

CV AND PUBLICATIONS



1. **Name:** JOHN D. VALIANTZAS

2. **Current work address / Present Activity**

Professor

of Agricultural University of Athens,

Department of Natural Resources Management and Agricultural Engineering,

Division of Water Resources Management,

75 Iera Odos, 11855 Athens

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3. **Awards**

(a) **Best Research Paper of the year 2010 Award**, from the ASCE [Journal of Irrigation and Drainage Engineering](#)-Environmental and Water Resources Institute (EWRI) of the American Society of Civil Engineers (ASCE), for the paper: **John D. Valiantzas**: “*Explicit Power Formula for the Darcy–Weisbach Pipe Flow Equation: Application in Optimal Pipeline Design*” published in July/August 2008

(b) **Best Discussion Paper of the year 2006 Award**, from the ASCE [Journal of Irrigation and Drainage Engineering](#)-Environmental and Water Resources Institute (EWRI) of the American Society of Civil Engineers (ASCE), for the discussion paper: **John D. Valiantzas** “*Equivalent Friction Factor Method for Hydraulic Calculation in Irrigation Laterals*”, July/August 2004

(c) **Best Discussion Paper of the year 2013 Award**, from the ASCE [Journal of Hydrologic Engineering-Environmental and Water Resources Institute \(EWRI\)](#) of the American Society of Civil Engineers (ASCE), for the discussion paper: **John D. Valiantzas**: :*“Case Study on the Accuracy and Cost/Effectiveness in Simulating Reference Evapotranspiration in West-Central Florida”*, *J. Hydrol. Eng.*, 2012, 17(1), 224–225.

(d) Presentation at the “*Network of Excellence for Universities*” - Greek Ministry of Education - of the action of excellence of John D. Valiantzas entitled “Simplified optimization techniques for irrigation systems”:

<http://excellence.minedu.gov.gr/listing/137-irrigation> (<http://excellence.minedu.gov.gr>)

4. Professional employment

1986-1991 Researcher at the Laboratory of Agricultural University of Agricultural University of Athens (AUA)

1991-1999 Assistant Professor at the Department of Natural Resources Management and Agricultural Engineering, AUA

1999-2004 Associate Professor at the Department of Natural Resources Management and Agricultural Engineering, AUA

2004- Professor at the Department of Natural Resources Management and Agricultural Engineering, AUA.

5. Education

1. Rural and Surveying Engineering, National Technical University of Athens, 1975
2. Hydraulic Engineering (Section Special) of “Institute National Polytechnique” of Toulouse (France), 1976
3. DEA of “Institute National Polytechnique” of Toulouse (France), 1977
4. Docteur Ingenieur of “Institute National Polytechnique” of Toulouse (France), 1979

6. Foreign languages

English, French

7. Courses Taught

Irrigation Systems

Soil Physics and Irrigation

General Hydraulics

Closed Conduits Hydraulics

Open Channel Hydraulics

Surface Hydrology

PC Computing in Water Resources

8. Administrative work

- 2000-2001 member of the Senate of AUA
- 2001-2003 Associate-President of the Department of Natural Resources Management and Agricultural Engineering, AUA
- 2005-2006 και 2006-2007 Director of the Division of Water Resources Management, AUA.
- 2012- member of the University Council of AUA.

9. Areas of Research Interest

1. Agro-Hydrology, Soil Hydrology, Transport phenomena in porous formations, Hydrological Process.
2. Hydraulic analysis and optimum design of farm irrigation systems (surface irrigation, trickle and sprinkler irrigation systems). Irrigation scheduling
Open channel and closed conduits hydraulics.
3. Numerical simulation, experience in modeling:
Ground water flow, unsaturated flow, hydraulic analysis and optimum design of farm irrigation systems, closed conduits networks.
Inverse problem numerical solution in Hydrology, Hydraulics, Soil physics, and Irrigation.

