

Curriculum Vitae

Prof. Asterios Pantokratoras Dip-Eng, PhD

Personal Information

Date of Birth: 22/09/1953
Place of Birth: Neohori, Halkidiki, Greece.
Home Address: Agrianon 15, Chrisa, Xanthi, 67100, Greece
Current Occupation: Professor, Department of Civil Engineering, Democritus University of Thrace (DUTH), Xanthi, Greece.
Foreign Languages: English
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Studies

- 1977 – Diploma in Civil Engineering, Aristotle University of Thessaloniki (AUTH), Greece
- 1989 – Ph.D., Department of Civil Engineering, Democritus University of Thrace (DUTH), Greece.

Academic Positions

- 1990 – 1993: Lecturer, Department of Civil Engineering, Democritus University of Thrace (DUTH).
- 1993 – 2000: Assistant Professor, Department of Civil Engineering, Democritus University of Thrace (DUTH).
- 2000 – 2008: Associate Professor, Department of Civil Engineering, Democritus University of Thrace (DUTH).
- 2008 – Present: Professor of Fluid Mechanics, Department of Civil Engineering, Democritus University of Thrace (DUTH).

Administrative Positions

- Director of Hydraulic Structures Sector, Department of Civil Engineering, Democritus University of Thrace (DUTH), for many years.
- Member of the Senate for one service period.

Teaching Experience

I. Undergraduate Courses

Fluid Mechanics, Urban Hydraulics , Sewage Works, Computational Fluid Mechanics, Environmental Hydraulics, Advanced Fluid Mechanics,, Underground Water Hydrology, Fluid Mechanics and Applied Hydraulics

II. Postgraduate Courses

Design of Drinking Water Treatment Plants, Sewage Works

III. Student Supervision

- Ph.D.: 1 completed, 2 in progress.
- MSc.: 30 completed, 4 in progress.
- Diploma Dissertation: 100 completed, 2 in progress.

Publications and Achievements

Prof. Asterios Pantokratoras Dip-Eng, PhD

1. A. Pantokratoras (1987). Numerical computation of a round laminar plume in a stratified environment, **International Communications in Heat and Mass Transfer**, Vol. 14, pp. 589-596.
2. A. Pantokratoras (1988). Calculation of a turbulent jet discharged downward, **International Communications in Heat and Mass Transfer**, Vol. 15, pp. 345-353.
3. A. Pantokratoras (1991). Comments on "A new theoretical model for noninvasive quantification of mitral regurgitation", **Journal of Biomechanics**, Vol. 24, pp. 493-494.
4. A. Pantokratoras (1995). Some measurements in a turbulent round water plume. Comparison with two mathematical models, **International Communications in Heat and Mass Transfer**, Vol. 22, pp. 13-23.
