

ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ

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II. ΣΠΟΥΔΕΣ

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Περιοχή Εξειδικεύσεως : Υδραυλική
- M.S., Dept. of Civil and Mineral Engineering, University of Minnesota, Minneapolis, MN, 1977.
Περιοχή Εξειδικεύσεως : Υδραυλική
- Δίπλωμα, Σχολή Πολιτικών Μηχανικών, Εθνικό Μετσόβιο Πολυτεχνείο, 1975

III. ΙΣΤΟΡΙΚΟ ΕΡΓΑΣΙΑΣ

- 1973 - 75 : Βοηθός Μηχανικός, Τεχν. Γραφείο Αρ. Παπαδοπούλου, Αθήνα.
- 1976 - 80 : Βοηθός Διδασκαλίας και Έρευνας, Dept. of Civil and Mineral Engineering, St. Anthony Falls Hydr. Lab., University of Minnesota.
- 1980 - 86 : Assistant Professor, Dept. of Civil and Environmental Engineering, Rutgers University, New Brunswick, New Jersey.
- 1986 - 87 : Associate Professor, Dept. of Civil and Environmental Engineering, Rutgers University, New Brunswick, New Jersey.
- 1987 - 90 : Επίκουρος Καθηγητής, Τμήμα Πολιτικών Μηχανικών, Πανεπιστήμιο Πατρών.
- 1990 - 95 : Αναπληρωτής Καθηγητής, Τμήμα Πολιτικών Μηχανικών, Πανεπιστήμιο Πατρών.
- 1992 (Φεβρουάριο - Αύγουστο):
Visiting Professor, Center for Environmental Engineering,
Stevens Institute of Technology, Hoboken, New Jersey.
- 1995 - συν: Καθηγητής, Τμήμα Πολιτικών Μηχανικών, Πανεπιστήμιο Πατρών.
- 1999 - συν: ΣΕΠ, Ελληνικό Ανοικτό Πανεπιστήμιο, μεταπτυχιακό πρόγραμμα *Περιβαλλοντικός Σχεδιασμός Πόλεων και Κτιρίων και Περιβαλλοντικός Σχεδιασμός Έργων Υποδομής*
- 1999 – 2003: Πρόεδρος, Τμήμα Πολιτικών Μηχανικών, Πανεπιστήμιο Πατρών
- 2003 – 2006: Κοσμήτορας Πολυτεχνικής Σχολής, Πανεπιστήμιο Πατρών
- 2006 – συν: Διευθυντής Εργαστηρίου Υδραυλικής Μηχανικής
- 2007 – 2011: Πρόεδρος, Τμήμα Πολιτικών Μηχανικών, Πανεπιστήμιο Πατρών

IV. ΜΕΛΟΣ

American Society of Civil Engineers
American Water Resources Association
American Geophysical Union
International Association for Hydraulic Research
Τεχνικό Επιμελητήριο Ελλάδος
Ελληνική Εταιρεία Θεωρητικής και Εφαρμοσμένης Μηχανικής

Ελληνική Εταιρεία Υπολογιστικής Μηχανικής
Ελληνική Υδροτεχνική Ένωση

V. ΣΥΜΒΟΥΛΟΣ - ΕΜΠΕΙΡΟΓΝΩΜΩΝ

New Jersey Department of Environmental Protection
Andover Township Planning and Zoning Board; Andover Twsp., N.J.
Melick - Tully and Associates, Inc.
K. Hovnanian Companies of New Jersey, Inc.
Donald W. Smith Associates
ΕΤΒΑ, Βιομηχανική Ζώνη Πατρών
Περιφέρεια Δυτικής Ελλάδος

VI. ΔΗΜΟΣΙΕΥΣΕΙΣ (περί τις 150 αναφορές στο SCI)

• Διατριβές, Βιβλία

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• Δημοσιεύσεις σε Περιοδικά με Κριτές

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28. Yannopoulos P.C., Demetracopoulos A.C., "Contributions towards the prediction of velocity distribution in open channel flows", Proc. Intl. Conf. Comp. Methods in Water Resour. XII, Crete, Greece, June 1998, Computational Methods in Surface and Ground Water Transport, V.N. Burganos et al. (eds.), Comp. Mechanics Publ., 1998

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• Τεχνικές Εκθέσεις

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VII. ΑΚΑΔΗΜΑΙΚΕΣ ΚΑΙ ΕΡΕΥΝΗΤΙΚΕΣ ΔΡΑΣΤΗΡΙΟΤΗΤΕΣ

• Τρέχοντα Ερευνητικά Ενδιαφέροντα

Διαδικασίες Μίξεως σε Επιφανειακά και Υπόγεια Υδατα
 Υδροδυναμική Λιμνών, Ταμιευτήρων και Παρακτίων Υδάτων
 Αριθμητικές Μέθοδοι στην Υδραυλική-Υδρολογική Μεταφορά Μάζης
 Χώροι Υγειονομικής Ταφής Απορριμμάτων
 Δίκτυα Υποδομής
 Ποτάμια συστήματα και Παράκτια Υδραυλική

