ι. Παπαδόπουλος, Ι. Σιστάνης, Χ. Πάνκου, Φ. Γκέκας, Ε. Νίνου, Ι. Μυλωνάς, Κ. Τζανταρμάς, Α. Καργιωτίδου, Ι. Τοκατλίδης 2016. Επίδραση της πυκνότητας σποράς στη χρήση φυσιολογικών παραμέτρων ως κριτήρια επιλογής για αντοχή στην ξηρασία καθαρών σειρών και υβριδίων αραβοσίτου. 16^ο Πανελλήνιο Συνέδριο Ελληνικής Επιστημονικής Εταιρείας Γενετικής Βελτίωσης Φυτών (Η συμβολή της βελτίωσης των φυτών στην έξοδο από την οικονομική κρίση) 28-30 Σεπτεμβρίου Οκτωβρίου 2016, Φλώρινα.
54. Καλαμαρτζής Ι., **Χ. Δόρδας**, Π. Γεωργίου, Γ. Μενεξές 2016. Επίδραση της διαθεσιμότητας του νερού στα αγροκομικά, φυσιολογικά χαρακτηριστικά και στην περιεκτικότητα σε αιθέρια έλαια ποικιλιών βασιλικού (*Ocimum basilicum*). 16^ο Πανελλήνιο Συνέδριο Ελληνικής Επιστημονικής Εταιρείας Γενετικής Βελτίωσης Φυτών (Η συμβολή της βελτίωσης των φυτών στην έξοδο από την οικονομική κρίση) 28-30 Σεπτεμβρίου Οκτωβρίου 2016, Φλώρινα.
55. Ράλλη Π., Δ. Ζυμαράς, Κ. Αλμπανίδης, Κ. Παπανικολάου, Χ. Ταμπουρατζής, Γ. Μενεξές, **Χ. Δόρδας** 2016. Επίδραση του μεγέθους του κορμού και της πυκνότητας φύτευσης στην απόδοση της καλλιέργειας του κρόκου και μελέτη της διακύμανσης της ανθοφορίας. 16^ο Πανελλήνιο Συνέδριο Ελληνικής Επιστημονικής Εταιρείας Γενετικής Βελτίωσης Φυτών (Η

συμβολή της βελτίωσης των φυτών στην έξοδο από την οικονομική κρίση) 28-30 Σεπτεμβρίου Οκτωβρίου 2016, Φλώρινα.

