

Dr Demosthenis Chachalis
B.Sc.(Hons), M.Sc., Ph.D.

Researcher,
Head of Weed Science Laboratory,
Benaki Phytopathological Institute, Athens, Greece
(www.bpi.gr)



Deputy Chair-leader

European Weed Science Society (EWRS),
Working Group: Optimization of Herbicide Use in an IWM context

Elected President

Greek Weed Science Society (2013 – now)

March 2016

PERSONAL DETAILS

NAME: Demosthenis Chachalis

PLACE/DATE OF BIRTH: Minthi Ilias, Greece. 01/01/1964.

NATIONALITY: Greek

HOME ADDRESS: 4 Kornarou Str., Athens 146 71, Greece
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EDUCATION: 1997. Ph.D. (UK, University of Edinburgh)
Seed Physiology/Technology

1992. M.Sc. (UK, University of Edinburgh)
Seed Technology

1990. B.Sc. (Hons) (GR, Agricultural University Athens)
Crop Production.

CURRENT RESEARCH INTERESTS: Herbicide mechanisms, Weed Biology and Ecology, Seed Biology (crops, weeds),

WORKING EXPERIENCE:

2007- now Researcher
Benaki Phytopathological Institute

2000-2007 Researcher
Greek National Agricultural Research Foundation (N.AG.RE.F.), Institute of Volos Plant Protection

1998-2000 Researcher
USDA-ARS (USA).
Southern Weed Science Research Unit.

AWARDS: NATIONAL FOUNDATION FOR FELLOWSHIPS
1992-1996 Award for postgraduate studies abroad.

SCIENTIFIC IMPACT

1. Book editor: Weed and Pest Control: Molecular Biology, Practices and Environmental Impact, eds (Travlos I, Bilalis D. and **Chachalis D.**) pages 167, Nova Science Publishers, New York, 2016.
2. (2015- now). Deputy Chair-leader, European Weed Science Society (EWRS), Working Group: Optimization of Herbicide Use in an IWM context.
3. (2016). Deputy coordinator; Proposal H2020 on SFS-06 WEEDING call; total budget 7m euros (under EU evaluation).
4. (2015). Chief organizer for the International Workshop “Optimization of Herbicide Use in an IWM context” in Heraklion, Crete, Greece (www.ewrs.org).

Major Projects: 1. co-financed (BPI)
current “Determination of glyphosate resistance level of *Conyza* spp. populations and recommendations for their control in perennial crops in Greece”
Date: 2012-now
Role: Project Leader

2. Breedseed
 “Research to support the efficiency of breeding, production and management of propagative material”
Date: 2012-2016
Role: Project Leader for BPI,
Budget: 0.670 m euro (BPI: 0.087 m euro).

Major Projects: 1. LIFE08 ENV/GR/000570. «Innovative precision technologies for optimized irrigation and integrated crop management in a water-limited agroecosystem» (www.hydrosense.org).
Dissemination phase **Date:** 2010-2013
Role: Project Leader for BPI,
Budget: 1.6 m euro (BPI: 0.2 m euro).

2. FP7-REGPOT-2008-1. «Development of Benaki Phytopathological Institute as a Centre of Excellence in Plant Health and Crop Protection» (www.bpi-plantheal.gr)
Date: 2009-2013
Role: Actions Coordinator,
Budget: 0.9 m euro

Major Projects: 1. Joint Research programmes 2003-2005 NAGREF-BRITISH COUNCIL
past «Development of Decision Support Systems (DSS) to aid Integrated Weed Management: the case of postemergence weed control in maize and a simulation model for control of *Orobache* spp. »
Date: 2003-2005
Role: Project Leader for BPI

2. General Secretary of Research and Development
 Bilateral Programs on Research and Technology
 «Studies on seed germination using the Thermogradient »
Date: 2005-2007

Role: Project Leader for BPI

3. INSTITUTION BUILDING

PHARE Twinning Project (HU/IB/2001/AG/01):

“Development of implementation capacity concerning phytosanitary protection *acquis*”.

Date: 2002-2003

Role: Project Leader,

Budget: 0.6 m euro.

4. LIFE 07 ENV/GR/00026. «Strategic plan for the adaptation and application of the principles for the sustainable use of pesticides in a vulnerable ecosystem». (www.ecopest.gr)

Date: 2009-2012

Role: Coordinator of demonstration fields

Budget: 1.6 m euro.