• Χρηματοδοτημένη Έρευνα

1. "Analysis and Simulation of Leachate Generation and Transport in Solid Waste Landfills and Resulting Contamination of Ground Water Supplies", New Jersey Department of Environmental Protection, A. C. Demetracopoulos, Co-Principal Investigator, 1982 - 1983, \$225,000
2. "Modeling of Transverse Mixing in Riverine Systems", Rutgers Research Council, 1984, Summer Fellowship \$1500 and Grant \$1000
3. "Experimental and Mathematical Investigations on the Effects of Flow and Mass Transport of Hazardous Liquids through Soils", NSF Industry / University Cooperative Research Center for Hazardous Wastes (NJIT), A. C. Demetracopoulos, Principal Investigator, 1984 - 1987, \$95,000
4. "Production of Selected Contaminants from Municipal Solid Waste Landfills", New Jersey Department of Environmental Protection, A. C. Demetracopoulos, Principal Investigator, 1984 - 1986, \$112,000
5. "Chloride Release from Municipal Waste Landfills", Center for Coastal and Environmental Studies, Division of Water Resources/USGS, Principal Investigator, 1985 - 1986, \$16,000
6. "Έρευνα Παλιρροιών και Θαλασσίων Σεισμικών Κυμάτων για το Έργο Ζεύξης Ρίου-Αντιρρίου", ΥΠΕΧΩΔΕ, 1991 - 1993, δρχ. 15.120.000, Χρ. Χατζηθεοδώρου, Ι. Αντωνόπουλος (επιστημονικοί υπεύθυνοι).
7. "Δειγματολήπτες Υπογείων Υδάτων για Φρέατα", Ευρωπαϊκή Κοινότητα, 1990 - 1993, ECU 63.000, Β. Καλέρης (επιστημονικός υπεύθυνος).
8. "Διερεύνηση Υδραυλικής Συμπεριφοράς Αγωγού Υδροδότησης Βιομηχανίας Δερμάτων Ελλάδος", 1994 - 1995, δρχ. 1.700.000, Χρ. Χατζηθεοδώρου (επιστημονικός υπεύθυνος).
9. "Έλεγχος Μελέτης Δικτύου Υδρευσης Νομού Ηλείας", 2005, 15.000 €, Α.Κ. Δημητρακόπουλος (επιστημονικός υπεύθυνος).
10. «Καινοτόμες Μορφές Επέμβασης για Διαχείριση Υποδομών και Περιβαλλοντικών Επιπτώσεων», 2006-2008, Πρόγραμμα «Περιφερειακός Πόλος Καινοτομίας Δυτ. Ελλάδας» ΓΓΕΤ, Α. Κ. Δημητρακόπουλος (επιστημονικός υπεύθυνος).
11. «Διερεύνηση χαρακτηριστικών ροής ύδατος σε εργαστηριακό ομοίωμα μονάδας υδροληψίας αντλιών ψύξης», 2006, ΜΕΤΚΑ Α.Ε., Α.Α. Δήμας (επιστημονικός υπεύθυνος).
12. «Διερεύνηση υδραυλικής συμπεριφοράς υπερχειλιστή φράγματος Αστερίου μέσω εργαστηριακών ομοιωμάτων», 2007 – 2008, ΥΠΕΧΩΔΕ, Α. Κ. Δημητρακόπουλος (επιστημονικός υπεύθυνος).
13. «Εργαστηριακή διερεύνηση αποτελεσματικότητας διατάξεων καταστροφής ενέργειας στην λειτουργία ανοικτού αγωγού με έντονη κλίση πυθμένα», 2007 – 2008, ΑΚΤΩΡ Α.Ε., Α. Κ. Δημητρακόπουλος (επιστημονικός υπεύθυνος).
14. «Διερεύνηση των επιπτώσεων και ιδιαιτέρως επί της στερεομεταφοράς εκ δυνητικών απολήψεων σε πέντε ημιορεινά υδατορρέυματα», 2008 – 2009, ΑΠΙΟΝ ΚΛΕΟΣ Κ/Ξ, Α. Κ. Δημητρακόπουλος (επιστημονικός υπεύθυνος).
15. «Προσδιορισμός ομβρίων καμπυλών για την περιοχή της Δυτικής Ελλάδας από την Πάτρα έως τον Πύργο», 2008, ΣΥΣΤΑΣ Ε.Μ.Ε., Β. Καλέρης (επιστημονικός υπεύθυνος).

