CURRICULUM VITAE

Patras, October 2023

1. GENERAL INFORMATION

Name: Panayotis C. Yannopoulos

Birth year and place: 1953, Vounargon of Ileias Prefecture, Greece.

Married with Angeliki Victoratou and they have three children.

Organization of main occupation: University of Patras, 265 04 Patras, Greece

Tel. (+30 2610) 996527, 996534 – Fax (+30 2610) 996573

E-mail: yannopp@upatras.gr, p.c.yannopoulos@upatras.gr

Title, position, activity: Emeritus Professor of the University of Patras from September 2020.

Full Professor, Director of the Environmental Engineering Laboratory of the Civil Engineering Department 2014-2020.

Diploma, year: Faculty of Civil Engineers of the National Technical University of Athens (N.T.U.A.), certified in 1976

Doctorate degree, year, dissertation title:

N.T.U.A., 1985, *Interaction of vertical round turbulent buoyant jets*

Foreign languages: English

Membership

* Technical Chamber of Greece, Greek Club of Civil Engineers, Hellenic Hydrotechnical Union, Greek Committee for Water Resources Management, European Water Resources Association, Greek Association of Computational Mechanics, British Graduates Society (B.G.S.), International Association for Hydraulic Research (I.A.H.R.), Association of University Departments of Environmental Sciences in Europe (auDes), Global Network of Environmental Science and Technology (G.NEST), Joint Specialist Group (JSG) on Marine Outfalls and Coastal Environment (MOCE). European Water Resources Association (EWRA) (Membership No. 00990034). European Geosciences Union (EGU) (Membership No. 188390, years 2012, 2013, 2015). International Water Association (IWA) (IWA membership number is 01063979).

Scientific areas of interest:

* Environmental Engineering with emphasis in the disposal of air pollutants and wastewater (pollutant transport and dispersion, design of disposal systems, discharge and quality measurements)
* River basin management and decision support, Environmental impact assessment caused by infrastructure works and related activities

Academic experience:

* Hydraulics Laboratory, Chair of Theoretical and Applied Hydraulics, N.T.U.A. (1979-1985)
* Visiting Research Assistant, Civil Eng. Department, University of Birmingham (1986-1987)
* Researcher, Division of Water Resources, Hydraulic and Maritime Engineering of the Civil Engineering Department, N.T.U.A. (1988).
* Lecturer, Department of Civil Engineering, University of Patras (1989-93)
* Assistant Professor, Department of Civil Engineering, University of Patras (1993-2007)
* Associate Professor, Department of Civil Engineering, University of Patras (2008-2014)
* Full Professor, Department of Civil Engineering, University of Patras (2014-2020)

Professional experience:

* Part-time employment, Technical Division of the Ministry of Public Works (1975-1976)
* Hellenic Air Force, Second Lieutenant, Maintenance of Air Force Installations (1976-1979)
* Free profession in Civil Engineering (1976-1993)
* Technical Examiner, Technical Chamber of Greece (1980)
* Hydraulic Engineering Consultant, Category 13, Certificate for Class B studies (1981-1993).

Awards:

* Visiting Research Assistant, Civil Eng. Department, University of Birmingham (1986-1987)
* Best Poster presentation, First World Conference on Experimental Heat Transfer, Fluid Mechanics and Thermodynamics, Dubrovnik, Yugoslavia, 1988, Eds. R.K. Shah, K.T. Yang and E.N. Ganic, Elsevier
* Best Poster Award “Simulation of variable-density groundwater flow and transport in the coastal aquifer of the Pyrgos area (Greece)” by Zissis Th. & Yannopoulos P., VI Int. Conf. “Water Engineering and Management in a Changing Environment”, European Water Resources Association (EWRA), Catania, Italy, June 29th - July 2nd, 2011, Chair of the Local Organizing Committee Prof. Antonini Cancelliere.
* Best Poster Award, “Proposing buffer zones and simple technical solutions for safeguardingriver water quality and public health” by Podimata M.V., Bekri E.S. & Yannopoulos P.C., General Assembly 2012 (EGU 2012), HS7.3/CL2.9/NP1.3 Climate, water and health. Convener: A. Langousis, 22–27 April 2012, Vienna, Austria.
* Best MSc Thesis award “Game Theory Applications in the Management of Sand-gravel mining in the River Alfeios” by Podimata M.V. & Yannopoulos P.C. E-Proceedings 2nd Common Congress of the Hellenic Hydrotechnical Union and Greek Committee for the Water Resources Management, 11-13 Oct. 2012, Patras, pp. 350-361 (in Greek).
* Distinguished proposal 34: Simulation of Inclined Buoyant Jet (4440). 2nd Competition of Applied Research and Innovation. INNOVATION 2012-13. COMPETITION ORGANIZATION: BSE and Eurobank EFG.
* Third award by Hellenic Hydrotechnical Union on 9.12.2013, for the Diploma Thesis “Transport of Pollution Loads” by Ch. N. Giannopoulos, supervised by P.C. Yannopoulos.
1. ORGANIZATION AND RESEARCH ACTIVITIES

Congresses Organizer and Chairman

* International Conference "*PROTECTION AND RESTORATION OF THE ENVIRONMENT XV*", Patras, Greece, 2020.
* 2nd Common Congress of the Hellenic Hydrotechnical Union and Greek Committee for the Water Resources Management, 11-13 Oct. 2012, Patras (in Greek).

Participation in Congresses Organizing Committees

* International Conference "*PROTECTION AND RESTORATION OF THE ENVIRONMENT II*", Patras, Greece, 1994.
* Panhellenic Conference of the Departments of Civil Engineering, 14-17 May 1997.
* 7th Panhellenic Conference of the Hellenic Hydrotechnical Union, University of Patras, October 14-18, 1997.
* International Conference "*PROTECTION AND RESTORATION OF THE ENVIRONMENT XVI*", Kalamata, Greece, 2022.

Worshops and Seminar organizer

* "*Interaction of Vertical Round Turbulent Buoyant Jets*" in the University of Birmingham, 20-5-1987.
* "*Waste and Wastewater Management*", Patras 1990, on behalf of ELKEPA.
* Workshop on "Environmental Problems of the Region of Western Greece", co-organized, Technical Chamber of Greece-Department of Western Greece, 1995.
* Workshop on "Treatment and Disposal of Liquid Industrial Waste" in the University of Patras, co-organized, Human Network for Dissemination of R&T Knowledge of the Operational Program of Research and Technology - EPET II, GSRT, 21-22/11/1996.
* Workshop on "Integrated Solid Waste Management in Western Greece, Problems - Prospects", in the University of Patras, May 29, 2002, co-organized by the University of Patras and the Technical Chamber of Greece-Department of Western Greece.
* Workshop moderator on «Aspects in developing an integrated management plan for a watershed. The Alfeios River basin case-study» in the International Conference Euroscience Mediterranean Event “ESME 2009”, 15-19/10/2009, Athens, Greece.
* Organizer and Chairman of eight (8) educational seminars in the Department of the Civil Engineering of the University of Patras with the titles:

1) "Peiros-Parapiros Dam and Accompanying Projects", Invited lectures: Lazaris G., Diamandopoulou P. and Stambolis D., 27/05/2015.

2) "Bioclimatic Design of Buildings", Invited lectures: Romanos J., Palantzas St. and Kapetanakis K., 25/05/2016.

3) "Bioclimatic Design of Buildings" (repeated), Invited lectures: Hadios K., Palantzas St. and Kapetanakis K., 07/12/2016.

4) "Statistical Checks for Model Selection and Validity of a Predictive Algorithm", Co-organized with P. Economou, Invited lecture: Batsidis A., 26/04/2017.

5) "Entrepreneurship in the Profession of Engineer", Invited lectures: Korfiatis G., Koutsospyros A. and Christodoulatos C., 31/05/2017.

6) "Process of Design and Construction of Civil Engineering Projects", Invited lectures: Stavropoulos A., Galanis E. and Tsoukalis F.

7) "Smart Applications in Road Infrastructures", Invited lectures: Brilakis J., Karadelis J., 30/05/2018.

8) "Railway Sub-Infrastructure and Overground-Infrastructure Projects", Invited lectures: Spyropoulou K., Tsotsoros D., Datsios N. and Tsapikounis A., 5/12/2018.