5. A. Pantokratoras (1998). Horizontal penetration of inclined thermal buoyant water jets, **International Communications in Heat and Mass Transfer**, Vol. 25, pp. 561-569.
6. A. Pantokratoras (1999). Vertical penetration of inclined heated water jets discharged downward, **ASCE Journal of Environmental Engineering**, Vol. 125, No.4, pp.389-393.
7. A. Pantokratoras (1999). Laminar free convection of pure and saline water along a heated vertical plate, **ASME Journal of Heat Transfer**, Vol. 121, pp. 719-722.
8. A. Pantokratoras (2000). Laminar natural convection of pure and saline water along a vertical isothermal cylinder, **Heat and Mass Transfer**, Vol. 36, pp. 351-360.
9. A. Pantokratoras (2001). Effect of ambient temperature on vertical turbulent buoyant water jets, **International Journal of Heat and Mass Transfer**, Vol. 44, pp. 1889-1898.
10. A. Pantokratoras (2001). Laminar free convective heat transfer from a vertical isothermal plate to water at 4 °C with variable physical properties, **Chemical Engineering Science**, Vol. 56, pp. 2229-2232.
11. A. Pantokratoras (2001). Laminar axisymmetric pure and saline water plumes, **Heat and Mass Transfer**, Vol. 37, pp. 183-189.
12. A. Pantokratoras (2001). Laminar free-convective heat transfer from a vertical isothermal plate to water at low temperatures with variable physical properties, **International Journal of Heat and Fluid Flow**, Vol. 22, pp. 666-668.
13. A. Pantokratoras (2002). Laminar free-convection over a vertical isothermal plate with uniform blowing or suction in water with variable physical properties, **International Journal of Heat and Mass Transfer**, Vol. 45, pp. 963-977.
14. A. Pantokratoras (2002). Laminar assisting mixed convection heat transfer from a vertical isothermal cylinder to water with variable physical properties, **Journal of Applied Mathematics and Physics, (ZAMP)**, Vol. 53, pp. 569-583.
15. A. Pantokratoras (2002). Laminar free-convective heat transfer from a vertical isothermal plate to glycerol with variable physical properties, **International Journal of Heat and Fluid Flow**, Vol. 23, pp. 530-532.
16. A. Pantokratoras (2003). Laminar assisting mixed convection heat transfer from a vertical isothermal cylinder moving in water at low temperatures, **Heat and Mass Transfer**, Vol. 39, pp. 737-743.
17. A. Pantokratoras (2003). Laminar free-convection in water with variable physical properties adjacent to a vertical plate with uniform heat flux, **International Journal of Heat and Mass Transfer**, Vol. 46, pp. 725-729.