10. Reviewer

Reviewer of the following **referred international journals**:

1. Agricultural Water Management
2. Geoderma
3. Irrigation Science
4. Journal of Applied Meteorology and Climatology
5. Journal of Irrigation and Drainage Engineering, ASCE
6. Soil Science Society of America Journal
7. Water Resources Management
8. Water Resources Research

9. Journal of Hydrology
10. Hydrological Sciences Journal

11. Research Projects

1. TITLE: The Effect of Cultivation Practices in the Physical Properties of the Upper Soil, Duration: 1985-1990, Budget: 180.000 ECU, Financial Sources: EU.
2. TITLE: Estimation of Distribution Uniformity from Field Evaluations of Irrigation Systems, Duration: 2002-2003, Principal Investigator: K. H. Solomon, California Polytechnic State Univ., Collaborators C. M. Burt, John D. Valiantzas, Financial Sources: ARI, US Bureau of Reclamation.
3. TITLE: Experimental investigation of a water basin: Calibration of hydrological models, Duration: 2003-, Financial Sources: Agricultural University of Athens.
4. TITLE: Integrated water management of Mediterranean phosphate mining and agricultural systems, Duration: 2005- , Financial Sources: EU.

12. Publications in referred international scientific journals

Author of 57 publications (as single author in 35 from the 57 publications) in the following referred international scientific journals:

[Water Resources Research](#)

[Journal of Hydrology](#)

Journal of Hydrologic Engineering, ASCE

Hydrology and Earth System Sciences

[Soil Science Society of America Journal](#)

[Journal of Irrigation and Drainage Engineering](#), ASCE

[Transactions of ASABE](#)

[Irrigation Science](#)

[Agricultural Water Management](#)

Irrigation and Drainage

Journal of Plant Nutrition and Soil Science

Global Nest Journal

Water Resources Management

Hortscience

In the following Areas of Research (the numbers refer to the list of publications that follows)

Soil Hydrology, Soil Physics, Hydrological Process: [1], [2], [3], [4], [5], [6], [7], [8], [34], [37], [39], [41], [42], [43], [44], [46], [47], [48], [49], [50], [51], [52], [53], [54], [55], [56], [57].

Surface Irrigation - Open Channel Hydraulics: [9], [10], [11], [12], [14], [15], [16], [17], [18], [19], [20], [21], [40].

Pressurized systems - Closed Conduits Hydraulics: [13], [22], [23], [24], [25], [26], [27], [28], [29], [30],[31], [32], [33], [35], [36], [38], [45].

List of Publications in Referred Journals

1. **Valiantzas, J.D., P.G. Kerkides, and A. Poulouvassilis.** “An improvement to the one-step outflow method for the determination of soil water diffusivities”, *Water Resources Research*, 24(11): 1911-1920, 1988.
2. **Valiantzas, J.D.** “A simple approximate equation to calculate diffusivities from one-step outflow experiments”, *Soil Science Society of America Journal*, 53: 342-349, 1989.
3. **Valiantzas, J.D., and P.G. Kerkides.** “A simple iterative method for the simultaneous determination of soil hydraulic properties from one-step outflow data” *Water Resources Research*, 26(1): 143-152, 1990.
4. **Valiantzas, J., and C. Thirriot.** “Transport in heterogenous porous formations 1. Time-dependent convective dispersion”, *Journal of Hydrology*, 118: 311-327, 1990.
5. **Valiantzas, J., and C. Thirriot.** “Transport in heterogenous porous formations 2. Time-dependent double dispersion”, *Journal of Hydrology*, 118: 329-342, 1990.
6. **Valiantzas, J.D.** “Analysis of outflow experiments subject to significant plate impedance”, *Water Resources Research*, 26(12): 2921-2929, 1990.
7. **Valiantzas, J.D.** “Simple regression procedure for power function”, *Journal of Irrigation and Drainage Engineering*, ASCE, 117(5):784-790, 1991.
8. **Valiantzas, J.D., and A. Salsalou.** “Laboratory determination of unsaturated hydraulic model” *Journal of Hydrology*, 128: 293-304, 1991.
9. **Valiantzas, J.D.** “Border advance using an improved volume balance model” *Journal of Irrigation and Drainage Engineering*, ASCE, 119(6):1006-1013, 1993.
10. **Valiantzas, J.D.** “Simple method for identification of border infiltration and roughness characteristics” *Journal of Irrigation and Drainage Engineering*, ASCE, 120(2):233-249, 1994.