Coordinator of Scientific Projects

1. Project Title "Simulation of Exhaust Gas Dispersion from Linear Source" financed by the Research Committee of the University of Patras, 1992-1994.
2. Project Title "Development of Low-Cost Methodologies for Quick Prediction and Monitoring of River Pollution", Funding body: Ministry of Education, EPEAEK II - PYTHAGORAS II Operation Category 2.6.1.xiii, 1/7/2005-31/12/2007.
3. Project Title "Improved simulation of flow and diffusion fields of a round and plane buoyant jet in a moving receiver of uniform density", Code Program C.148, “Basic Research Support - Kon. Karatheodori”, Funding body: Research Committee of the University of Patras, Period 1/5/2007-30/4/2010.
4. Project Title “Establishment of an Intra-University Research Network "HYDROKRITIS", Code Program C.788, Mediation Office of the University of Patras, 2009-2010.
5. Project Title "Management of Environmental Information of River Basins and Decision Making - Implementation in the Alfeios River". Compilation and submission of a proposal to the Ministry of Education, Project Iracleitos II: Strengthening the Human Research Resources through the Implementation of Doctoral Research" (10.04.2009), Act Category 10.74.11.01.01, Code Proposal 12/58/4, 01.01.2011 – 31.12.2014.
6. Project Title "Investigation of the quality of the sea waters in the New Port of Patras", Funding body: Organization of the Port of Patras, 01/01/2014 έως 31/12/2014.
7. Project Title «Διερεύνηση της ποιότητας των θαλασσίων υδάτων στο Λιμένα Πατρών για τις ανάγκες του I.S.O. 14001», Funding body: Organization of the Port of Patras,11/06/2015 έως 10/06/2016.
8. Project Title “Operation of Air Pollution Measurement Station in the Campus of the University of Patras, Rion”, financed by internal funds of the Environmental Engineering Laboratory of the Department of the Civil Engineering of the University of Patras, 2012-2021.
9. Project Title “Operation of a Meteorological Station of the HYDROCRETIS Network in collaboration with the National Observatory of Athens”, financed by internal funds of the Environmental Engineering Laboratory of the Department of the Civil Engineering of the University of Patras, 2018- continued.

Participation in Scientific Projects

* Participation in 29 projects funded by either national or international bodies.

Network Coordinator:

* University Network “HYDROCRITES” (<http://www.hydrocrites.upatras.gr>) dealing mainly with river basin management; it has 36 members totally, a meteorological station included in the Greek Network of the National Observatory of Athens, Greece (2009-2020).

Coordinator of the Station for Air Pollution Measurement of the University of Patras Campus: 2012-2021.

Organization of the Exhibition Stand of the "HYDROCRITES" Network

* During the 2nd Common Congress of the Hellenic Hydrotechnical Union and Greek Committee for the Water Resources Management, 11-13 Oct. 2012, Patras, Greece.

Participation of the Network “HYDRCRITES” in the Patras-IQ Exhibition

* 2nd Expertise Transfer Exhibition, 24-26/04/2015
* 3rd Expertise Transfer Exhibition, 15-17/04/2016
* 4th Expertise Transfer Exhibition, 07-09/04/2017
* 5th Expertise Transfer Exhibition, 27-29/04/2018.

Participation in Specific Scientific Training Courses

- XXX IAHR Congress Short Course: “Design and Construction of Sea Outfalls” 21-22 Aug. 2003, Aristotle University of Thessaloniki, Greece. Course Instructor G.H. Jirka.

- 3rd Int. Conf. on Marine Waste Water Discharges and Marine Environment (MWWD 2004): Short Course B: Hydraulics of the WWTP – Outfall – dispersion systems, 24-25 Sep.; Short Course C: Environmental Risk Assessment from Submarine Outfalls, 28 Sep.; Short Course D: The Cormix Software: Its Developments and Use; 2004 Catania, Sicily.

Reception and cooperation of Visiting Professors

* Thomas Zissis, Professor of the Department of Land Reclamation, Soil Science and Agricultural Engineering of the Department of Agriculture of the Aristotle University of Thessaloniki, Greece has visited and coooperated in the Environmental Engineering Laboratory of the Civil Engineering Department of the University of Patras for one year, 01/11/2010-20/06/2011.

Visits of European Laboratories

* Hydraulics Laboratory of the Department of Civil Engineering of the University of Birmingham, 1986-1987.
* Aerodynamics Laboratory of the Department of Mechanical Engineering of the University of Birmingham, 1986-1987.
* Hydraulics Laboratory of the Department of Civil Engineering of the Imperial College of Science and Technology, 1986-1987.
* Hydraulics Laboratory of the Company Hydraulics Research Ltd in Wallingford, England, 1986-1987.
* Hydraulics Laboratory of the University of Darmstadt, Germany, 2001.
* Hydraulics Laboratory of the Nanyang Technological University, Singapore, 2014.
* Hydraulics Laboratory of the Delft University of Technology, Nethelands, 2015.
1. EDUCATIONAL ACTIVITIES

Teaching (1989-2020):

* The undergraduate courses of *Water Treatment*, *Wastewater Disposal*, *Environmental Impact Assessment from Technical Works*, *Air Pollution*, and *Solid Waste Management*
* The postgraduate courses of Sustainable *Wastewater Disposal*, *Environmental Impact Assessment from Technical Works*, *Simulation of Air Pollution Processes,* *Solid Waste Management* and *Special Issues of Environmental Engineering (Environmental Management Practices)*

Teaching (2020-2022):

* The postgraduate course of Sustainable *Wastewater Disposal*.

MSc. and PhD. Supervisor:

* Supervisor of 38 MSc. Theses in the areas of the disposal of air and water pollutants, river basin management and solid waste management
* Supervisor of the PhD. Dissertations:

1) "Simulation of Buoyant Jets Interaction in Calm or Moving Recipient" by Aristeidis A. Bloutsos (2012).

2) “Environmental Data Management and Decision Support for River Basins - Application in Alfeios River” by Eleni S. Bekri (2015).

3) “Environmental Management Methodologies and Practices Addressed in River Basins and Catchment Areas - Development of game theory techniques for environmental management and decision making” by Marianthi V. Podimata (2015).

4) “Experimental and Numerical Investigation of the Thermal Ring Plume and Associated Buoyant Flows” by Maria K. Stefanidou (2022).

* Member of many 3-member Committees for MSc. degree examinations.
* Member of ten 7-member Committees for PhD. degree examinations.

Invited lectures:

* An invited lecture on "Research Activities", *RMEI, «Sea Sciences and Technologies»*, May 21, 2003, Patras, Greece
* Two invited lectures on *wastewater disposal in water bodies* in the Seminar for the European Student Club BEST, May 6, 2004, Patras, Greece
* Five invited lectures for postgraduate programs of other departments than Civil Engineering.

Socrates-Erasmus-Lonardo da Vinci Programs

Bi-lateral student exchanges during 2003-2004: Ms. Eleni S. Bekri, Candidate for MSc., visited the University of Darmstadt for six months in the context of her Thesis. Then, she worked in the Company Degrémont S.A.S. in France, in the context of the Lonardo da Vinci Program.

1. REVIEWING, PUBLISHING AND AUTHOR WORK

Book Reviewer:

* For the book “*Environmental Impacts from Works and Sites*” by Manoliadis O., Saini K., Souflis K. and Kalaboukas G., Post-graduate Program “Management of Technical Works”, Hellenic Open University (2000).
* For the book “*Principles of Environmental Technology*” by Zouboulis A., Callipos (2014).
* For the book “*Rivers Hydraulic and Technical Works*” by Chrisanthou V., Callipos (2015).
* For the book “*Applications in Fluid Mechanics*” by Rallis G.A., private edition (2018).

Journal Reviewer:

* Journal of Fluid Mechanics (JFM)
* Environmental Fluid Mechanics (EFM)
* Journal of Hydraulic Engineering (ASCE)
* Journal of Hydro-environmentResearch
* Journal of Hydraulic Research (JHR)
* Journal of Fluids Engineering (ASME)
* Journal of Environmental Management
* Journal of Water Resources and Protection
* Water Resources Management
* International Journal of Multiphase Flows
* BMC Medical Research Methodology
* European Water (EWRA)
* Scientia Iranica
* Proceedings of the Institution of Mechanical Engineers, Part E, Journal of Process Mechanical Engineering (JPME)
* Fresenius Environmental Bulletin (FEB)
* Environmental Processes
* Global NEST Journal
* Sustainability
* Technika Chronika (the Journal of Technical Chamber of Greece)
* Hydrotechnika (the Journal of the Hellenic Hydrotechnical Union)

Reviewer for Conference Papers:

* In Proceeding of the International XXX IAHR Congress, 2003
* In Proceeding of the 2005 IASME / WSEAS International Conference on *Energy, Environment, Ecosystems & Sustainable Development*, Vouliagmeni, Athens, Greece
* In Proceeding of the 6th International Symposium on *Environmental Hydraulics*, Athens, Greece, 2010
* In Proceedings of one National Congress on *Theoretical and Applied Mechanics* (1992) and three on *Hydraulics* (1997, 2000, 2003)
* In Proceedings of the International Congress on *Protection and Restoration of the Environment V, VII, XI, XII, XV*, *XVI*, Greece (2000, 2004, 2012, 2014, 2020, 2022)
* In Proceedings of the National Congresses 1997, 2000, 2003 and 2006 of the Hellenic Hydrotechnical Union
* In Proceeding of the International XXX IAHR Congress, Greece, 2003
* In Proceedings of the 5th Congress of Greek Committee for Water Resources Management, Greece, 2005
* In Proceeding of the 6th International Symposium on *Environmental Hydraulics*, Athens, Greece, 23-25 June 2010
* In Proceeding of the 9th International Hydrogeological Congress, Kalavrita Greece, 5-8 Oct. 2011, University of Patras, Department of Geology, Laboratory of Hydrogeology, Rion, Patras
* In Proceedings of the common Congress of the Hellenic Hydrotechnical Union and the Greek Committee for Water Resources Management, Greece, 2012.
* In Proceeding of the 37th IAHR World Congress, Kuala Lumpur, Malaysia, 13-18 August, 2017
* In Proceedings of the 3rd EWaS International Conference on “Insights on the Water-Energy-Food Nexus”, Lefkada Island, Greece, 27-30 June 2018
* In Proceedings of the 4th EWaS Int. Conference on “Valuing the Water, Carbon, Ecological Footprints of Human Activities”, Greece, 2020.