18. A. Pantokratoras (2003). Laminar free-convection in glycerol with variable physical properties adjacent to a vertical plate with uniform heat flux, **International Journal of Heat and Mass Transfer**, Vol. 46, pp. 1675-1678.
19. A. Pantokratoras (2003). A note on the Nusselt number adjacent to a vertical plate immersed in thermally stratified water at low temperatures, **International Journal of Heat and Fluid Flow**, Vol. 24, pp. 278-281.
20. A. Pantokratoras (2003). Vertical penetration of double-diffusive water plumes discharged vertically downwards, **ASCE Journal of Hydraulic Engineering**, Vol. 129, No. 7., pp. 541-545.
21. A. Pantokratoras (2003). Mixed convection in a laminar axisymmetric water plume in a vertical coflowing stream at temperatures around the density extremum, **Acta Mechanica**, Vol. 163, pp. 81-97.
22. A. Pantokratoras (2003). A note on laminar axisymmetric and two-dimensional glycerol plumes, **Applied Mathematical Modelling**, Vol. 27, pp. 889-897.
23. A. Pantokratoras (2003). Effect of viscous dissipation and pressure stress work in natural convection along a vertical isothermal plate. New results, **International Journal of Heat and Mass Transfer**, Vol. 46, pp. 4979-4983.
24. A. Pantokratoras (2004). Laminar assisting mixed convection heat transfer from a vertical isothermal plate to water with variable physical properties, **Heat and Mass Transfer**, vol. 40, pp. 581-585.
25. A. Pantokratoras (2004). Opposing mixed convection along vertical isothermal moving bodies, **International Journal of Heat and Fluid Flow**, Vol. 25, pp. 692-696.
26. A. Pantokratoras (2004). Comment on “ The effect of temperature-dependent viscosity on heat transfer over a continuous moving surface”, **Journal of Physics D: Applied Physics**, Vol. 37, pp. 1725-1725.
27. A. Pantokratoras (2004). Further results on the variable viscosity on flow and heat transfer to a continuous moving flat plate, **International Journal of Engineering Science**, Vol. 42, pp. 1891-1896.
28. A. Pantokratoras (2004). Laminar natural convection in water near the density extremum along a vertical plate with sinusoidal surface temperature variation, **Acta Mechanica**, Vol. 172, pp. 211-218.
29. A. Pantokratoras (2005). Effect of viscous dissipation in natural convection along a heated vertical plate, **Applied Mathematical Medelling**, Vol. 29, pp. 553-564.
30. A. Pantokratoras (2005). Unidirectional transport of heat and salt in free convection of water with variable physical properties along a vertical plate with uniform temperature and salinity, **Chemical Engineering Science**, Vol. 60, pp. 2821-2826.
31. A. Pantokratoras (2005). Forced and mixed convection boundary layer flow along a flat plate with variable viscosity and variable Prandtl number. New results, **Heat and Mass Transfer**, Vol. 41, pp. 1085-1094.
32. A. Pantokratoras (2006). The Falkner-Skan flow with constant wall temperature and variable viscosity, **International Journal of Thermal Sciences**, Vol. 45, pp. 378-389.
33. A. Pantokratoras (2006). Fully developed laminar free convection with variable thermophysical properties between two open-ended vertical parallel plates heated asymmetrically with large temperature differences, **ASME Journal of Heat Transfer**, Vol. 128, pp. 405-408.
34. A. Pantokratoras (2006). The classical plane Couette-Poiseuille flow with variable fluid properties, **ASME Journal of Fluids Engineering**, Vol. 128, pp. 1115-1121.
35. A. Pantokratoras (2006). Comment on “Forced and free mixed convection boundary layer flow with uniform suction or injection on a vertical flat plate, by T. Watanabe, *Acta Mech.* 89, 123-132, 1991”, **Acta Mechanica**, Vol. 186, pp. 239-240.
36. A. Pantokratoras (2006). Natural convection of air and water with variable thermophysical properties about a vertical isothermal flat plate embedded in a Darcy porous medium, **Progress in Computational Fluid Dynamics**, Vol. 6, No. 8, pp. 498-510.
37. A. Pantokratoras (2006). Comment on “Laminar boundary layer flow over a horizontal permeable flat plate”, **Applied Mathematics and Computation**, Vol. 182, pp. 1-2.
38. A. Pantokratoras (2007). Comment on “ Influences of fluid property variation on the boundary layers of a stretching surface, by T. Fang, *Acta Mech.* 171, 105-118, 2004”, **Acta Mechanica**, Vol. 189, pp. 245-246.