11. **Valiantzas, J.D.** “Surface irrigation advance equation: variation of subsurface shape factor” *Journal of Irrigation and Drainage Engineering*, ASCE, 123(4):300-306, 1997.
12. **Valiantzas, J.D.** “Volume balance irrigation advance equation: Variation of surface shape factor” *Journal of Irrigation and Drainage Engineering*, ASCE, 123(4):307-312, 1997.
13. **Valiantzas, J.D.** “Analytical approach for direct lateral hydraulic calculation”. *Journal of Irrigation and Drainage Engineering*, ASCE, 124(3), 300-305, 1998.
14. **Valiantzas, J.D.** “Volume balance irrigation advance equation: Variation of surface shape factor” Closure *Journal of Irrigation and Drainage Engineering*, ASCE, 124(6), 325-327, 1998.
15. **Valiantzas, J.D.** “Explicit time of advance formula for furrow design” *Journal of Irrigation and Drainage Engineering*, ASCE, 125(1), 19-25, 1999.
16. **Valiantzas, J.D., S. Aggelides, and A. Sasselou.** “Furrow infiltration estimation from time to a single advance point” *Agricultural Water Management*, 52(1),17-32, 2001.
17. **Valiantzas, J.D.** “Surface water storage independent equation for predicting furrow irrigation advance” *Irrigation Science* 19, 115-123, 2000.
18. **Valiantzas, J.D.** “Discussion of ‘Estimation of surface volume in hydrological models for border irrigation” *Journal of Irrigation and Drainage Engineering*, ASCE, 126(2), 131-133, 2000.
19. **Valiantzas, J.D.** “Optimal Furrow design. I: Time of advance equation” *Journal of Irrigation and Drainage Engineering*, ASCE, 127(4), 201-208. 2001.
20. **Valiantzas, J.D.** “Optimal Furrow Design II: Explicit Calculation of Design Variables” *Journal of Irrigation and Drainage Engineering*, ASCE, 127(4), 209-215, 2001.
21. **Valianzas, J.D.** “Discussion on Explicit volume balance model solution” *Journal of Irrigation and Drainage Engineering*, ASCE, 127(1), 60-62, 2001.
22. **Valiantzas, J.D.** “Continuous Outflow Variation along Irrigation Laterals: The effect of the Number of Outlets” *Journal of Irrigation and Drainage Engineering*, ASCE, 128(1)34-42, 2002.
23. **Valiantzas, J.D.** “Hydraulic Analysis and Optimum Design of Multi-diameter Irrigation Laterals” *Journal of Irrigation and Drainage Engineering*, ASCE, 128(2), 78-87, 2002.
24. **Valiantzas, J.D.** “Explicit Hydraulic Design of Microirrigation Submain Units with Tapered Manifold and Laterals” *Journal of Irrigation and Drainage Engineering*, ASCE, 129(4), 227-236, 2003.
25. **Valiantzas, J.D.** “Inlet Pressure, Energy Cost and Economic Design of Tapered Irrigation Submains” *Journal of Irrigation and Drainage Engineering*, ASCE, 129(2), 100-108, 2003.