16. «Διερεύνηση των επιπτώσεων και ιδιαιτέρως επί της στερεομεταφοράς εκ δυνητικών απολήψεων στους ποταμούς Αλφειό-Ερύμανθο», 2009 – 2010, ΑΠΙΟΝ ΚΛΕΟΣ Κ/Ξ, Α. Κ. Δημητρακόπουλος (επιστημονικός υπεύθυνος).

17. «Διερεύνηση χαρακτηριστικών ροής ύδατος σε εργαστηριακό ομοίωμα μονάδας υδροληψίας αντλιών ψύξης», 2009 – 2010, ΜΕΤΚΑ Α.Ε., Α.Α. Δήμας (επιστημονικός υπεύθυνος).

18. «Εργαστηριακή διερεύνηση συμπεριφοράς ροής ύδατος σε υδραυλικό ομοίωμα μονάδας θαλάσσιας υδροληψίας έξι αντλιών, 2010 – 2011, ΜΕΤΚΑ Α.Ε., Α.Α. Δήμας (επιστημονικός υπεύθυνος).

19. «Αριθμητική διερεύνηση επιπτώσεων πλημμύρας στα κατάντη λόγω αστοχίας – κατάρρευσης του φράγματος Αστερίου», 2010 – 2011, ΥΠΕΧΩΔΕ, Α. Κ. Δημητρακόπουλος (επιστημονικός υπεύθυνος).

20. «Αριθμητική διερεύνηση κατανομής ταχύτητας και υπολογισμός δυνάμεων σε υποθαλάσσιο αγωγό προσαγωγής ύδατος υπό συνθήκες μόνιμης και μη-μόνιμης ροής», 2011, ΜΕΤΚΑ Α.Ε., Α.Α. Δήμας (επιστημονικός υπεύθυνος).

• Σεμινάρια

Κατά την περίοδο Φεβρουαρίου - Ιουλίου 1992, παρουσίασε σειρά σεμιναρίων σε μεταπτυχιακούς φοιτητές του Department of Civil, Environmental and Coastal Engineering, Stevens Institute of Technology. Στα σεμινάρια εκαλύφθησαν μέθοδοι για την μελέτη και αριθμητική προσομοίωση ροής και μεταφοράς ρύπων σε υπόγεια ύδατα.

Εχει διδάξει σε επιμορφωτικά σεμινάρια για Πολιτικούς Μηχανικούς και Μηχανικούς Περιβάλλοντος τόσο στην Ελλάδα όσο και στις ΗΠΑ.

VIII. ΔΙΔΑΚΤΙΚΕΣ ΔΡΑΣΤΗΡΙΟΤΗΤΕΣ

Πανεπιστήμιο Rutgers

α. Μεταπτυχιακά μαθήματα:

180:563 Advanced Hydrology

180:567 Analysis of Receiving Water Quality

180:568 Thermal Effects on Receiving Waters

180:574 Groundwater Engineering

β. Προπτυχιακά μαθήματα:

180:101 Intro. to Civil and Environmental Engineering

180:343 Mechanics of Solids

180:387 Fluid Mechanics

180:389 Fluid Mechanics Lab

180:443 Advanced Hydraulics

180:448 Elements of Hydrology

Πανεπιστήμιο Πατρών

α. Μεταπτυχιακά μαθήματα:

Περιβαλλοντική Υδραυλική

Ειδικά Θέματα Υδραυλικής Μηχανικής – Τυρβώδεις Ροές

β. Προπτυχιακά μαθήματα:

Ρευστομηχανική

Εργαστηριακά Θέματα Υδραυλικής Μηχανικής.

Υδραυλική

Υδρολογία

Υπολογιστική Υδραυλική

Ελληνικό Ανοικτό Πανεπιστήμιο

Διδασκαλία της θεματικής ενότητας «Σχεδιασμός, Περιβαλλοντικές Επιπτώσεις και Μέθοδοι Εκτίμησής τους» του μεταπτυχιακού προγράμματος Περιβαλλοντικός Σχεδιασμός Πόλεων και Κτιρίων του Ελληνικού Ανοικτού Πανεπιστημίου

ΙΧ. ΑΛΛΕΣ ΕΠΑΓΓΕΛΜΑΤΙΚΕΣ ΔΡΑΣΤΗΡΙΟΤΗΤΕΣ**• Κριτής**

1. ASCE, Journal of Hydraulic Engineering
2. ASCE, Journal of Environmental Engineering
3. American Geophysical Union, Water Resources Research
4. American Water Resources Association, Water Resources Bulletin
5. Τεχνικά Χρονικά
6. Διάφορα Συνέδρια

• Διάφορα

1. Member; Committee on Groundwater, Hydraulics Division, ASCE
2. Συμμετοχή στην διοργάνωση του "Symposium on Surface Water Impoundments", June 1980, Minneapolis, MN
3. Πρόεδρος και μέλος Οργανωτικών Επιτροπών για την σειρά Συνεδρίων "Restoration and Protection of the Environment", '92, '94, '96, '98, '00, '02