39. A. Pantokratoras (2007). Non-Darcian forced convection heat transfer over a flat plate in a porous medium with variable viscosity and variable Prandtl number, **Journal of Porous Media**, Vol. 10, pp. 201-208.
40. A. Pantokratoras (2007). Fully developed forced convection of three fluids with variable thermophysical properties flowing through a porous medium channel heated asymmetrically with large temperature differences, **Journal of Porous Media**, Vol. 10, pp. 409-419.
41. A. Pantokratoras (2007). Classical plane Couette flow with viscous dissipation and variable fluid properties, **AIAA Journal of Thermophysics and Heat Transfer**, Vol. 21, pp. 437-442.
42. A. Pantokratoras (2007). Comment on “Thermal-diffusion and diffusion-thermo effects on mixed free-forced convective flow and mass transfer over an accelerating surface with a heat source in the presence of suction and blowing in the case of variable viscosity, by M.A. Seddeek, *Acta Mech.* 172, 83-94, 2004” and on “Finite element method for the effects of chemical reaction, variable viscosity, thermophoresis and heat generation/absorption on a boundary-layer hydromagnetic flow with heat and mass transfer over a heat surface by M. A. Seddeek, *Acta Mech.* 177, 1-18, 2005”, **Acta Mechanica**, Vol. 191, pp. 239-241.
43. A. Pantokratoras (2007). The Blasius, Sakiadis and Blasius-Sakiadis flow with uniform suction. A unified approach, **Progress in Computational Fluid Dynamics**, Vol. 7, pp. 482-486.
44. A. Pantokratoras (2007). Effect of transverse magnetic field on flow separation of laminar boundary layers, **Progress in Computational Fluid Dynamics**, Vol. 7, pp. 487-489.
45. A. Pantokratoras (2007). Comments on “Flow of a Newtonian fluid in a symmetrically heated channel: effect of viscosity and viscous dissipation”, **Mathematical Problems in Engineering**, Volume 2007, Article ID 74832, 4 pages.
46. A. Pantokratoras (2007). Comment on “Combined heat and mass transfer by laminar mixed convection flow from a vertical surface with induced magnetic field, *J. Appl. Phys.* 99, 034901, 2006”, **Journal of Applied Physics**, 102, 076113.
47. A. Pantokratoras (2007). Comment on “Radiation effect on convective heat transfer in an electrically conducting fluid at a stretching surface with variable viscosity and uniform free stream, 2000 *Phys. Scr.* 62, 321-325” and on “Hall effects on magnetohydrodynamic free-convection flow at a stretching surface with a uniform free stream, 2001 *Phys. Scr.* 63, 29-35” and on “Hall and ion-slip effects on MHD free convective heat generating flow past a semi-infinite vertical flat plate, 2000 *Phys. Scr.* 61, 344-348” **Physica Scripta**, Vol. 76, pp. 714-715.
48. A. Pantokratoras (2007). Fully developed Couette flow of three fluids with variable thermophysical properties flowing through a porous medium channel heated asymmetrically with large temperature differences, **ASME Journal of Heat Transfer**, Vol. 129, pp. 1742-1747.
49. A. Pantokratoras (2007). Comment on “Thermal radiation effects on magnetohydrodynamic flow past a semi-infinite vertical plate in the presence of mass diffusion by E. M. Abo-Eldahab and G. El-Din A. Azzam”, **Canadian Journal of Physics**, Vol. 85, pp. 1491-1493.
50. A. Pantokratoras (2007). Some new parallel flows in weakly conducting fluids with an exponentially decaying Lorentz force, **Mathematical Problems in Engineering**, Vol. 2007, Article ID 87814.
51. A. Pantokratoras (2008). A note on mixed convection of laminar plane water plumes at temperatures around the density extremum, **Archive of Applied Mechanics**, Vol. 78, pp. 11-20.
52. A. Pantokratoras (2008). Study of MHD boundary layer flow over a heated stretching sheet with variable viscosity. A numerical reinvestigation, **International Journal of Heat and Mass Transfer**, Vol. 51, pp. 104-110.
53. Pantokratoras (2008). Comment on “Thermal-diffusion and diffusion-thermo effects on mixed free-forced convection and mass transfer boundary layer flow for non-Newtonian fluid with temperature dependent viscosity, by N.T. Eldabe, A.G. El-Saka and Ashraf Fouad, *Applied Mathematics and Computation* 152 (2004) 867-883”, **Applied Mathematics and Computation**, Vol. 196, pp. 959-961.
54. A. Pantokratoras (2008). Comment on “Similarity analysis in magnetohydrodynamics: Hall effects on forced convective heat and mass transfer of non-Newtonian power law fluids past a semi-infinite vertical flat plate, by A.A. Afify, E.M. Aboeldahab and E.S. Mohamed, *Acta Mech.* 177, 71-87, 2005”, **Acta Mechanica**, Vol. 198, pp. 119-121.