TEACHING EXPERIENCE:

2015	<u>Agricultural University of Athens. Weed and Seed Biology</u> , for the M.Sc. course
2013 - now	<u>University of Thessaly, Greece. Seed Biology</u> for the M.Sc. course
2013 - now	<u>University of Thessaly, Greece. Weed Biology</u> for the M.Sc. course
2003-2005	<u>Technological Institute of Larissa (T.E.I.), Crop Production Department</u> Principles and applications of Plant Protection Products (4h/wk.), 2 semesters
2003-2005	<u>Technological Institute of Larissa (T.E.I.), Crop Production Department</u> Safe use of Plant Protection Products (4h/wk.), 2 semesters

PUBLICATIONS

I. International Referee Journals (SCI & SSCI)

32. Mohammadi G., Khah E., Petropoulos S. A. and **Chachalis D.** 2015. The effect of fruit load on pod and seed characteristics of Okra (*Abelmoschus esculentus* L.). *Analele Universității din Oradea, Fascicula Biologie*, 1: 26-32.
31. Vitoratos A., **Chachalis D.**, Travlos I., and D. Bilalis. 2015. The effects of captafol on mitosis of *Aspergillus nidulans* through light and electron microscopic investigations. *Emirates Journal of Food Agriculture* 27: 878-882.
30. Kakabouki I., Karkanis A., Travlos I. S. Hela D., Papastylianou P., Wu H., **Chachalis D.**, Sestras R. and D. Bilalis 2015. Weed flora and seed yield in quinoa crop (*Chenopodium quinoa* Willd.) as affected by tillage systems and fertilization practices. *International Journal of Pest Management* 61: 228-234.
29. Tani E. , **Chachalis D.**, and I.S. Travlos 2015. A Glyphosate Resistance Mechanism in *Conyza canadensis* Involves Synchronization of EPSPS and ABC-transporter Genes. *Plant Molecular Biology Reporter*, 33: 1721-1730.
28. **Chachalis, D.** and I. Travlos and 2014. Glyphosate-Resistant Weeds in Southern Europe: Current Status, control strategies and Future challenges. *In Handbook on Herbicides*, eds. D. Kabayashi, E. Watanabe, pg. 175-191, Nova Publishers, New York.
27. TRAVLOS, I., BILALIS, D., PAPASTYLIANOU, P., **CHACHALIS, D.**, LYGIZOS, I., ANNOUSAKIS, I., & PAPTATHEOHARI, Y. (2014). Response of the Growth and Yield of Sunflower Hybrids to Organic and Inorganic Fertilization. *Bulletin of University Of Agricultural Sciences And Veterinary Medicine Cluj-Napoca. Horticulture*, 71, 363-364.
26. Mohammadi Ghadir, Khah E. M., Spyridon A. Petropoulos, **Chachalis D.**, Garip Yarsi, & Muhammad A. Anjum 2014. Effect of N Fertilization on Pod and Seed Characteristics of Okra in Relation to Plant Part. *Journal of Agricultural Science*, 71: 54-71.
25. Ghadir Mohammadi , Ebrahim M. Khah, Spyridon Alexandros Petropoulos , **Dimosthenis Chachalis** , Fariba Akbari & Garip Yarsi 2014. Effect of Gibberellic Acid and Harvesting Time on the Seed Quality of Four Okra Cultivars. *Journal of Agricultural Science*, 6 (7): 200-211.
24. *Panagiota PAPASTYLIANOU, Ioanna KAKABOUKI, Eleni TSIPLAKOU, Ilias TRAVLOS, Dimitrios BILALIS, Dimitra HELA, Dimosthenis CHACHALIS, George ANOGIATIS, George ZERVAS* 2014. Effect of fertilization on yield and quality of biomass of quinoa (*Chenopodium quinoa* Will D.) and green amaranth (*Amaranthus retroflexus* L.) 2014. *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca*, 71(2): 288-292.
23. J C Streibig, J Rasmussen, D Andújar, C Andreasen, T W Berge, **D Chachalis**, T Dittmann, R Gerhards, T M Giselsson, P Hamouz, C Jaeger-Hansen, K Jensen, R N Jørgensen, M Keller, M Laursen, H S Midtiby, J Nielsen, S Müller, H Nordmeyer, G Peteinatos, A Papadopoulos, J Svensgaard, M Weis and S Christensen. **2014**. Sensor-based assessment of herbicide effects *Weed Research* 54: 223-233.
22. Travlos I.S. and **D. Chachalis** **2013**. Assessment of glyphosate-resistant horseweed (*Conyza canadensis* L. Cronq.) and fleabane (*Conyza albida* Willd. ex Spreng) populations from perennial crops in Greece. *International Journal of Plant Production*, 4: 665-676.
21. I. Travlos and **Chachalis, D.** **2013**. Relative competitiveness of glyphosate-resistant and glyphosate-susceptible populations of hairy fleabane, *Conyza bonariensis*. *Journal of Pest Science*, 86: 345-351.
20. I. Travlos, P. Kanatas, G. Economou, V. Kotoulas, **Chachalis, D.** and S. Tsiros **2012**. Evaluation of velvetleaf interference with maize hybrids as influenced by relative time of emergence. *Experimental Agriculture* 48: 127-137.
19. Zaxos D., Khah E.M., Kostoula S., **Chachalis D.**, and Sakellariou M. **2012**. Evaluation of seed cotton production and quality in relation to the different irrigation levels and two row spacings. *International Journal of Plant Production* 6: 129-148.