Reviewer of Scientific Proposals:

* For the Project "HERAKLITOS - EPEAEK II" of the Ministry of National Education and Religions.
* Project "PYTHAGORAS II - EPEAEK II" of the Ministry of National Education and Religions.
* Project "E&T Cooperation of GREECE - BRITAIN for the years 2006-2008" of the General Secretariat for Research and Technology.
* Project “Human Resources Development, Education and Lifelong Learning (EDBM34 invitation), 2017.

Editions of Books and Congrees Proceedings

- Six books (Congress Proceedings),

- the chapter of Dams (194 p.),

- 3rd edition in the book of the Hellenic Open University for the MSc Programm “Management of Technical Works”,

* a chapter in the book of HYDROGAIA - Ed. Prof. Stavros Giannopoulos published in the honnor of the emeritus Prof. Christos Tzimopoulos of the Aristotel Univ. of Thessaloniki,
* the Chapter 21 “Quick and Economic Spatial Assessment of Urban Air Quality” in Advanced Air Pollution, Farhad Nejadkoorki (Ed.), ISBN: 978-953-307-511-2, InTech, Croatia,
* a chapter in Perspectives on Atmospheric Sciences, Springer Atmospheric Sciences, DOI 10.1007/978-3-319-35095-0\_123, by Bloutsos A.A. and Yannopoulos P.C. “Monitoring Particulate Pollution in the University of Patras Campus, Greece”, T.S. Karacostas et al. (eds.), and
* a book “Air Pollution in the University of Patras Campus, Greece - Monitoring details and data evaluation for the period 2012-2013” published by the LAP Lambert Academic Publishing.
* the monograph "Numerical Modelling of Laminar and Turbulent Open Channel Flows", Report, August 1987, Department of Civil Engineering, The University of Birmingham, Birmingham, B15 2TT, England, p. 1-50.
* Five university teaching books and classroom notes for the courses of Wastewater Disposal, Environmental Impact Assessment from Technical Works, Air Pollution, Simulation of Air Pollution Processes and Solid Waste Management.

Citations:

678 citations (373 non-including self-citations) *h index* = 15, i10-index = 20 ([Google Μελετητής](https://scholar.google.gr/citations?user=wQNkZ9AAAAAJ&hl=el)).