56. Δήμας Κ., Ι. Βασιλάκογλου, **Χ. Δόρδας**, Α. Λιθουργίδης 2016. Γεωργία ακριβείας και αποτελεσματικότερη χρήση εισροών στην παραγωγή αγροτικών προϊόντων. 16^ο Πανελλήνιο Συνέδριο Ελληνικής Επιστημονικής Εταιρείας Γενετικής Βελτίωσης Φυτών (Η συμβολή της βελτίωσης των φυτών στην έξοδο από την οικονομική κρίση) 28-30 Σεπτεμβρίου Οκτωβρίου 2016, Φλώρινα.
57. Κλωνάρας Μ., Α. Λιθουργίδης, **Χ. Δόρδας** 2016. Συγκαλλιέργεια κτηνοτροφικού μπιζελιού και βίκου με κριθάρι και βρώμη σε δυο αναλογίες σποράς. 16^ο Πανελλήνιο Συνέδριο Ελληνικής Επιστημονικής Εταιρείας Γενετικής Βελτίωσης Φυτών (Η συμβολή της βελτίωσης των φυτών στην έξοδο από την οικονομική κρίση) 28-30 Σεπτεμβρίου Οκτωβρίου 2016, Φλώρινα.
58. **Δόρδας Χ.**, Α. Φυντανής, Α. Λιθουργίδης, Α. Μαυρομάτης, Θ. Γέμτος, Β. Στεφανίδου 2016. Συγκαλλιέργεια ψυχανθών με σιτηρά σε συνθήκες συμβατικής κατεργασίας και ακαλλιέργειας του εδάφους. 16^ο Πανελλήνιο Συνέδριο Ελληνικής Επιστημονικής Εταιρείας Γενετικής Βελτίωσης Φυτών (Η συμβολή της βελτίωσης των φυτών στην έξοδο από την οικονομική κρίση) 28-30 Σεπτεμβρίου Οκτωβρίου 2016, Φλώρινα.
59. Kalamartzis, I., Ralli, P. and C. **Dordas**. 2019. EFFECT OF WATER STRESS ON THE AGRONOMIC CHARACTERISTICS AND ON WATER USE EFFICIENCY OF FOUR LANDRACES OF BASIL (*Ocimum basilicum*)» World Conference on Sustainable Life Sciences (WOCOLS), Budapest 30 June-7 July 2019.
60. Pankou C., C. Dordas, A. Lithourgidis, D. Vlachostergios, A. Mavromatis, I. Tokatlidis. 2019. USE OF INTERCROPPING FOR A BETTER RESOURCE USE EFFICIENCY IN A MEDITERRANEAN CLIMATE, World Conference on Sustainable Life Sciences (WOCOLS), Budapest 30 June-7 July 2019.
61. Laskari M., C. Dordas, I. Kalfas, I. Gatzolis 2020. USE OF FERTILIZERS AND HYBRIDS IN REDUCING THE ENVIRONMENTAL COST OF MAIZE CROP XVI European society for agronomy (ESA), 01-03 September, 2020, SEVILLA, SPAIN.
62. Pankou C., C. Dordas, A. Lithourgidis 2020. Use of appropriate cultivars in intercropping can improve resource use efficiency under Mediterranean conditions XVI European society for agronomy (ESA), 01-03 September, 2020, SEVILLA, SPAIN.
63. Dordas C., Arsenos G., Bochtis D., Laskari M., Menexes G., Panousis N., Kalfas I., Gatzolis I., Georgiadis, G., Krystallidou E. 2020. BIOPRODUCTION SYSTEM FOR CIRCULAR PRECISION INTEGRATED FARMING TO ENCOUNTER CLIMATE CHANGE. 9th International Conference on Information and Communication Technologies in Agriculture, Food and Environment (HAICTA), 24-27 September, 2020, THESSALONIKI, Greece.
64. Dordas C., Laskari M., G. Menexes, I. Kalfas, I. Gatzolis 2020. EFFECT OF WATER DEFICIT IRRIGATION ON THE PROFDUCTIVITY OF MAIZE (*Zea mays* L.) ON ENVIRONMENTAL COST. 2nd World Conference on Sustainable Life Sciences 08-09 December, 2020, Istanbul, Turkey.
65. Papakaloydis P., C. Dordas 2020. Evaluation of Sweet Basil (*Ocimum basilicum*) Cultivars for Adaptability to Mediterranean Conditions 2020. 2nd World Conference on Sustainable Life Sciences 08-09 December, 2020, Istanbul, Turkey.

66. Pankou C., **C. Dordas**, A. Lithourgidis, D. Vlachostergios, A. Koskosidis, A. Mavromatis 2021. Breeding strategies for wheat cultivars appropriate for intercropping. Intercropping conference 2021.
67. Pankou C., A. Lithourgidis, **C. Dordas**, 2021. Use of intercropping for a better resource use efficiency in a Mediterranean climate. Intercropping conference 2021.
68. Linardakis I., I.T. Tsialtas, G. Menexes, **C. Dordas**, 2021. Effect of N fertilization and water stress on growth and yield of common bean intercropped with corn. Intercropping conference 2021

Affiliation (active)

Associate Editor, Canadian Journal Plant Science, 2010-2013.

Hellenic Scientific Society for Genetics and Plant Breeding (H.S.S.G.P.B.) since 2006.