26. **Valiantzas, J.D.** “Continuous outflow variation along irrigation laterals: Effect of the number of outlets. Closure” *Journal of Irrigation and Drainage Engineering, ASCE*, 129(5), 386-390, 2003.
27. **Valiantzas, J.D.** “Discussion of Equivalent friction factor method for hydraulic calculation in irrigation laterals” *Journal of Irrigation and Drainage Engineering, ASCE*, 130(4), 339-340, 2004.
28. **Valiantzas, J.D., and N. Dercas.** “Hydraulic analysis of multi-diameter center-pivot sprinkler laterals” *Journal of Irrigation and Drainage Engineering., ASCE* , 131 (2): 137-146, 2005.
29. **Valiantzas, J.D.** “Closure to "Inlet pressure, energy cost, and economic design of tapered irrigation submains” *Journal of Irrigation and Drainage Engineering, ASCE* 131 (2): 224-225, 2005.
30. **Valiantzas, J.D., and N. Dercas.** “Economic design of center-pivot sprinkler laterals” *Journal of Irrigation and Drainage. Engineering, ASCE*, 130 (6): 491-498, 2004.
31. **Valiantzas, J.D.** “Closure to "Explicit hydraulic design of microirrigation submain units with tapered manifold and laterals” *Journal of Irrigation and Drainage. Engineering, ASCE* 131 (3): 299-300, 2005.
32. **Valiantzas, J.D.** “Discussion of “Linear Solution for Hydraulic Analysis of Tapered Microirrigation Laterals” *Journal of Irrigation and Drainage Engineering, ASCE*, 131(5), 487-489, 2005.
33. **Valiantzas, J.D.** “Modified Hazen-Williams and Darcy-Weisbach equations for friction and local head losses along irrigation laterals” *Journal of Irrigation and Drainage Engineering, ASCE*, 131(4), 342-350, 2005.
34. **Valiantzas, J.D.** “Simplified versions for the Penman evaporation equation using routine weather data” *Journal of Hydrology*, 331(3-4), 690-702, 2006.
35. **Valiantzas, J.D., N. Derkas, and G. Karantounias.** “Explicit optimum design of simple irrigation delivery system”, *Transactions of the ASAE*, 50(2), 429-438, 2007.
36. **Valiantzas, J.D.** Closure to "Modified Hazen-Williams and Darcy-Weisbach Equations for Friction? and Local Head Losses along Irrigation Laterals" by John D. Valiantzas *Journal of Irrigation and Drainage Engineering, ASCE*, 133 (4), 421, 2007.
37. **Valiantzas, J.D., P.A Londra, and A. Sasselou.** “Explicit formulas for the soil water diffusivity using the one-step outflow technique” *Soil Science Society of America Journal*, 71(6), 1685-1693, 2007.

38. **Valiantzas, J.D.** “Explicit power formula for the Darcy - Weisbach pipe flow equation: Application in optimal pipeline design” *Journal of Irrigation and Drainage Engineering, ASCE*, 134 (4), 454-461, 2008.
39. **Valiantzas, J.D., and P.A Londra.** “Direct determination of the Brooks-Corey hydraulic functions by fitting an extended power function to the outflow method data” *Journal of Hydrology*, 362(1-2), 128-133, 2008.
40. **Valiantzas, J.D., V. Pollalis, K. Soulis, and P.A. Londra.** “Modified form of the extended Kostiakov equation including various initial and boundary conditions” *Journal of Irrigation and Drainage Engineering, ASCE* Volume: 135 (4), 450-458, 2009.
41. **Soulis, K.X., J.D. Valiantzas, N. Dercas, and P.A. Londra.** “Analysis of the runoff generation mechanism for the investigation of the SCS-CN method applicability to a partial area experimental watershed” *Hydrology and Earth System Sciences*, 13(5): 605-615, 2009.
42. **Valiantzas, J.D.** “New linearized two-parameter equation for direct determination of conductivity and sorptivity” *Journal of Hydrology*, 384(1-2), 1-13, 2010.
43. **Valiantzas, J.D.** “Combined Brooks-Corey / Burdine and Van Genuchten / Mualem Closed Form Model for Improving Prediction of Unsaturated Conductivity” *Journal of Irrigation and Drainage Engineering, ASCE*, 137(4): 223-233, 2011
44. **Valiantzas, J.D., E.D. Pollalis, K.X. Soulis, and P.A. Londra.** “Rapid Graphical Detection of Weakness Problems in Numerical Simulation Infiltration Models Using a Linearized Form Equation” *Journal of Irrigation and Drainage Engineering, ASCE*, 137(8):524-529, 2011
45. **Dercas, N., and J.D. Valiantzas.** “Two explicit optimum design methods for a simple irrigation delivery system: Comparative application” *Irrigation and Drainage*, 61(1): 10-19, 2012 .
46. **Soulis, K.X., and J.D. Valiantzas.** “Variation of Runoff Curve Number with Rainfall in Heterogeneous Watersheds. The Two-CN system approach” *Hydrology and Earth System Sciences*, 16(3): 1001-1015, 2012.
47. **Londra, P.A., and J.D. Valiantzas.** “Soil water diffusivity determination using a new two-point outflow method” *Soil Science Society of America Journal*, 75(4):1343-1346, 2011.
48. **Valiantzas, J.D. and P.A. Londra.** “Simplified Equations for the Determination of the Hydraulic Properties of Horticultural Substrates by One-Step Outflow Experiments”. *Journal of Plant Nutrition and Soil Science*, 175(1):49-52, 2012 .