Scientific publcations

1. In international scientific journals of peer review
2. Discussion by Noutsopoulos G., Hatzicomninou S. & Yannopoulos P. (1979). "Dilution in a Vertical Round Buoyant Jet, by N.E. Kotsovinos", *Journal of the Hydr. Div. (ASCE),* HY5, May, pp. 629-631.
3. Noutsopoulos G.C. & Yannopoulos P.C. (1987). "The Round Vertical Turbulent Buoyant Jet", [*J. of Hydr. Res.,* Vol. 25, No. 4, pp. 481-502](http://www.tandfonline.com/doi/abs/10.1080/00221688709499264).
4. Noutsopoulos G. & Yannopoulos P. (1989).­­ "Axial Dilution in an Obstructed Round Vertical Turbulent Buoyant Jet", [*Journal of Hydr. Engineering (ASCE),* Vol. 115, No. 1, pp. 71-81](http://ascelibrary.org/doi/abs/10.1061/%28ASCE%290733-9429%281989%29115%3A1%2871%29).
5. Yannopoulos P.C. & Noutsopoulos G.C. (1990). "The Plane Vertical Turbulent Buoyant Jet", [*J. of Hydr. Res.,* Vol. 28, No. 5, pp. 1-16](http://www.tandfonline.com/doi/pdf/10.1080/00221689009499046).
6. Yannopoulos P.C. (1996). "Superposition Model for Multiple Plumes and Jets Predicting End Effects", [*Journal of Geophysical Research*, Vol. 101, No. D10, pp. 15153-15167](http://onlinelibrary.wiley.com/doi/10.1029/95JD03609/pdf).
7. Yannopoulos, P.C., Skokaki, G.N. (2003). “Particulate and Sulfur Dioxide Concentration Measurements in Patras, Greece”, [*J. of Air & Waste Manage. Assoc.,* Vol. 53, pp. 957-970](http://www.tandfonline.com/doi/abs/10.1080/10473289.2003.10466251).
8. Manariotis, I.D., Yannopoulos, P.C. (2004). “Adverse Effects on Alfeios River Basin and an Integrated Management Framework Based on Sustainability”, [*Environmental Management,* Vol. 34, No. 2, pp. 261-269](https://www.researchgate.net/publication/8167283_Adverse_Effects_on_Alfeios_River_Basin_and_an_Integrated_Management_Framework_Based_on_Sustainability).
9. Bloutsos A.A. and Yannopoulos P.C. (2005). "Three Round Turbulent Buoyant Jets Discharged Vertically from a Rosette", *IASME Transactions,* Issue 3, Vol. 2, pp. 413-421.
10. Manariotis I.D. and Yannopoulos P.C. (2005). "Environmental Impacts of Solid Waste Management Procedures - Perspectives". *Tech. Chron. Sci. J. TCG,* I, No 2-3, pp. 21-34. (in Greek with extended summary in English).
11. Yannopoulos P.C. (2005). "Methodology of Monitoring and Quick Prediction of River Pollution in Relation to the Directive 2000/60/ΕC". Hydrotechnika Hellenic Hydrotechnical Union, Vol. 15, pp. 103-112 (in Greek).
12. Yannopoulos P.C. (2006). “An improved integral model for plane and round turbulent buoyant jets”, [*J. of Fluid Mech.,* 547, 267-296](http://journals.cambridge.org/action/displayAbstract?fromPage=online&aid=371365).
13. Yannopoulos P.C. (2006). "Attachment of Two or Three Interacting Round Buoyant Jets Discharged Vertically Upwards into a Quiescent Environment", *WSEAS Transactions on Fluid Mechanics,* Issue 3, Vol. 1, pp. 215-220.
14. Yannopoulos P.C. & Noutsopoulos G.C. (2006a). "Interaction of Vertical Round Turbulent Buoyant Jets. Part I: Entrainment Restriction Approach", [*J. of Hydr. Res.,* 44(2), pp. 218-232](http://www.informaworld.com/smpp/content~db%3Dall~content%3Da921657024~frm%3Dtitlelink).
15. Yannopoulos P.C. & Noutsopoulos G.C. (2006b). "Interaction of Vertical Round Turbulent Buoyant Jets. Part II: Superposition Method" [*J. of Hydr. Res.,* 44(2), pp. 233-248](http://www.informaworld.com/smpp/content~db%3Dall~content%3Da921657025~frm%3Dtitlelink).
16. Skokaki G.N. and Yannopoulos P.C. (2006). “Lead Levels in Airborne Particulates of Patras, Greece, and Trend Prediction”, [*Fresenius Environmental Bulletin,* Vol. 15, No. 7a, pp. 588-595](http://www.psp-parlar.de/details_artikel.asp?tabelle=FEBArtikel&artikel_id=1433&jahr=2006).
17. Yannopoulos P.C. (2007). "Sulfur Dioxide Dispersion and Sources Contribution to Receptors of Downtown Patras, Greece", [*Environ Sci Pollut Res*, Vol. 14, No. 3, pp. 172-175](http://www.springerlink.com/content/b64tk5105j2770w5/).
18. Yannopoulos P.C. (2007). "Spatial Concentration Distributions of Sulfur Dioxide and Nitrogen Oxides in Patras, Greece, in a Winter Period", [*Environ Monit Assess*, Vol. 135, pp. 163-180](http://www.springerlink.com/content/n665p4p203l45504/).
19. Yannopoulos P.C. (2008). "Long-term Assessment of Airborne Particulate Concentrations in Patras, Greece", [*Fresenius Environmental Bulletin,* Vol. 17, No. 5, pp. 608- 616](http://www.psp-parlar.de/details_artikel.asp?tabelle=FEBArtikel&artikel_id=2081&jahr=2008).
20. Yannopoulos P.C., Demetracopoulos A.C. & Hadjitheodorou Ch. (2008). “Quick Method for Open Channel Discharge Measurements Using Air Bubbles”, [*Journal of Hydr. Engineering (ASCE)*, Vol. 134, No. 6, pp. 843-846.](http://scitation.aip.org/getpdf/servlet/GetPDFServlet?filetype=pdf&id=JHEND8000134000006000843000001&idtype=cvips)
21. Yannopoulos, P.C. & Noutsopoulos G.C. (2008). Closure to the Discussion by B.S. Pani on "Interaction of Vertical Round Turbulent Buoyant Jets. Part II: Superposition Method. J. of Hydr. Res.,44(2), pp. 233-248", [*J. of Hydr. Res*. 46(4), pp. 563-567](http://www.informaworld.com/smpp/content~db%3Dall~content%3Da921656629~frm%3Dtitlelink).
22. Bloutsos A.A. & Yannopoulos P.C. (2009). “Round Turbulent Buoyant Jets Discharged Vertically Upwards Forming a Regular Polygon”,[*J. of Hydr. Res.* 47(2), pp. 263-274](http://www.informaworld.com/smpp/content~db%3Dall~content%3Da921656188~frm%3Dtitlelink).
23. Yannopoulos P.C. (2010). “Advanced integral model for groups of interacting round turbulent buoyant jets”. [*Environ Fluid Mech*, 10(4), pp. 415-450](http://www.springerlink.com/content/t6204v686545ru5m/).
24. Sotiropoulos D.Α., Dimas Α.Α., Hors G.M., Yannopoulos P.C., Fourniotis N.Th. and Demetracopoulos A.K. (2010). "Experimental study on the effectiveness of an energy dissipation configuration in an open channel of steep slope". Hydrotechnika Hellenic Hydrotechnical Union, Vol. 19, pp. 47-58 (in Greek).
25. Bloutsos A.A. & Yannopoulos P.C. (2011). “Concentrations of Selected Toxic Elements in Airborne Particulates of Patras, Greece”, [*Global NEST Journal* 13(2), pp. 109-118](http://journal.gnest.org/sites/default/files/Journal%20Papers/109-118_750_Bloutsos_13-2.pdf).
26. Yannopoulos P.C. & Bloutsos A.A. (2012). “Escaping Mass Approach for Inclined Plane and Round Buoyant Jets”. [*J. of Fluid Mech.* 695, pp. 81-111](http://journals.cambridge.org/action/displayAbstract?fromPage=online&aid=8509013&fileId=S0022112011005647).
27. Yannopoulos P.C. (2012). “Unique superposition solutions of multiple plane or round buoyant jets for tracer and buoyancy fluxes”. [*Journal of Environmental Engineering* (ASCE)138(9), pp. 985–989](http://ascelibrary.org/doi/abs/10.1061/%28ASCE%29EE.1943-7870.0000554).
28. Bekri E.S. & Yannopoulos P.C. (2012). “The interplay between the Alfeios River basin components and the exerted environmental stresses: A critical review”. [*Water, Air, & Soil Pollution* 223(7), pp. 3783-3806](http://link.springer.com/article/10.1007/s11270-012-1148-y).
29. Podimata M. & Yannopoulos P.C. (2013). “Evaluating challenges and priorities of a trans-regional river basin in Greece by using a hybrid SWOT scheme and a stakeholders’ competency overview”.[*Intl. J. River Basin Management* 11(1), pp. 93–110](http://www.tandfonline.com/doi/abs/10.1080/15715124.2013.768624).
30. Manariotis I.D. & Yannopoulos P.C. (2014). “Impact of human activities and infrastructure works on hydro morphological characteristics of Alfeios River, Greece”. [*Global NEST Journal* 16(1), pp 136-145](http://journal.gnest.org/sites/default/files/Submissions/gnest_01006/gnest_01006_published.pdf).
31. Yannopoulos P.C. (2014). “A cost-effective methodology for spatial concentration distributions of urban air pollutants”. [*Water Air Soil Pollut 225(7):1989, DOI 10.1007/s11270-014-1989-7*, pp 1-25](http://link.springer.com/article/10.1007/s11270-014-1989-7).
32. Podimata M.V. & Yannopoulos P.C. (2015). “IRLA 2014: Evolution of game theory application in irrigation systems”. IRLA2014. The Effects of Irrigation and Drainage on Rural and Urban Landscapes, Patras, Greece. [*Agriculture and Agricultural Science Procedia 4*, pp. 271 – 281](http://www.hydrocrites.upatras.gr/UserFiles/Publications/83_IRLA2014_PodimataM_YannopoulosP.pdf).
33. Podimata M.V. & Yannopoulos P.C. (2015). “Game theory application to reframe river myths”. [*International Journal of Global Environmental Issues Vol. 14, Nos.3/4,* pp. 238-255](https://www.deepdyve.com/lp/inderscience-publishers/game-theory-application-to-reframe-river-myths-L3Do4lVIkZ).