18. I. Travlos and **Chachalis, D. 2010**. Glyphosate Resistant Hairy Fleabane (*Conyza bonariensis*) is Reported in Greece. *Weed Technology* 24: 569-573.
17. Darawsheh, M. K., Khah, E. M., **Chachalis, D.**, Aivalakis, G. and Sallaku, **F. 2009**. I. Cotton row spacing and plant density cropping systems-effects on accumulation and partitioning of dry mass and LAI. *Journal of Food, Agriculture & Environment* 7: 258-261.
16. Darawsheh, M. K., Khah, E. M., **Chachalis, D.**, Aivalakis, G. and Sallaku, **F. 2009**. II. Cotton row spacing and plant density cropping systems-effects on seedcotton yield, boll components and lint. *Journal of Food, Agriculture & Environment* 7: 262-265.
15. Sallaku, F., Fortuzi, S., Tota, O., Huqi, B., **Chachalis, D.**, and Darawsheh, M. K. **2009**. Heavy metal soil contamination around the metallurgical plant of Elbasani in Albania. *Journal of Food, Agriculture & Environment* 7: 878-881.
14. Sallaku F., **Chachalis D.**, Darawsheh M. K., Tota O., Kristo I. **2009**. Improving participation and cooperation on water management: experience from farmer-managed systems in Albania. *Journal of Food, Agriculture & Environment* 7: 252-255.
13. **Chachalis D.**, N. Korres and E.M. Khah **2008**. Factors affecting seed germination and emergence in Venice mallow (*Hibiscus trionum*). *Weed Science* 56: 509-515.
12. **Chachalis D. M.** Darawesh and E.M. Khah **2008**. Effects of initial seed moisture content, imbibition temperature and seed vigour on germination, electrolyte leakage and seedling growth in plum tomatoes. *Journal of Food, Agriculture & Environment* 6: 299-304.
11. **Chachalis D.** and M. Galanis **2007**. Weed control and cotton response to combinations of acetochlor with fluometuron. *Journal of Food, Agriculture & Environment* 5:198-201.
10. Khah E. M., Koukoufikis K., Mavromatis A. G., **Chachalis D.** and Goulas C. K. **2007**. The effect of different irrigation techniques on plant performance and seed quality in relation to fruit maturation and storage of different genotypes of pepper (*Capsicum annuum* var. *annuum* L.). *Journal of Food, Agriculture & Environment* 5:159-163.
9. **Chachalis D.** and K. N. Reddy **2005**. Factors affecting sprouting and glyphosate translocation along creeping roots of redvine (*Brunnichia ovata*) and trumpetcreeper (*Campsis radicans*). *Weed Technology* 19: 141-147.
8. Reddy K. N. and **D. Chachalis 2004**. Redvine (*Brunnichia ovata*) and trumpetcreeper (*Campsis radicans*) management in glufosinate- and glyphosate-resistant soybean (*Glycine max*). *Weed Technology* 18: 1058-1064.
7. **Chachalis D.** and K. N. Reddy **2004**. Pelargonic Acid and Rainfall Effects on Glyphosate Activity in Trumpetcreeper (*Campsis radicans*). *Weed Technology* 18: 66-72
6. **Chachalis D.**, K. N. Reddy and C. D. Elmore. **2001**. Characterization of leaf surface, wax composition, and control of redvine and trumpetcreeper with glyphosate. *Weed Science* 49: 156-163.
5. **Chachalis D.**, K. N. Reddy, C. D. Elmore and M. L. Steele. **2001**. Herbicide efficacy, leaf structure, and spray droplet contact angle among *Ipomoea* species and smallflower morningglory. *Weed Science* 49: 628-634.
4. **Chachalis D.** and M. L. Smith. **2001**. Seed coat regulation of water uptake during imbibition in soybeans (*Glycine max* (L.) Merr.). *Seed Science and Technology* 29: 401-412.
3. **Chachalis D.** and M. L. Smith. **2001**. Hydrophobic-polymer application reduces imbibition rate and partially improves germination or emergence of soybean seedlings. *Seed Science and Technology* 29: 91-98.
2. **Chachalis D.** and K. N. Reddy. **2000**. Factors affecting trumpetcreeper (*Campsis radicans*) seed germination and emergence. *Weed Science* 48: 212-216.
1. **Chachalis D.** and M. L. Smith. **2000**. Imbibition behaviour of soybean (*Glycine max* L. Merrill) genotypes with different testa characteristics. *Seed Science and Technology* 28: 321-331.