49. **Soulis K.X., N. Dercas, J.D. Valiantzas.** “Wildfires impact on hydrological response – the case of Lykorrema experimental watershed.” *Global NEST Journal*, 14(3):303-310, 2012.
50. **Londra, P.A., M. Psychoyou, and J.D. Valiantzas..** “Evaluation of substrate hydraulic properties amended by urea-formaldehyde resin foam”. *HortScience*, 47(9):1375-1381, 2012.
51. **Soulis K.X., and Valiantzas, J.D.** “Identification of the SCS-CN Parameter Spatial Distribution Using Rainfall-Runoff Data in Heterogeneous Watersheds”. *Water Resources Management*, 27(6): 1737-1749, 2013
52. **Valiantzas, J.D.** Discussion of “Case Study on the Accuracy and Cost/Effectiveness in Simulating Reference Evapotranspiration in West-Central Florida” *Journal of Hydrologic Engineering*, 17(10);224-225, 2012
53. **Valiantzas, J.D.** “Simplified Reference Evapotranspiration Formula Using an Empirical Impact Factor for Penman's Aerodynamic Term”. *Journal of Hydrologic Eng.*, 18(1): 108-114, 2013.
54. **Valiantzas, J. D.** “Simple ET₀ forms of Penman’s equation without wind and/or humidity data I Theoretical development ” *Journal of Irrigation and Drainage Engineering, ASCE*, , 139(1): 1-8, 2013.
55. **Valiantzas, J. D.** “Simple ET₀ forms of Penman’s equation without wind and/or humidity data II-Comparisons with reduced Set-FAO and other methodologies.” *Journal of Irrigation and Drainage Engineering, ASCE*, 139(1): 9-19, 2013
56. **Pollalis, E.D., and Valiantzas, J.D** “ Determining sorptivity and hydraulic conductivity using ring infiltrometers- Numerical theoretical, and experimental approach”, 2013, under revision.
57. **Valiantzas, J. D.** “Simplified forms for the standardized FAO-56 Penman-Moneith reference evapotranspiration using limited weather data” *Journal of Hydrology*, DOI : 10.1016/j.jhydrol.2013.09.005, 2013

13. Publications in conference proceeding

1. **Thirriot, C., et J. Valiantzas.** “Características porométricas d’ assemblages binaires naturels consolidés”, *V Encontro Escoamento es meios porosos*, Rio Janeiro, Vol. II, COPEE UFRJ, pp15, 1977.