55. A. Pantokratoras (2008). Comments on “Numerical study for micropolar flow over a stretching sheet, by Moncef Aouadi, Computational Materials Science, 38, 2007, 774-780”, **Computational Materials Science**, Vol. 42, pp. 717-718.
56. A. Pantokratoras (2008). The Blasius and Sakiadis flow with variable fluid properties, **Heat and Mass Transfer**, Vol. 44, pp. 1187-1198.
57. A. Pantokratoras (2008). Comment on “Chebyshev finite difference method for the effects of variable viscosity and variable thermal conductivity on heat transfer from moving surfaces with radiation, E. M.E. Elbarbary, N.S. Elgazery, International Journal of Thermal Sciences 43(2004) 889-899”, **International Journal of Thermal Sciences**, Vol. 47, pp. 1411-1412.
58. A. Pantokratoras (2008). Comment on “ Lie group analysis of radiation natural convection flow past an inclined surface”, S. Sivasankaran, M. Bhuvaneshwari, P. Kandaswamy, E. K. Ramasami [Communications in Nonlinear Science and Numerical Simulation, 13 (2008) 269-276], **Communications in Nonlinear Science and Numerical Simulation**, Vol. 13, pp. 1741-1742.
59. A. Pantokratoras (2008). Comment on “Thermal radiation effects on MHD flow of a micropolar fluid over a stretching surface with variable thermal conductivity, by Mostafa A. A. Mahmoud, Physica A 375 (2007) 401-410”, **Physica A**, Vol. 387, pp. 2416-2418.
60. A. Pantokratoras (2008). Comment on “ Unsteady MHD combined convection over a moving vertical sheet in a fluid saturated porous medium with uniform surface heat flux, S.M.M. El-Kabeir, A.M. Rashad, Rama Subba Reddy Gorla, Mathematical and Computer Modelling 46 (2007) 384-397” **Mathematical and Computer Modelling**, Vol. 48, pp. 662-663.
61. A. Pantokratoras (2008). Comment on “Flow and heat transfer in a micropolar fluid past a stretching surface embedded in a non-Darcian porous medium with a uniform free stream”, by Emad M. Abo-Eldahab and Mohamed A. El Aziz [Applied Mathematics and Computation, 162 (2005) 881-899], **Applied Mathematics and Computation**, Vol. 202, pp. 895-896.
62. A. Pantokratoras (2008). Letter to the Editor, **Transport in Porous Media**, Vol. 74, pp. 347-348.
63. A. Pantokratoras (2008). Some exact solutions of boundary layer flows along a vertical plate with buoyancy forces combined with Lorentz forces under uniform suction, **Mathematical Problems in Engineering**, Volume 2008, Article ID 149272, 18 pages.
64. A. Pantokratoras (2008). Comment on “Radiative effect on natural convection flows in porous media”, A.A. MOHAMMADEIN, M. A. MANSOUR, SAHAR M. ABD EL GAIED and RAMA SUBBA REDDY GORLA, Transport in Porous Media 32:263-283, 1998”, **Transport in Porous Media**, Vol. 75, pp. 273-274.
65. A. Pantokratoras (2009). Comments on “Perturbation analysis of radiative effect on free convection flows in porous medium in the presence of pressure work and viscous dissipation, by A.M. Rashad, Communications in Nonlinear Science and Numerical Simulation, 2007”, **Communications in Nonlinear Science and Numerical Simulation**, Vol. 14, pp. 345-346.
66. A. Pantokratoras (2009). A common error made in investigation of boundary layer flows, **Applied Mathematical Modelling**, Vol. 44, pp. 1187-1198.
67. A. Pantokratoras (2009). Comments on “Magnetohydrodynamic flow past a vertical plate with radiative heat transfer by S. Shateyi, P. Sibanda and S.S. Motsa [Journal of Heat Transfer, Vol. 129, pp. 1708-1713, 2007], **Journal of Heat Transfer**, Vol. 131, No.2, 025503.
68. A. Pantokratoras (2009). Free convection along a vertical isothermal plate under the effect of a constant, horizontal, magnetic field: New accurate results, **Progress in Computational Fluid Dynamics**, Vol. 9, No. 1, pp. 52-57.
69. A. Pantokratoras (2009). Asymptotic suction profiles for the Blasius and Sakiadis flow with constant and variable fluid properties, **Archive of Applied Mechanics**, Vol. 79, pp. 469-478.
70. A. Pantokratoras (2009). Mixed convection in water near the density extremum along a vertical plate with sinusoidal surface temperature variation embedded in a porous medium, **Transport in Porous Media**, Vol. 76, pp. 309-325.
71. A. Pantokratoras (2009). Asymptotic profiles for the Blasius and Sakiadis flow in a Darcy-Brinkman isotropic porous medium either with uniform suction or with zero transverse velocity, **Transport in Porous Media**, Vol. 76, pp. 421-429.
72. A. Pantokratoras, E. Magyari (2009). EMHD free convection boundary layer flow from a Riga-plate, **Journal of Engineering Mathematics**, Vol. 64, pp. 303-315.
73. A. Pantokratoras (2009). Flow adjacent to a stretching permeable sheet in a Darcy-Brinkman porous medium, **Transport in Porous Media**, Vol. 80, pp. 223-227.