A/A International Referred Journals (currently not in SCI & SSCI)

6. **D. Chachalis** 2015. Wild poinsettia (*Euphorbia heterophylla*): an emerging weed in cotton and processing tomato in Greece. *Hellenic Plant Protection Journal* 8: 27–32.
5. Travlos H. and **Chachalis D.** 2008. Drought Adaptation Strategies of Weeds and other Neglected Plants of Arid Environments. *Plant Stress* (in press).
4. Khah E. M., E. Kakava, A. Mavromatis, **D. Chachalis** and C. Goulas 2006. Effect of grafting on growth, performance and yield of tomato (*Lycopersicum esculentum* Mill.) in greenhouse and open-field. *Journal of Agriculture and Horticulture* 8:3-7.
3. **Chachalis D.**, P. Lolas and G. Zanakis 2005. Ultra-early planting effects on Maize Crop Development, Yield and Weed Control. *Journal of New Seeds* 12: 8 (57-72).
2. **Chachalis D.** and M. L. Smith. 2000. Seed soaking damage in some grain legumes. *Journal of New Seeds* 2: 27-36.
1. **Hahalis D.**, M. P. Cochrane and M. L. Smith. 1996. Water penetration sites in the testa of soybeans (*Glycine max* L. Merril) during seed imbibition. *The Science of Legumes*, 3, 218-226.

II. International Conferences (full papers)

5. A. Papadopoulos and **Chachalis D.** 2012. Weed mapping in cotton using proximal and remote sensing under GIS environment. 1st International Conference Robotics Associated High-Technologies and Equipment for Agriculture, RHEA 2012. 19-21 September 2012, Pisa, Italy.
4. **Chachalis D.** and Zanakis 2005. Double-row planting influences the critical period for weed control in early-planted maize. 13th Symposium European Weed Research Society, Bari, Italy, June 2005.
3. **Chachalis D.**, V. Zarakinos and A. Papanagiotou 2005. Characterization of the effects of various adjuvants on flumioxazin activity. 13th Symposium European Weed Research Society, Bari, Italy, June 2005.
2. **Hahalis D.** and M. L. Smith. 1997. Comparisons of the storage potential of soybean (*Glycine max* L.) cultivars with different rate of water uptake. *Basic and Applied Aspects of Seed Biology*, 507-513.
1. **Hahalis D.**, P. M. Cochrane and M. L. Smith. 1996. Effects of gas environment on germination, leakage of electrolytes and viability of embryo during soaking injury in some grain legumes. *Legumes in Sustainable Farming Systems*, 48-50.