34. Bekri E.S., Disse M. & Yannopoulos P.C. (2015). “Bewässerungsstrategien und optimierte Wasserallokation im Einzugsgebiet des Alfeios Flusses, Griechenland”, [*Forum für Hydrologie und Wasserbewirtschaftung Heft* 35.15](https://www.researchgate.net/publication/278390505_Bewasserungsstrategien_und_optimierte_Wasserallokation_im_Einzugsgebiet_des_Alfeios_Flusses_Griechenland).
35. Bekri E.S., Disse M. & Yannopoulos P.C. (2015). “Optimizing water allocation under uncertain system conditions in Alfeios river basin (Greece)-Part A: Two-stage stochastic programming model with deterministic-boundary intervals”. [*Water* 7, 5305-5344; doi:10.3390/w7105305](http://www.mdpi.com/2073-4441/7/10/5305/htm).
36. Bekri E.S., Disse M. & Yannopoulos P.C. (2015). “Optimizing water allocation under uncertain system conditions for water and agriculture future scenarios in Alfeios river basin (Greece)-Part B: Fuzzy-boundary intervals combined with multi-stage stochastic programming model”. [*Water* 7, 6427-6466; doi:10.3390/w7116427](http://www.mdpi.com/2073-4441/7/11/6427/htm).
37. Podimata M. & Yannopoulos P.C. (2016). “A conceptual approach to model sand-gravel extraction from rivers based on a game theory perspective”. [*Journal of Environmental Planning and Management,* 59:1, 120-141, DOI: 10.1080/09640568.2014.991381](https://www.tandfonline.com/doi/full/10.1080/09640568.2014.991381)
38. Handakas E., Manariotis I., Υannopoulos P., Zarkadas I. & Sarigiannis D. (2017). “Decision support tool for urban solid waste management”. [*Fresenius Environmental Bulletin*, Vol. 26, No. 1, pp. 405- 412](http://www.prt-parlar.de/).
39. Yannopoulos P.C. (2017). “Unique superposition solution of multiple plumes' flow via mean kinetic energy fluxes”. [*Journal of Hydraulic Engineering, ASCE* 143(9): 06017015-1-7. DOI: 10.1061/(ASCE) HY.1943-7900.0001361](https://doi.org/10.1061/%28ASCE%29HY.1943-7900.0001361).
40. Bloutsos A.A., Manariotis I.D. & Yannopoulos P.C. (2017). “Levels οf Metals Pb, Mn, Fe During the Period 2006-2007 in Surface and Groundwater of Alfeios Catchment, Greece”. [*Environmental Processes* (DOI: 10.1007/s40710-017-0233-z)](http://link.springer.com/article/10.1007/s40710-017-0233-z?wt_mc=Internal.Event.1.SEM.ArticleAuthorOnlineFirst).
41. Podimata M.V. & Yannopoulos P.C. (2017). “A road map for resolving conflicts in dam's administration: The case of Peiros - Parapeiros dam in Greece”. [*European Water* 60: 415-421, 2017](http://www.ewra.net/ew/issue_60.htm).
42. Bloutsos A.A. & Yannopoulos P.C. (2018). “Curvilinear Coordinate System for Mathematical Analysis of Inclined Buoyant Jets Using the Integral Method”. [*Mathematical Problems in Engineering*](https://doi.org/10.1155/2018/3058425)*,* Volume 2018, Article ID 3058425, 9 pages, <https://doi.org/10.1155/2018/3058425>.
43. Yannopoulos P.C. & Demetracopoulos A.C. (2018). “A Novel Methodology for Multiple – Year Regulation of Reservoir Active Storage Capacity”. [*Water*, *10(9), 1254*;doi: 10.3390/w10091254](http://www.mdpi.com/2073-4441/10/9/1254/htm).
44. Bekri E.S., Yannopoulos P.C. & Economou P. (2019). “Methodology for reliability improvement of river discharge measurements”. [*Journal of Environmental Management* 247, 371–384.](https://www.sciencedirect.com/science/article/pii/S030147971930684X?dgcid=author)
45. Yannopoulos P.C. (2019). “Modeling Pollutant Emissions in Stagnant Environments”. [*Hydrolink* *(IAHR)* No. 2, 62-63](https://iahr842-my.sharepoint.com/personal/elsa_incio_iahr_org/_layouts/15/onedrive.aspx?id=%2Fpersonal%2Felsa%5Fincio%5Fiahr%5Forg%2FDocuments%2FAttachments%2FHydroLink%5F2%5F2019%5FFull%20%281%29%2Epdf&parent=%2Fpersonal%2Felsa%5Fincio%5Fiahr%5Forg%2FDocuments%2FAttachments&cid=87547a51-1e10-4b0a-a751-e69f9de161e6).
46. Stefanidou M.K., Bekri E.S. and Yannopoulos P.C. (2019). “Numerical modelling of solar thermal effects on street canyon flow under calm or weak wind conditions”, [*Global Nest Journal* 21(4), pp 546-551](https://journal.gnest.org/sites/default/files/Submissions/gnest_03035/gnest_03035_published.pdf).
47. Bloutsos, A.A. and Yannopoulos, P.C. (2020). “Revisiting Mean Flow and Mixing Properties of Negatively Round Buoyant Jets Using the Escaping Mass Approach (EMA)”. *Fluids* 5(3), 131; [doi:10.3390/fluids5030131](https://www.mdpi.com/2311-5521/5/3/131?utm_source=releaseissue&utm_medium=email&utm_campaign=releaseissue_fluids&utm_term=doilink32).
48. Kosmopoulos G., Salamalikis V., Pandis S. N., Yannopoulos P., Bloutsos A.A., Kazantzidis A.(2020). “Low-cost sensors for measuring airborne particulate matter: field evaluation and calibration at a South-Eastern European site”. *Science of the Total Environment* 748, 141396, <https://doi.org/10.1016/j.scitotenv.2020.141396>.
49. Στεφανίδου Μ.Κ. και Γιαννόπουλος Π.Χρ. (2020). “Προσομοίωση Κατακορύφων Ανωστικών Φλεβών από Γραμμικό Διαχύτη”. [*Υδροτεχνικά* 30: 28-40](http://ejournals.lib.auth.gr/hydrotechnica/article/view/7714).
50. Bekri E.S., Economou P., Yannopoulos P.C. and Demetracopoulos A.C. (2021). Reassessing existing reservoir supply capacity and management resilience under climate change and sediment deposition. Water 13(13), 1819; <https://doi.org/10.3390/w13131819>.
51. Bloutsos A.A. & Yannopoulos P.C. (2022). Room air-conditioning operating as a filling box. *Processes*, 10, 213. <https://doi.org/10.3390/pr10020213>. Feature paper in [Processes MDPI](https://www.linkedin.com/company/processes-mdpi/).
52. Dimara E.N., Yiannopoulos A.Ch., Yannopoulos P.Ch. (2022). “Experimental Investigation and Simulation of Water Cooling by Natural Evaporation”, *Env. Progr. & Sust. Energy*, 11 p. <https://doi.org/10.1002/ep.13803>.
53. Bloutsos A.A. & Yannopoulos P.C. (2022). “Mean flow and mixing properties of vertical round turbulent buoyant jet in a weak crosscurrent”, *Environmental Processes*. Published Online 09.05.2022, 20 p. <https://doi.org/10.1007/s40710-022-00582-y>.
54. Bloutsos A.A. & Yannopoulos P.C. (2023). “NOx and CO levels in Patras area, Greece”, *Env. Progr. & Sust. Energy* 42:e14001, 1-13. <https://doi.org/10.1002/ep.14001>.
55. Bloutsos A.A., Andriana Aravantinou, Ioannis D. Manariotis & Yannopoulos P.C. (2023). “Seawater Quality Measurements at the Two Ports of Patras, Greece”, *Environ. Sci. Proc.* 2023, 26, 6. Academic Editors: Konstantinos Moustris and Panagiotis Nastos. <https://doi.org/10.3390/environsciproc2023026006>.
56. Bloutsos A. and Yannopoulos P. (2023). Temporal Variation of PM1 on the Campus of the University of Patras, Greece. *Environ. Sci. Proc.* 2023, 26, 19. Academic Editors: Konstantinos Moustris and Panagiotis Nastos. <https://doi.org/10.3390/environsciproc2023026019>.
57. Stefanidou M.K., Bloutsos A.A. and Yannopoulos P.C. (2023). Experimental Investigation and Integral Simulation of a Thermal Annular Plume. *Environmental Fluid Mechanics*, <https://doi.org/10.1007/s10652-023-09943-z>.
58. Bloutsos A.A., Syngouna V.I., Manariotis I.D. and Yannopoulos P.C. (2023). Seasonal and Long-term Water Quality of Alfeios River Basin in Greece. Water, Air & Soil Pollution. (In revison)
59. In Proceedings of Scientific Conferences with Review Process
60. Yannopoulos P.C. (1986). "Momentum and Energy Equations in Round Turbulent Buoyant Jets", Proceedings of the International Symposium on Buoyant Flows, Athens – Greece, 1-5 September, G. Noutsopoulos (ed.), pp. 55-71.
61. Yannopoulos P.C. & Noutsopoulos G.C. (1988). "Direct Concentration Measurements with Two Conductivity Probes", First World Conference on Experimental Heat Transfer, Fluid Mechanics and Thermodynamics, Dubrovnik, Yugoslavia, Sept. 4-9, R.K. Shah, K.T. Yang & E.N. Ganic (eds.), pp. 1286-1290, Elsevier (Βραβείο καλύτερου Poster).
62. Tsonis S.P. & Yannopoulos P.C. (1991). "Ground Water Pollution from Landfills and Wastewater Disposal Sites". European Conference on Advances in Water Resources Technology, Athens 20-23 March 1991, G. Tsakiris (ed.), pp. 331-337, BALKEMA, Rotterdam, Brookfield.
63. Yannopoulos P.C. (1992). "Plume Rise from Multiple Sources Applying Superposition", 1992 Annual Krikos Conference "Restoration and Protection of the Environment in the 1990s", Thessaloniki, Greece, Aug. 19-21, 1992, pp. 280-289.
64. Yannopoulos P.C., Galanou S. & Nathanael M. (1992). "Particulate Air Pollution in the Center of Patras", 1992 Annual Krikos Conference "Restoration and Protection of the Environment in the 1990s", Thessaloniki, Greece, Aug. 19-21, 1992, pp. 302-309.