2. **Thirriot, C., et J. Valiantzas.** “Simulation numerique de l’influence des heterogeneites sur les proprietes hydrodynamiques d’un aquifere”, *6th International Symposium in porous media of I.A.H.R.*, pp 2.1-2.18, Thessaloniki, 1978.
3. **Thirriot, C., et J. Valiantzas.** “Le role de la macrodispersion pour les phenomenes de transfert thermique dans un aquifere”, *7th International Symposium in porous media of I.A.H.R.*, Toulouse, 1980.
4. **Thirriot, C., et J. Valiantzas.** “Problemes et procedes de simulation numerique des ecoulements en milieu poreux heterogene”, *Colloque “Variabilite spatiale de processus de transfer dans les sols”*, ed. INRA, Publ. pp 47-71, 1983.
5. **Valiantzas, J.D.** “Hydraulic conductivity determination from outflow data when plate resistance is non-negligible” *Intern. Symposium “Water management for food production”*, Athens, pp 1.19-1.21, 1988.
6. **Βαλιάντζας, Ι.Δ., και Α. Μπούμπουκα-Σασσάλου.** “Ανάλυση ενός στατιστικού μοντέλου και της μεθόδου εκροής για τον υπολογισμό της υδραυλικής αγωγιμότητας” *Πρακτικά 4ου Πανελληνίου Συνεδρίου της Ε.Υ.Ε.*, σελ. 405-417, 1990.
7. **Kerkides, P., J. Valiantzas, and A. Boubouka.** “Influence of the use of anaerobic swine logoom effluent for irrigation purposes on the hydraulic properties of soils” in *Proc. Conf. Chemical (toxic) substances in the environment*” The University of the Aegean, Molyvos-Lesvos pp 619-638 Sept. 1990.
8. **Βαλιάντζας, Ι.Δ.** “Απλοποιημένη μέθοδος σχεδιασμού σε συστήματα άρδευσης με αυλάκια – Σύγκριση με την SCS μέθοδο”. *Πρακτικά 8ου Συνεδρίου Ελλ. Υδροτ. Εν.*, Αθήνα, 451-458, Απρ. 2000.
9. **Londra, P., J.D. Valiantzas, and S. Aggelides.** 2000. “Calculation of substrate hydraulic conductivity with different methods and its comparison with experimental measurements”. *Proceedings of the 8th National Conference of the Hellenic Soil Science Society.* Kavala, 21-23 September, pp. 562-568. (in Greek), 2000.
10. **Λόντρα, Π., και Ι. Βαλιάντζας.** “Απλοποιημένη μέθοδος προσδιορισμού υδραυλικής αγωγιμότητας υποστρωμάτων με τη μέθοδο εκροής ενός βήματος”. *Σελ. 69-78. Πρακτικά 9ου Πανελληνίου Εδαφολογικού Συνεδρίου, Αθήνα, 2002.*
11. **Βαλιάντζας, Ι.Δ., Λόντρα Π., και Σασσάλου Α.** “Απλοποιημένες εξισώσεις για τον προσδιορισμό υδραυλικών χαρακτηριστικών εδαφών από πειράματα εκροής ενός βήματος”. *Πρακτικά 9ου Πανελληνίου Συνεδρίου της Ε.Υ.Ε.*, 2003, σελ. 241-248.
12. **Βαλιάντζας, Ι.Δ.** “Βέλτιστος υδραυλικός σχεδιασμός συστημάτων μικροαρδευσης σε επικλινή εδάφη”. *Πρακτικά 9ου Πανελληνίου Συνεδρίου της Ε.Υ.Ε.*, 2003, σελ. 233-240.
13. **Λόντρα, Π., Ι.Δ. Βαλιάντζας, Α. Σασσάλου, και Μ. Γεδεών.** “Διερεύνηση υδραυλικών ιδιοτήτων διαφόρων υποστρωμάτων που χρησιμοποιούνται στην ανθοκομία”. *Πρακτικά 10ου Πανελληνίου Εδαφολογικού Συνεδρίου, 2004, σελ. 629-640.*