III. International Conferences (abstracts)

42. Margaritopoulou Th., E Tani, I S Travlos and **D Chachalis** 2015. Epigenetic mechanisms and regulation of genes involved in glyphosate resistance in *Conyza Canadensis*. *Optimizing Herbicide Use in an Integrated Weed Management (IWM) context*. Working Group Meeting, Herakleion Crete, 5-7 March 2015, pg 19 (ISDN 978-618-81865-0-7).
41. Chachalis D. 2015. Optimization of herbicide use: Results from pilot field projects in major crops in Greece. *Optimizing Herbicide Use in an Integrated Weed Management (IWM) context*. Working Group Meeting, Herakleion Crete, 5-7 March 2015, pg 7 (ISDN 978-618-81865-0-7).
40. Xanthopoulou A., Ganopoulos I., Madesis P., Travlos I. and **D. Chachalis** 2015. Analysis of genetic differences in R- and S- sterile oat (*Avena sterilis* L.) populations in Greece. *Optimizing Herbicide Use in an Integrated Weed Management (IWM) context*. Working Group Meeting, Herakleion Crete, 5-7 March 2015, pg 23 (ISDN 978-618-81865-0-7).

39. Karkanis A., Bilalis D., Efthimiadou A., Travlos I., **Chachalis D.**, and Katsenios N. 2015. Reduced rates of herbicides to control *Galium aparine*, *Sinapis arvensis* and *Avena sterilis* in late-sown durum wheat (*Triticum durum* L.). *Optimizing Herbicide Use in an Integrated Weed Management (IWM) context*. Working Group Meeting, Herakleion Crete, 5-7 March 2015, pg 31 (ISDN 978-618-81865-0-7).
38. Koustas N., I.S. Travlos, D.J. Bilalis, P. Papastylianou, D. Papadimitriou, D. Douma, **D. Chachalis** and A. Karkanis 2015. Field horsetail (*Equisetum arvense* L.) and its effects on chickpea. *Optimizing Herbicide Use in an Integrated Weed Management (IWM) context*. Working Group Meeting, Herakleion Crete, 5-7 March 2015, pg 44 (ISDN 978-618-81865-0-7).
37. Tabaxi I., I.S. Travlos, C. Astrakis, P.J. Kanatas, E. Tani and **D. Chachalis** 2015. Glyphosate resistant populations of *Conyza* spp. in Greece: current situation, fitness and management. *Optimizing Herbicide Use in an Integrated Weed Management (IWM) context*. Working Group Meeting, Herakleion Crete, 5-7 March 2015, pg 18 (ISDN 978-618-81865-0-7).
36. Bilalis D., Travlos I.S., Kanatas P., **Chachalis D.**, Tabaxi I., Tsioros S. 2015. The competitive ability of chickpea (*Cicer arietinum*) against wild mustard (*Sinapis arvensis*) under non-irrigated conditions. *Weed management in changing environments*. 17th European Weed Research Society (EWRS) Symposium, Montpellier, France, June 23-26, 2015.
35. Travlos, I.S, Bilalis D., Wu H., Lygizos I., Tabaxi I., **Chachalis D.**, Tsioros S., Douma D., Patsiali S. and Manos G. 2015. Competitiveness of four sunflower hybrids against the invasive weed *Solanum elaeagnifolium* Cav. *Weed management in changing environments*. 17th European Weed Research Society (EWRS) Symposium, Montpellier, France, June 23-26, 2015.
Chachalis D., Tani E. and I.S. Travlos 2015. Glyphosate resistance on *Conyza* species: mechanism and standardization of screening tests. *Weed management in changing environments*. 17th European Weed Research Society (EWRS) Symposium, Montpellier, France, June 23-26, 2015.
34. **Chachalis D.** 2014. Studies on crop-weed competition as affected by seed vigour. EWRS working group on crop-weed interactions, Uppsala 25-29 January 2014.
33. **Chachalis D.**, Tani E. and I. Travlos 2014. Current status of glyphosate-resistant *Conyza* spp. in Greece. *Herbicide resistance in Europe: Challenges, opportunities and threats*, Herbicide Resistance Working Group Meeting Frankfurt, May 19 – 20, 2014 pg 23.
32. **Chachalis D.** 2014. Herbicide tolerant varieties (HTV's) in sunflower/rice in Greece: current status and future prospects. *Herbicide resistance in Europe: Challenges, opportunities and threats*, Herbicide Tolerant varieties Working Group Meeting Frankfurt, May 21 pg 23.
31. Tani E., **Chachalis D.**, and I. Travlos **2013**. Studies to understand mechanism(s) and control glyphosate-resistant *Conyza* spp. in Greece. 16th European Weed Research Society Symposium, 24-27 June 2013, Samsun, Turkey.
30. Papadopoulos A. **Chachalis D.**, V. Kati, and V. Kotoulas **2013**. Weed mapping in cotton using proximal and remote sensing. 16th European Weed Research Society Symposium, 24-27 June 2013, Samsun, Turkey.
29. I.S. Travlos, J. Costa I. Brants and **Chachalis D.** **2013**. Strategies for the effective management of glyphosate-resistant *Conyza* spp. in Greece and ecological fitness parameters of the resistant populations. 16th European Weed Research Society Symposium, 24-27 June 2013, Samsun, Turkey.
28. Athanasouli V., **Chachalis D.**, P. Terzopoulos and E. I. Khah. **2013**. Effect of cotton seed vigor on the early competition with weeds. 2013 WSSA annual meeting, 4-7 February 2013, Baltimore, USA
27. Papadopoulos A., **Chachalis D.**, V. Kati and S. Stamatiadis **2013**. Site-specific weed management in cotton. 2013 WSSA annual meeting, 4-7 February 2013, Baltimore, USA.