65. Yannopoulos P.C. & Demetracopoulos A.C. (1993). "Computation of Flow and Mass Transport in Channels with Composite Cross Section", in Water Pollution II: Modelling, Measuring and Prediction, L.C. Wrobel and C.A. Brebbia (eds.), pp. 151-158, Computational Mechanics Publications, Southampton.
66. Yannopoulos P.C. & Amanatidis G.T. (1993). "Air Pollution Levels in Patras, Greece", Proceedings of ICEP-2: Environmental Pollution, B. Nath, L. Candela, L. Hens & J. P. Robinson (eds.), Barcelona, Spain, 28 September – 1 October 1993, Vo.2, pp. 415-421, European Center for Pollution Research. In: WIT Transactions on Ecology and the Environment, Vol. 10, pp. 125-132, Computational Mechanics Inc, Paper DOI 10.2495/AIR950142.
67. Yannopoulos P.C. & Demetracopoulos A.C. (1994). "A Unified Approach for Com­putation of Velocity Distributions in Streams", *Proceedings of the Int. Conference on RESTORA­TION AND PROTECTION OF THE ENVIRONMENT II*, A.C. Demetracopou­los, C. D. Hadjitheodorou and G. P. Korfiatis (eds.), Patras, Greece, 24-26 August 1994, pp. 49-56.
68. Yannopoulos P.C. (1994). "Line Source Diffusion Simulation of Motor Vehicle Emissions", *Proceedings of the Int. Conference on RESTORATION AND PROTECTION OF THE ENVIRONMENT II*, A.C. Demetracopou­los, C. D. Hadjitheodorou and G. P. Korfiatis (eds.), Patras, Greece, 24-26 August 1994, pp. 409-416.
69. Yannopoulos P.C. (1995). "Total Suspended Particle Levels in Patras, Greece, and their Correlation with Traffic", *Air Pollution III-Volume 2: Air Pollution Engineering and Manage­ment*, H. Power, N. Moussiopoulos, C.A. Brebbia (eds.), pp. 125-132, Computational Mechanics Publications, Southampton.
70. Yannopoulos P.C. (1996). "Effect of Patras Harbour on Down Town Air Pol­lution", *Proceedings of the Int. Conference on* *"PROTECTION AND RES­TORATION OF THE ENVIRONMENT III"*, E. Diamadopoulos and G. P. Korfiatis (eds.), Chania, Greece, 28-30 August 1996, pp. 345-353.
71. Yannopoulos P.C. & Demetracopoulos A.C. (1996). "Simulation of Stream Mixing Zones for Allocation of Waste Loads", *Proceedings of the Int. Conference on* *"PROTE­CTION AND RES­TORATION OF THE ENVIRON­MENT III"*, E. Diamado­poulos and G. P. Korfiatis (eds.), Chania, Greece, 28-30 August 1996, pp. 93-100.
72. Yannopoulos P.C. & Demetracopoulos A.C. (1998a). “Comparison of Two Turbulence Models for Flow and Mass Transport Computations in Streams”, *Proceedings of the Int. Conference on* *"PROTE­CTION AND RESTORATION OF THE ENVIRONMENT IV"*, K.L. Katsifarakis, G.P. Korfiatis, Y.A. Mylopoulos and A.C. Demetracopoulos (eds), Halkidiki, Greece, 1-4 July 1998, pp. 257-264.
73. Yannopoulos P.C. & Demetracopoulos A.C. (1998b). “Contributions towards the prediction of velocity distribution in open channel flows”, *Computational Methods in Water Resources XII – Volume 2: Computational Methods in Surface and Ground Water Transport,* V.N. Burganos, G.P. Karatzas, A.C. Payatakes, C.A. Brebbia, W.G. Gray and G.F. Pinder (eds), pp. 485-492, Computational Mechanics Publications, Southampton.
74. Yannopoulos P.C. & Demetracopoulos A.C. (2000). “Effects of Variable Velocity and Mixing Coefficient on the Vertical Spreading of Pollutants”, *Proceedings of the Int. Conference on* *"PROTE­CTION AND RESTORATION OF THE ENVIRONMENT V"*, V.A. Tsihrintzis, G.P. Korfiatis, K.L. Katsifarakis and A.C. Demetracopoulos (eds), Thassos, Greece, July 2000, pp. 347-354.
75. Manariotis I.D. & Yannopoulos P.C. (2001). “Environmental Impact of Riverine Activities on Alfios River and Measures toward Sustainability”. Proceedings of the International Conference on *Ecological Protection of the Planet Earth I,* June 5-8, 2001, Xanthi, Greece, Vol. I & II, eds: Vas. A. Tsihrintzis and Ph. Tsalides, Vol. I, pp. 131-139.
76. Yannopoulos, P.C. (2002). “Total Suspended Particulate and Sulfur Dioxide Dataset Effects on Daily Average Values. In: Proceedings of the International Conference on “*Protection and Restoration of the Environment VI*”, Kungolos, A.B., Liakopoulos, A.B., Korfiatis, G.P., Koutsospyros, A.D., Katsifarakis, K.L., Demetracopoulos, A.C. (Eds), Skiathos, Greece, pp. 1105-1111.
77. Yannopoulos, P.C. & Tzifa, M.-N.V. (2002). “Dispersion of Sulphur Dioxide and Particulate Matter in the Patras Air and the Contribution of their Sources to Patras Downtown Receptors”. *8th FECS Conference on Chemistry and the Environment, Poster Presentations Session 1: Air Quality and Human Exposure, ESPR – Environ Sci & Pollut Res,* ecomed publishers, Germany, Special Issue 3, pp.168-169.
78. Yannopoulos P.C. and Bekri H.S. (2003). “A Modified Virtual Image Source Technique for Multiple Plume Discharges into a Flowing Ambient”, in Proc. *XXX IAHR Congress “Water Engineering and Research in a Learning Society: Modern Developments and Traditional Concepts”*, 24-29 August 2003, Ganoulis J. and Prinos P. (eds), Thessaloniki, Greece, Theme C: Jets and Plumes, Vol.1, pp. 271-277.
79. Yannopoulos P.C., Demetracopoulos, A.C. and Hadjitheodorou Ch. (2003). “Algebraic Functions for Turbulent Kinetic Energy and Dissipation Rate in Open Channel Flows”, in Proc. *XXX IAHR Congress “Water Engineering and Research in a Learning Society: Modern Developments and Traditional Concepts”*, 24-29 August 2003, eds. Ganoulis J. and Prinos P., Thessaloniki, Greece, Theme C: Turbulence-2, Vol.1, pp. 143-147.
80. Demetracopoulos A.C., Hadjitheodorou Ch. and Yannopoulos P.C. (2003). “Water Hammer in Branching Pipes”, in Proc. *XXX IAHR Congress “Water Engineering and Research in a Learning Society: Modern Developments and Traditional Concepts”*, 24-29 August 2003, eds. Ganoulis J. and Prinos P., Thessaloniki, Greece, Theme B: Transient and two Phase Flows in Water Supply and Sewer Systems, pp. 385-392.
81. Yannopoulos P.C. & Bloutsos A.A. (2004). “First and Second-order Integral Model Solutions for Axisymmetric Turbulent Buoyant Jets”, in Proc. *MWWD – IEMES 2004: 3rd International Conference on Marine Waste Water Disposal and Marine Environment 1st International Exhibition on Materials Equipment and Services for Coastal WWTP Outfalls and Sealines*, Catania 27.09-2.10.2004, CD-ROM P-E19 pp. 1-11
82. Bloutsos A.A. and Yannopoulos P.C. (2005). “Interaction of Round Turbulent Buoyant Jets Discharged Vertically from Sources Forming an Equilateral Triangle”, in CD Proc. *2005 IASME / WSEAS International Conference:* *Energy, Environment, Ecosystems & Sustainable Development*, Vouliagmeni, Athens, Greece, July 12-14, Paper No. 505-305, 6 pages.
83. Yiannopoulos A.Ch., Syngouna V.I., Bloutsos A.A., Manariotis I.D., Yannopoulos P.C. & Chrysikopoulos C.V. (2006). “Solar Reactor for Environmental Applications: Preliminary Design”, International Conference on *Protection and Restoration of the Environment VIΙΙ*, Chania, Crete, Greece, 3-7 July 2006, Proceedings in CD-ROM, 8 pages.
84. Yannopoulos P.C. (2006). “Trajectories of a Pair of Interacting Jets or Plumes Issuing Vertically Upwards into a Quiescent Environment”, Proceedings of the *2006 IASME / WSEAS Int. Conf. on* *Water Resources, Hydraulics & Hydrology*, Chalkida, Greece, May 11-13, pp. 106-110.
85. Manariotis I.D. and Yannopoulos P.C. (2006). “Integrated Management Plan for the Alfeios River Basin”, 2nd International Conference *AQUA 2006 – Water Science and Technology – Integrated Management of Water Resources*, Athens, Hellas, November 23-26. Proceedings in CD-ROM, 6 pages.
86. Bloutsos A.A. and Yannopoulos P.C. (2007a). “Entrainment Rate Computations for Groups with Finite and Infinite Number of Buoyant Jets”, in Proc. of the 8th HSTAM International Congress on Mechanics, eds. N. Bazeos, D.L. Karabalis, D. Polyzos, D.E. Beskos, J.T. Katsikadelis; July 12-14, Patras, Greece, pp. 207-213.
87. Bloutsos A.A. and Yannopoulos P.C. (2007b). “Application of a General Form of the Local Richardson Number to Interacting Buoyant Jets”, in Proc.of 32nd IAHR Congress “Harmonizing the Demands of Art and Nature in Hydraulics”, eds. Giampolo Di Silvio and Stefano Lanzoni, July 1-6 2007, Venice, Italy, Theme C – Fluid Mechanics and Hydraulics, C1.a: Fundamentals of turbulence, mixing and dispersion processes, 040-O, pp. 574; 9 pages in CD-ROM Proc.