14. **Σασσάλου, Α., Ι.Α. Βαλιάντζας, Π. Λόντρα, και Τ. Ζέρβα.** “Προσδιορισμός χαρακτηριστικών καμπύλων υγρασίας εδαφών με τη μέθοδο εκροής ενός βήματος και την παράλληλη χρήση τασιμέτρου”. Πρακτικά 10ου Πανελληνίου Εδαφολογικού Συνεδρίου, 2004, σελ. 241-248.
15. **Valiantzas J.D., Asimakopoulos A., Dercas N., Soulis K.,** Development of a software tool for the hydraulic design of microirrigation systems with sloping irrigation pipelines. Proceedings of the 4th Congress of the Hellenic Society of Agricultural Engineers, Athens: 6 - 7 October, 2005.
16. **Βαλιάντζας, Ι.Α.** “Απλοποιημένες εξισώσεις για τον υπολογισμό εξάτμισης από υδάτινες επιφάνειες και εξατμισοδιαπνοής αναφοράς”. Σελ. 31-37. 10^ο Πανελλήνιο Επιστημονικό Συνέδριο της ΕΥΕ, Ξάνθη, 12-15 Δεκεμβρίου, 2006.
17. **Βαλιάντζας, Ι.Α., Β. Σκούρας, Α. Σασσάλου, και Π. Λόντρα.** “Έκροή ενός βήματος με παράλληλη χρήση τασιμέτρου για τον προσδιορισμό υδραυλικών ιδιοτήτων πορωδών σωμάτων”. Σελ. 829-836. 10^ο Πανελλήνιο Συνέδριο Ελληνικής Υδροτεχνικής Ένωσης, Ξάνθη, 12-15 Δεκεμβρίου 2006.
18. **Δέρκας, Ν., και Ι.Α. Βαλιάντζας.** “Μέθοδος βέλτιστου σχεδιασμού απλών αρδευτικών δικτύων υπό πίεση. Εφαρμογή στις Ελληνικές συνθήκες”. Σελ. 777-784. 10^ο Πανελλήνιο Συνέδριο Ελληνικής Υδροτεχνικής Ένωσης, Ξάνθη, 12-15 Δεκεμβρίου 2006.
19. **Βαλιάντζας, Ι.Α., Β. Σκούρας, Α. Σασσάλου, και Π. Λόντρα.** “Προσδιορισμός υδραυλικών ιδιοτήτων μειγμάτων υποστρωμάτων με τη μέθοδο εκροής ενός βήματος και την παράλληλη χρήση τασιμέτρου”. Σελ. 143-153. 11^ο Πανελλήνιο Εδαφολογικό Συνέδριο, Άρτα, 4-7 Οκτωβρίου 2006.
20. **Δέρκας, Ν., και Ι.Α. Βαλιάντζας.** “Μέθοδος βέλτιστου σχεδιασμού απλών αρδευτικών δικτύων υπό πίεση. Εφαρμογή για τις ελληνικές συνθήκες”. 10^ο Πανελλήνιο Επιστημονικό Συνέδριο της ΕΥΕ, Ξάνθη, 12-15 Δεκεμβρίου, 2006, pp 777-784.
21. **Soulis K., Dercas N., Valiantzas J.D.,** Presentation of the Experimental Watershed in the Stream Lykorrema of Penteli Mountain, Proceedings of the 5th Congress of the Hellenic Society of Agricultural Engineers, Larissa: 18 – 20 October 2007.
22. **Λόντρα, Π., Ι.Α. Βαλιάντζας, Α. Σασσάλου, και Χ. Παπαμάνθος.** “Απλοποιημένη πειραματική διαδικασία προσδιορισμού του συντελεστή διάχυσης με μια νέα μέθοδο εκροής δύο σημείων”. 11^ο Πανελλήνιο Συνέδριο Ελληνικής Υδροτεχνικής Ένωσης – 7^ο Πανελλήνιο Συνέδριο Ελληνικής Επιτροπής Διαχείρισης Υδατικών Πόρων, Βόλος, 27-30 Μαΐου 2009.
23. **Βαλιάντζας, Ι.Α.** “Βελτιωμένο κλειστής μορφής μοντέλο περιγραφής υδραυλικών ιδιοτήτων εδάφους”. 11^ο Πανελλήνιο Συνέδριο Ελληνικής Υδροτεχνικής Ένωσης – 7^ο Πανελλήνιο Συνέδριο Ελληνικής Επιτροπής Διαχείρισης Υδατικών Πόρων, Βόλος, 27-30 Μαΐου 2009.
24. **Pollalis, E., K. Soulis, E. Diamantopoulos, P. Londra, G. Kargas, and J.D. Valiantzas.** “Evaluation of a low cost soil moisture sensor”. Proceedings of the 11th National Conference of the Hellenic Hydrotechnical Association. –7th National Conference of the Hellenic Committee of Water Recourses Management. Volos, 27-30 May, pp. 677-684. (in Greek), 2009
25. **Soulis K., Londra P., Alonistioti D., Pollalis E. and Valiantzas J. D.,** Investigation of wildfires effect on flood runoff. 6^ο Proceedings of the 6th Congress of the Hellenic Society of Agricultural Engineers, Thessaloniki, 8-10 October, 2009.

26. **Soulis, K., J. Valiantzas, and N. Dercas.** “Modelling forest fires hydrological impact using spatio-temporal geographical data”. International Congress on Environmental Modelling and Software, Modelling for Environment’s Sake, Fifth Biennial Meeting (iEMSs), Ottawa, Canada, 2010.
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