74. A. Pantokratoras (2009). The nonsimilar laminar wall plume in a constant transverse magnetic field, **International Journal of Heat and Mass Transfer** , Vol. 52, pp. 3873-3878.
75. A. Pantokratoras (2009). The nonsimilar laminar wall jet with uniform blowing or suction: New results, **Mechanics Research Communications**, Vol. 36, pp. 747-753.
76. A. Pantokratoras and T. Fang (2010). Flow of a weakly conducting fluid in a channel filled with a porous medium, **Transport in Porous Media**, Vol. 83, pp. 667-676.
77. B. Q. Zhao, A. Pantokratoras, T.G. Fang, and S. J. Liao (2010). Flow of a Weakly Conducting Fluid in a Channel Filled with a Darcy–Brinkman–Forchheimer Porous Medium, **Transport in Porous Media**, Vol. 85, pp. 131-142.
78. A. Pantokratoras, E. Magyari (2010). Forced Convection Flow of Power-Law Fluids Over a Flat Plate Embedded in a Darcy-Brinkman Porous Medium, **Transport in Porous Media**, Vol. 85, pp. 143-155.
79. A. Pantokratoras (2010). Nonsimilar aiding mixed convection along a moving cylinder in a free stream, **ZAMP**, Vol. 61, pp. 309-315.
80. A. Pantokratoras and T. Fang (2010). Flow adjacent to a flat plate in a Darcy-Brinkman porous medium oscillating with arbitrary periodic oscillation, **Journal of Porous Media**, Vol. 13, pp. 759-763.
81. A. Pantokratoras (2010). The mixed convection wall plume in a constant transverse magnetic field. New correct results, **Physica Scripta** **82** 065401
82. A. Pantokratoras (2011). The nonsimilar laminar wall jet along a moving wall, in a free stream and in a free stream/moving wall, **Applied Mathematical Modelling**, Vol. 35, pp. 471-481.
83. A. Pantokratoras (2011). The Blasius and Sakiadis flow with uniform blowing or suction in non-Newtonian power-law fluids, **Chemical Engineering Communications**, Vol. 198, pp. 332-343.
84. E. Magyari and A. Pantokratoras (2011). Aiding and opposing mixed convection flows over the Riga-plate, **Communications in Nonlinear Science and Numerical Simulation**, Vol. 16, pp. 3158-3167.
85. A. Pantokratoras and T. Fang (2011). A note on the Blasius and Sakiadis flow of a non-Newtonian power-law fluid in a constant transverse magnetic field, **Acta Mechanica**, Vol. 218, pp. 187-194.
86. E. Magyari and A. Pantokratoras (2011). Note on the effect of thermal radiation in the linearized Rosseland approximation on the heat transfer characteristics of various boundary layer flows, **International Communications in Heat and Mass Transfer**, Vol. 38, pp. 554-556.
87. A. Pantokratoras (2011). Further results on hydromagnetic boundary-layer flow of a non-Newtonian power-law fluid over a continuously moving surface with suction, **Chemical Engineering Communications**, Vol. 198, pp. 1405-1414.
88. A. Pantokratoras (2011). The Blasius and Sakiadis flow along a Riga-plate, *Progress in Computational Fluid Dynamics* (in press).