88. Boskidis, I., Pisinaras, V., Gikas, G.D., Tsihrintzis, V.A., Gemitzi, A., Petalas, C., and Yannopoulos, P. (2007). “Water Quantity and Quality Monitoring and Modeling of Vosvozis River, North Greece”, in Proc. of the International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE), eds. A. Kungolos, K. Aravossis, A. Karagiannidis, P. Samaras; June 24-28, Skiathos, Greece, pp. 2231-2236.
89. Yannopoulos P.C., Manariotis I.D., Ziogas A.I. and Kaleris V.K. (2007). “Methodology of River Pollution Assessment and Preliminary Results”, in Proc.of 32nd IAHR Congress “Harmonizing the Demands of Art and Nature in Hydraulics”, eds. Giampolo Di Silvio and Stefano Lanzoni, July 1-6 2007, Venice, Italy, Theme A – Engineering and Management of Freshwater Systems, A1.c: Water resources and river basin management, 059-O, pp. 307; 12 pages in CD-ROM Proc.
90. Androutsopoulou A., Timiakou A., Papastergiadou E. and Yannopoulos P. (2009). “Environmental Impacts of Infrastructure Works and Activities and Ecological Evaluation of the Alfeios River Basin”, in abstract Proc. of EuroSciense Mediterranean Event (ESME), Workshop 16 “Aspects in developing an integrated management plan for a watershed. The Alfeios River Basin case-study”, October 16-19.
91. Papanousi F. and Yannopoulos P. (2009). “A Watershed Database Development to Enable Application and Evaluation of the Environmental Component of the River Basin Management Plan”, in abstract Proc. of EuroSciense Mediterranean Event (ESME), Workshop 16 “Aspects in developing an integrated management plan for a watershed. The Alfeios River Basin case-study”, October 16-19.
92. Podimata M. and Yannopoulos P. (2009). “Developing a Watershed Institution for Integrated Water Management”, in abstract Proc. of EuroSciense Mediterranean Event (ESME), Workshop 16 “Aspects in developing an integrated management plan for a watershed. The Alfeios River Basin case-study”, October 16-19.
93. Bekri E. and Yannopoulos P. (2009). “Decision Making Procedures in the Sustainable Development of River Basins”, in abstract Proc. of EuroSciense Mediterranean Event (ESME), Workshop 16 “Aspects in developing an integrated management plan for a watershed. The Alfeios River Basin case-study”, October 16-19.
94. Yannopoulos P.C. and Markou M.G. (2010). “Second-order integral model for plane turbulent buoyant jets in tratified environments”, in Proceedings of the 6th International Symposium on Environmental Hydraulics, 23-25 June 2010, Environmental Hydraulics – Christodoulou & Stamou (eds), Taylor & Francis Group, London, Vol. 1, pp. 117-122.
95. Yannopoulos P.C. and Bekri E.S. (2010). “Correction of quick discharge measurements in rivers using natural tracers”, in Proceedings of the 6th International Symposium on Environmental Hydraulics, 23-25 June 2010, Environmental Hydraulics – Christodoulou & Stamou (eds), Taylor & Francis Group, London, Vol. 2, pp. 857-862.
96. Podimata M. & Yannopoulos P. (2011). “Water Resources Availability: A Key Factor for the Development of Industrial Areas. Patras (Greece) Industrial Area as a Case Study”, in Proceedings of the VI International Symposium - EWRA 2011 *Water* *Engineering and Management in a Changing Environment,* June 29 - July 2, 2011, Catania, Italy; A. Cancelliere and G. Rossi, Eds., CSEI Catania, III Serie Vol. 6, p. 159; CDROM pp. 1-12.
97. Bekri E.S. and Yannopoulos P.C. (2011). “Decision Support Systems for Sustainable Development of River Basins”, in Proceedings of the VI International Symposium - EWRA 2011 *Water* *Engineering and Management in a Changing Environment,* June 29 - July 2, 2011, Catania, Italy; A. Cancelliere and G. Rossi, Eds., CSEI Catania, III Serie Vol. 6, p. 149; CDROM pp. 1-12.
98. Zissis Th. and Yannopoulos P. (2011). “Simulation of Variable-Density Groundwater Flow and Transport in the Coastal Aquifer of the Pyrgos Area (Greece)”, in Proceedings of the VI International Symposium - EWRA 2011 *Water* *Engineering and Management in a Changing Environment,* June 29 - July 2, 2011, Catania, Italy; A. Cancelliere and G. Rossi, Eds., CSEI Catania, III Serie Vol. 6, p. 162; CDROM pp. 1-11. (Βραβείο καλύτερου Poster)
99. Yannopoulos P.C. (2011). “Integral Model for the Reattachment of Two Interacting Turbulent Buoyant Jets”. Proceedings of the VII International Symposium on Stratified Flows (ISSF 2011)*,* August 22 -26, 2011, Rome, Italy; Editors: A. Cenedese, St. Espa, R. Purini; No. 1239, pp. 1-8.
100. Bloutsos A.A. & Yannopoulos P.C. (2012). “Simulation of a horizontal plane turbulent buoyant jet in a current”, Proceedings of the International Conference on *Protection and Restoration of the Environment XΙ,* Environmental Fluid Mechanics, 3-6 July 2012, Thessaloniki, Greece; Editors: K.L. Katsifarakis, N. Theodossiou, C. Christodoulatos, A. Koutsospyros, Z. Mallios, pp. 864-872.
101. Podimata M.V. & Yannopoulos P.C. (2012). “Kallicrates scheme and water governance in Greece”, Proceedings of the International Conference on *Protection and Restoration of the Environment XΙ,* Environmental Law and Policy, 3-6 July 2012, Thessaloniki, Greece; Editors: K.L. Katsifarakis, N. Theodossiou, C. Christodoulatos, A. Koutsospyros, Z. Mallios, pp. 2385-2394.
102. Podimata M.V., Bekri E.S. & Yannopoulos P.C. (2012). “Proposing buffer zones and simple technical solutions for safeguardingriver water quality and public health”, European Geosciences Union (EGU), General Assembly 2012, HS7.3/CL2.9/NP1.3 Climate, water and health. Convener: A. Langousis, 22–27 April 2012, Vienna, Austria (Βραβείο καλύτερου Poster).
103. Pasaporti C.N., Podimata M.V. & Yannopoulos P.C. (2013). “Flood impact assessment on the development of Archaia Olympia riparian area in Greece”, European Geosciences Union (EGU), General Assembly 2013, SESSION: HS7.1/AS1.5/NH1.2, 698, Precipitation: from measurement to modelling and application in catchment hydrology. Convener: A. Langousis, 8–12 April 2013, Vienna, Austria (Poster).
104. Bekri E.S., Yannopoulos P.C. & Disse M. (2013). “A combined linear optimisation methodology for water resources allocation in Alfeios River Basin (Greece) under uncertain and vague system conditions”, European Geosciences Union (EGU), General Assembly 2013, Session HS5.1, 1753, Climate, water and health. Conveners: Jan Friesen, Jens Liebe, 8–12 April 2013, Vienna, Austria.
105. Christodoulou G. C., Yannopoulos P. C., Papakonstantis I. G., Bloutsos A. A. (2014). “A Comparison Of Integral Models for Negatively Buoyant Jets”. Proceedings of the 7th International Symposium on Environmental Hydraulics 2014 (ISEH VII), 07 – 09 Jan. 2014, Singapore (in CD-ROM).
106. Bekri E.S., Yannopoulos P.C. & Disse M. (2014). “The art of searching for extremes from Euclid to Dantzig: A historical pursuit of optimisation theory, as a basis for the evolution of optimisation methods of water resources management”. Electronic Proceedings of the IWA Regional Symposium on Water, Wastewater, and Environment: Traditions and Culture, March 22-24, 2014, Patras, Greece.
107. Podimata M.V. & Yannopoulos P.C. (2014). “Alpheus River myths in a game theory perspective”. Electronic Proceedings of the IWA Regional Symposium on Water, Wastewater, and Environment: Traditions and Culture, March 22-24, 2014, Patras, Greece.
108. Bekri E.S., Yannopoulos P.C. & Disse M. (2014). “Investigation and incorporation of water inflow uncertainties through stochastic modeling in a combined optimization methodology for water allocation in Alfeios River (Greece)”. Geophysical Research Abstracts, Vol. 16, EGU2014-8657, (HS5.7), EGU General Assembly 2014.
109. Bloutsos, A. and Yannopoulos, P. (2014). “Effect of Fire Events on the Atmospheric Pollution of the University of Patras Campus, Greece”. COMECAP 2014, Heraklion 28 – 31 May 2014, Crete. In e-Book of Proceedings, Editors: Maria Kanakidou, Nikolaos Mihalopoulos, Panagiotis Nastos, Vol. 1, pp. 149-154.
110. Bloutsos, A. and Yannopoulos, P. (2014). “Some implications from PM10 levels in the air of Patras, Greece”. In Proceedings of the International Conference on PRE2014 “*Protection and Restoration of the Environment XII*”, Editors: A. Liakopoulos, A. Kungolos, C. Christodoulatos, A. Koutsospyros. June 29 to July 3, 2014, Skiathos, Greece, pp. 1385-1392.
111. Bekri E.S., Yannopoulos P.C. & Disse M. (2014). “Irrigation water benefits within the framework of optimal water allocation in the Alfeios River Basin (Greece)”. IRLA 2014, pp. 1-10. (presented)
112. Pechlivanidis G.I., Keramaris E., Yannopoulos P.C., and Pechlivanidis I.G. (2015). “Experimental Study of a Turbulent Buoyant Jet in a Confined Denser Fluid”. Proceedings of the 14th International Conference on Environmental Science and Technology (CEST 2015), 3-5 September 2015, Rhodes, Greece. CEST2015\_00169, pp. 1-5.