26. Chachalis D., Tani E., I.S. Travlos , J. Costa and R. D. Sammons **2013**. Glyphosate-resistant *Conyza spp.* in perennial crops in Greece: Mechanisms of resistance and control strategies. 2013 WSSA annual meeting, 4-7 February 2013, Baltimore, USA.
25. **Chachalis D.**, and Travlos I.S. **2012**. Glyphosate resistance status and potential solutions in Greece. International Workshop on “Glyphosate Weed Resistance: European Status and Solutions”. 3-4 May 2012, Cordoba, Spain.
24. **Chachalis D.** and A. Papadopoulos **2012**. Site-specific weed management approaches. Site Specific Weed Management Working Group (EWRS, WC) workshop, 28-31 May 2012. Copenhagen.
23. **Chachalis D.** **2011**. Glyphosate-resistant weed species in perennial crops in Greece. Herbicide Resistance Working Group (EWRS, WC) workshop, 12-13 April 2011. Ghent, Belgium.
22. **Chachalis D.**, Kati V., Travlos I. and Machera K. **2010**. EcoPest: Developing sustainable weed management and herbicide application systems in a pilot area in Greece. Pp.323 in Proceedings of 15th EWRS Symposium, 12-15 July, 2010. Kaposvar, Hungary.
21. Travlos, I.S., **D. Chachalis**, and G. Economou (2010). Identification and integrated management of glyphosate resistant biotypes of *Conyza spp.* in Greece. Pp.23 in Proceedings of 15th EWRS Symposium, 12-15 July, 2010. Kaposvar, Hungary.
20. **Chachalis D.** and Travlos I. **2009**. Studies on *Euphorbia spp.* and *Sida spp.* as new emerging weed problems in cotton in Greece. 2nd International Conference on Novel and sustainable weed management in arid and semi-arid agro-ecosystems. Santorini 6-10 September 2009, Greece.
19. **Chachalis D.**, Kati V., Travlos I. and Machera K. **2009**. EcoPest: Sustainable use of herbicides in a pilot area in Kopaida, Greece. 2nd International Conference on Novel and sustainable weed management in arid and semi-arid agro-ecosystems. Santorini 6-10 September 2009, Greece.
18. Travlos I.S., **Chachalis D.** and Economou G. **2009**. Characters for the in situ recognition of some *Conyza* species and glyphosate resistant populations from Greece. 2nd International Conference on Novel and sustainable weed management in arid and semi-arid agro-ecosystems. Santorini 6-10 September 2009, Greece.
17. **Chachalis D.**, Darawsheh M. K. and Khah E. M. **2009**. Contribution of seed vigor on competitive ability of plum tomato with weeds. 2nd International Conference on Novel and sustainable weed management in arid and semi-arid agro-ecosystems. Santorini 6-10 September 2009, Greece.
16. Korres N., G.N. Skarakis, P. Efthimiadis, **D. Chachalis** and O. Pavli **2008**. Can we develop competitive wheat cultivars (cvs) against weeds without interfering with traits that confer high yield? 4TH ESPO Conference, 22-26 June, Toulon, France.
15. **Chachalis D.** and A. Murdoch **2007**. Potential use of Nijmegen-1 and smoke water solutions to deplete *Orobanche ramosa* seed banks in Greece. *Proceedings 9th International Parasitic Weed Symposium*, p.43.
14. **Chachalis D.** and K. N. Reddy **2002**. Redvine (*Brunnichia ovata*) and trumpetcreeper (*Campsis radicans*) control with bromoxynil mixtures with glyphosate, glufosinate, and pelargonic acid. 2002 *Weed Science Society of America WSSA* Conference, USA.
13. **Chachalis D.** and K. N. Reddy **2002**. Toxicity, absorption, translocation, and rainfastness of glyphosate in trumpetcreeper (*Campsis radicans*). 2002 *Southern Weed Science Society SWSS* Conference, USA.
12. **Chachalis D.** and K. N. Reddy **2001**. Factors affecting sprouting and propagule emergence from rootstock in redvine (*Brunnichia ovata*) and trumpetcreeper (*Campsis radicans*). 2001 *Southern Weed Science Society SWSS* Conference, Biloxi, Mississippi, USA.
11. **Chachalis D.** and K. N. Reddy **2001**. Release of seed dormancy by overwinter exposure or chemical treatments in redvine (*Brunnichia ovata*) and trumpetcreeper (*Campsis radicans*). 2001 *Weed Science Society of America WSSA* Conference, USA.