Professional Achievements and Activities

- Best Hydraulics Paper Award from the Athens Academy in 2003 for papers No. 6 and No. 20
- Paper No. 43 has been judged as "excellent" from the reviewers.
- His Book entitled "Solved problems of Fluid Mechanics with synoptic theory" received excellent critics from Professor E. Gdoutos as well as from the Student Union of Democritus University of Thrace.

Reviewer of International journals

Heat and Mass Transfer, Applied Mathematical Modeling, Acta Mechanica, Water Resources Management, ASCE Journal of Hydraulic Engineering, Indian Journal of Pure and Applied Mathematics, International Journal of Thermal Sciences, International Journal of Numerical Methods for Heat and Fluid Flow, Journal of Porous Media, Physics Letters A, Progress in Computational Fluid Dynamics, Canadian Journal of Physics, International Journal of Heat and Mass Transfer, ASME Journal of Fluids Engineering, International Journal of Engineering Science, Chemical Engineering Communications, Journal of Energy Heat and Mass Transfer, Meccanica, Chemical Engineering Science, Nonlinear Analysis Modelling and Control, Communications in Numerical Methods in Engineering, ASME Journal of Heat Transfer, Transport in Porous Media, International Communications in Heat and Mass Transfer, Numerical Heat Transfer, ASME Journal of Applied Mechanics, Nuovo Cimento, Journal of Fluid Mechanics.

Participation in Research Projects

Prof. Asterios Pantokratoras Dip-Eng, PhD

Participation as a Principal Investigator

1. Optimum economic design of the water transport pipe from the reservoir to the distilling industry of Alexandroupolis (Greece) and investigation of sedimentation in the reservoir.

Finance Institution: Public Water Supply Utility of Alexandroupolis in Greece

Duration: 24 months

Budget: 30000 €

2. Construction of a mathematical model for the water supply network of Alexandroupolis

Finance Institution: Public Water Supply Utility of Alexandroupolis in Greece

Duration: 24 months

Budget: 30000 €

3. Investigation of water supply conditions in the municipalities and communities (in relation to sufficiency, water quality, pipe network state and protection of water abstraction points) of Drama Prefecture (Greece) - Perspectives.

Finance Institution: Public Water Supply Utility of Drama in Greece

Duration: 24 months

Budget: 40000 €

4. Investigation for surface water and sewage drainage conditions in the municipalities and communities of Xanthi prefecture (Greece) - Perspectives

Finance Institution: Local Union of Municipalities and Communities of Xanthi Prefecture (Greece)

Duration: 28 months

Budget: 35000 €

5. Investigation of the water supply network of Topeiros Municipality (Greece) and suggestions for its enhancement.

Finance Institution: Municipality of Topeiros, Xanthi Prefecture (Greece)

Duration: 36 months

Budget: 100000 €

10. Water supply pipe of Nagow in the Island of Chios (Greece).

Finance Institution: Region of the North Aegean (Greece)

Duration: 12 months

Budget: 15000 €

Participation as a Researcher

1. Hydro-geological study of artificial enrichment in underground aquifers in the prefectures of Xanthi and Rodopi (Greece). Finance Institution: Ministry of Agriculture.

2. Hydro-geological sorting and adaptation of a suitable mathematical model for the water management in a wide, heterogeneous and neighboring to the sea field (application to the south part of Rodopi prefecture). Finance Institution: General Administration of Research and Technology in Greece.
3. Mathematical Investigation of an aquifer in order to define an optimum available quantity of underground water. Application to the plain of Xanthi (Greece). Finance Institution: General Administration of Research and Technology in Greece.
4. Study for the enrichment of underground aquifers in the plain of Xanthi (Greece). Finance Institution: General Administration of Research and Technology in Greece.