113. Moschas F., Saltogianni V., Yannopoulos P. & Stiros S. (2015). “Towards the understanding of tropospheric noise in InSAR data based on combined GPS and meteorological data”. Geophysical Research Abstracts, EGU2015-4940, (G3.3/HS6.9), EGU General Assembly 2015, 12–17 April 2015, Vienna, Austria.
114. Bloutsos A., Bekri E., Moschas F., Saltogianni V., Stiros S. & Yannopoulos P. (2015). “May tropospheric noise in satellite radar data affect decision making results?”. Geophysical Research Abstracts Vol. 17, EGU2015-5948, 2015 EGU General Assembly, H7.6 Using Models for Decision Support and Long Term Planning under Climate and Environmental Uncertainty, 12–17 April 2015, Vienna, Austria.
115. Podimata M.V. & Yannopoulos P.C. (2015). “Evaluation of decision making and negotiation processes under uncertainties regarding the water management of Peiros-Parapeiros Dam, in Achaia Region (Greece)”, Geophysical Research Abstracts Vol. 17, EGU2015-10683, 2015 EGU General Assembly, H7.6 Using Models for Decision Support and Long Term Planning under Climate and Environmental Uncertainty, 12–17 April 2015, Vienna, Austria.
116. Voustrou M.K., Yannopoulos P.C. & Christodoulou G.C. (2015). “Experiments on plane negatively buoyant jets”, E-proceedings of the 36th IAHR World Congress, 28 June – 3 July, 2015, The Hague, the Netherlands, 6 pages.
117. Aravantinou A., Bloutsos A., Tsiboukis V., Manariotis I., and Yannopoulos P. (2016). “Preliminary Results of Seawater Quality Measurements at the New South Port of Patras, Greece”. 13th International Conference (PRE2016) on “Protection and Restoration of the Environment XIII”, July 3 to 8, 2016, Mykonos island, Greece. Editors: A. Kungolos, C. Christodoulatos, A. Koutsospyros, C. Emmanouil, C. Laspidou, Z. Mallios, D. Dermatas pp. 226-233.
118. Bloutsos, A. and Yannopoulos, P. (2016). “Monitoring Particulate Pollution in the University of Patras Campus, Greece”. COMECAP 2016, Thessaloniki 19-21 September 2016. Springer International Publishing Switzerland 2017, T.S. Karacostas et al. (eds.), Perspectives on Atmospheric Sciences, Springer Atmospheric Sciences, DOI 10.1007/978-3-319-35095-0\_123, pp. 861-867.
119. Podimata M.V. & Yannopoulos P.C. (2017). “A road map for resolving conflicts in Dam's administration: The case of Peiros - Parapeiros dam in Greece”, Manuscript No. EWRA2017\_A\_102821. 10th World Congress of the European Water Resources Association on Water Resources and Environment “Panta Rhei”, Athens 5-9 July 2017 (Poster and Paper, abstract accepted for presentation).
120. Yannopoulos P.C. (2017). “Effect of Buoyant Jets Merging on Mean Kinetic Energy Flux”. In e-Proceedings of the 37th IAHR WORLD CONGRESS, 13-18 August 2017, Kuala Lumpur, Malaysia, Theme 3: Environmental Hydraulics and Industrial Flows, Editor: J. Ariffin, pp. 2560-2565.
121. Stefanidou M.C., Dimas A.A., Yannopoulos P.C. (2017). “Interacting Heated Buoyant Jets in a Calm and Uniform Environment”, 37th IAHR WORLD CONGRESS, 13-18 August 2017, Kuala Lumpur, Malaysia (Abstract acceptance). Book of Abstracts of the Sixth International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE) and to the SECOTOX Conference, Thessaloniki, Greece, June 25 to 30, 2017, pp. 69.
122. Bekri E. and Yannopoulos P. (2017). “Correction technique of quick river discharge estimates based on water volume and mass pollutant balances: Nonlinear model”, Book of Abstracts of the Sixth International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE) and to the SECOTOX Conference, Thessaloniki, Greece, June 25 to 30, 2017, pp. 153, paper presented.
123. Bloutsos, A.A. and Yannopoulos, P.C. (2018). “PM10 Levels of the City and a Suburb of Patras, Greece, during the period 2013-2015”. In Book of Proceedings of the 14th International Conference (PRE2018) on “Protection and Restoration of the Environment XIV”, July 3-6, 2018, Thessaloniki, Greece, Theme: *Sustainable architecture, planning and development - Urban environment,* pp. 284-292, eds. N. Theodossiou, C. Christodoulatos, A. Koutsospyros, D. Karpouzos, Z. Mallios.
124. Stefanidou M.K., Bekri E.S., Yannopoulos P.C. (2018). “Thermal effect in street canyons”. In Book of Proceedings of the 14th International Conference (PRE2018) on “Protection and Restoration of the Environment XIV”, July 3-6, 2018, Thessaloniki, Greece, Theme: *Sustainable architecture, planning and development - Built environment,* pp. 151-157, eds. N. Theodossiou, C. Christodoulatos, A. Koutsospyros, D. Karpouzos, Z. Mallios.
125. Ntalaperas G and Yannopoulos P.C. (2019). “Simulation of the diffusion of air pollutants and their source contribution to the city of Patras, Greece”. In Proceedings of the 7th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE VII Proceedings, 2019) and SECOTOX, May 19-24, 2019, Myconos Island, Greece, pp. 418-425.
126. Bloutsos, A.A. and Yannopoulos, P.C. (2020). “NOx and CO Levels at Patras Area, Greece”. In Proceedings of the XV International Conference (PRE2020) on “Protection and Restoration of the Environment”, Patras, Greece, pp. 79-85.
127. Bloutsos, A.A. and Yannopoulos, P.C. (2020). “Simulation of a Vertical Round Turbulent Buoyant Jet in a Cross Current”. In Proceedings of the XV International Conference (PRE2020) on “Protection and Restoration of the Environment”, Patras, Greece, pp. 145-148.
128. Safikos, S.I. and Yannopoulos, P.C. (2020). “Interaction of Two Identical Round Turbulent Buoyant Jets Discharged Horizontally from a T-type Diffuser. In Proceedings of the XV International Conference (PRE2020) on “Protection and Restoration of the Environment”, Patras, Greece, pp. 123-128.
129. Bekri, E.S. and Yannopoulos, P.C. (2020). “Assessing river water pollution in ungauged rivers: Alfeios River”. In Proceedings of the XV International Conference (PRE2020) on “Protection and Restoration of the Environment”, Patras, Greece, pp. 601-608.
130. Dimara E.N., Stefanidou M.K. and Yannopoulos, P.C. (2020). “Experimental Study of Interacting Vertical Turbulent Plumes”. In Proceedings of the XV International Conference (PRE2020) on “Protection and Restoration of the Environment”, Patras, Greece, pp. 137-143.
131. Stefanidou M.K. and Yannopoulos, P.C. (2020). “Simulation of Flow Originated from a Vertical Warm Surface”. In Proceedings of the XV International Conference (PRE2020) on “Protection and Restoration of the Environment”, Patras, Greece, pp. 149-154.
132. Kosmopoulos G., Salamalikis V., Pappa A., Pandis S.N., Yannopoulos, P.C. Bloutsos A.A. and Kazantzidis A. (2020). “Validation of Low-Cost Sensors and Spatiotemporal Variability of PM Concentration Across the City of Patras, Greece”. In Proceedings of the XV International Conference (PRE2020) on “Protection and Restoration of the Environment”, Patras, Greece, pp. 67-70.
133. Stefanidou M.K., Bloutsos A.A. and Yannopoulos P.C. (2021). “Effect of non-axial velocity component on the mean axial velocity measurements in thermal plumes using an air velocity transducer”. *9th International Symposium on Environmental Hydraulics* (ISEH), July 18-22, 2021 Seoul, South Korea. pp. 1-2 (Presented and included in e-Proceedings).
134. Stefanidou M., Bloutsos A., Horsch G., Dimas A. and Yannopoulos P. (2021). “Analytical Description of the Vortex Ring Induced by a Ring Plume”.9th International Conference on Vortex Flow Mechanics - ICVFM2021, Virtual Conference, October 11-14, 2021. (Presented and included in e-Proceedings).
135. Bloutsos A.A. and Yannopoulos P.C. (2022). “Effect of escaping mass coefficient on mean flow and mixing of a round negatively buoyant jet with 30° exit inclination in uniform surroundings”. XVI Hybrid International Conference (PRE2022) on “Protection and Restoration of the Environment”, July 5-8, 2022, Kalamata, Greece. (Paper presented)
136. Bloutsos A., Papakonstantis I., Mantsis T., Yannopoulos P., Christodoulou G. (2022). “Terminal height predictions of inclined plane negatively buoyant jets”. Extended Abstract submitted in the 7th IAHR Europe Congress, September 7th – 9th, 2022, Athens, Greece.
137. In Proceedings of Greek National of International Conferences with Review Process

There are published 46 papers.

1. Presentations in Conferences and Workshops with or without Proceedings

There are presented 37 papers.