10. **Chachalis D.**, K. N. Reddy, R. N. Paul and C. D. Elmore. **2000**. Leaf morphology, herbicide droplet spread, and response of morningglory species to herbicides used in transgenic and conventional crops. Proceedings in WSSA Conference, 40: 81.
9. **Chachalis D.** and K. N. Reddy. **2000**. Characterization of trumpet creeper (*Campsis radicans*) seed germination and emergence. Proceedings in WSSA Conference, 40: 19.
8. **Chachalis D.** and K. N. Reddy. **2000**. Redvine (*Brunnichia ovata*) and trumpet creeper (*Campsis radicans*) response to glyphosate and glufosinate mixtures with other herbicides. 2000 *Southern Weed Science Society SWSS* Conference, Tulsa, Oklahoma, USA.
7. **Chachalis D.** and K. N. Reddy. **2000**. Redvine (*Brunnichia ovata*) and trumpet creeper (*Campsis radicans*) leaf surface characteristics. 2000 *Southern Weed Science Society SWSS* Conference, Tulsa, Oklahoma, USA.
6. Reddy K. N. and **D. Chachalis**. **2000**. Redvine and trumpet creeper management in Roundup Ready soybeans following spring glyphosate application. 2000 *Southern Weed Science Society SWSS* Conference, Tulsa, Oklahoma, USA.
5. **Chachalis D.**, K. N. Reddy and C. D. Elmore. **2000**. Leaf surface morphology and herbicide responses in morningglory species. 2000 *Mississippi Weed Science Society* Conference, Greenville, MS, USA.
4. **Hahalis D.**, M. P. Cochrane and M. L. Smith. **1997**. Relationship between seed coat features and water uptake during imbibition in soybeans (*Glycine max* L.). *Seed Biology and Technology: Applications and Advances*, 13-15 August 1997, USDA, Colorado, USA.
3. **Hahalis D.**, M. P. Cochrane and M. L. Smith. **1997**. Comparative studies between hard and soft seeds in the structure and histochemistry of the seed coat in soybeans (*Glycine max* L.). *American Society of Plant Biologists (ASPB): Plant Biology '97*, 3-5 August 1997, Vancouver, Canada.
2. **Hahalis D.** **1995**. Seed coat structural features of soft and hard seeds in soybeans. *First Annual SAC Postgraduate Research Poster Conference*, 8 September 1995, SAC Edinburgh, UK.
1. **Hahalis D.** and M. L. Smith. **1995**. Seed coat characteristics in relation to water uptake in soybeans. *Sixteen Annual Conference in Seed Biology*, 30 March 1995, Writtle College, UK.

CITATION INDEX: Citations: 181

REFEREE for: Weed Science, Weed Technology, Weed Research, Plant Production Science, Journal of New Seeds, Seed Science and Technology, Acta Horticulturae

OTHER ACTIVITIES:

1. Elected President of the Greek Weed Science Society (2013-2015)
2. Member of various Working Groups of the European Weed Research Society (EWRS)
3. Member of the Organizing Committee for 1st International Conference of the WG on Weed management on arid and semi-arid regions.
4. Member of the Scientific and Organizing Committee for the last 4 conferences of the Greek Weed Science Research