

CURRICULUM VITAE OF G. PAPASCHINOPOULOS

1. PERSONAL INFORMATION

Name: Garyfalos Papaschinopoulos

Date of Birth: 27-5-1956

Address: Democritus University of Thrace, Department of Environmental Engineering, 67100 Xanthi, Greece

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2. EDUCATION

1974-1975: First year in the Department of Mathematics of the University of Ioannina

1975-1978: B.S. in Mathematics in the Department of Mathematics of the University of Thessaloniki

1984: Ph. D in Mathematics in the Democritus University of Thrace

3. PROFESSIONAL EXPERIENCE

1980-1987: Research Assistant, Democritus University of Thrace

1987-1990: Lecturer, Democritus University of Thrace

1990-1994: Assistant Professor, Democritus University of Thrace

1994-2005: Associate Professor, Democritus University of Thrace

2006 Professor, Democritus University of Thrace

4. TEACHING EXPERIENCE

A. Undergraduate courses:

1. Complex Functions and Transformations

2. Numerical Analysis

3. Operational Research

4. Calculus of Variations

5. Difference Equations

6. Mathematical Analysis II

7. Probability and Statistics

B. Graduate Courses:

1. Integral Transforms

2. Special Topics in Linear Algebra

5. SCIENTIFIC ORGANIZATIONS

1) Member of the American Mathematical Society

2) Member of the «Journal of Difference Equations and Applications»

7. NOTES FOR UNDERGRADUATE STUDENTS

"Linear Programming". "Linear Algebra"

8. PH. D. DISSERTATIONS COMMITTEE MEMBER

Member of the Committee of the Ph. D. Dissertation: N. Karydas,
"On the integral manifold for discrete dynamical systems" (presented).

2. Member of the Committee of the Ph. D. Dissertation: C. Schinas,
"Invariants of nonlinear difference equations" (presented).

3. Member of the Committee of the Ph. D. Dissertation: V. Hatzifilippides "Study
of the solutions of linear difference equations".

4. Member of the Committee of the Ph. D. Dissertation: V. Kotti,
"Modeling stochastic systems with modern techniques based on the maximum
likelihood function: Applications in Neurophysiology".

5. Supervisor of the Committee of the Ph. D. Dissertation: N. Fotiades "Subjects
on Topological and measurable dynamics of interval maps".

6. Supervisor of the Committee of the Ph. D. Dissertation of G. Stephanidou.

9. RESEARCH PROJECTS

1. PENED 95: Member of the project entitle "On the behavior of the
Solutions of Difference Equations and Differential Equations: Dichotomies,
Stability, Oscillations".

2. PRENED 96: Leader of the project entitle "Study of the behavior of the
solutions of nonlinear difference equations".

3. PRENED 97: Member of the project entitle "Discrete Dynamical Systems
– Deformations of Complex Structures".

4. PRENED 99: Leader of the project entitle "Study of nonlinear difference
equations and applications – Fuzzy Difference Equations".

10. RESEARCH INTERESTS

Differential Equations, Difference Equations. Fuzzy Logic

11. LIST OF PUBLICATIONS

Ph. D. DISSERTATION

"Exponential Dichotomy, Multiplicative Separation and structural stability of
Linear difference Equations", Department of Electrical Engineering,
Democritus University of Thrace, Xanthi, 1994.

B. REFEREED ARTICLES IN INTERNATIONAL JOURNALS



1. J.Schinas and G.Papaschinopoulos, Topological equivalence for linear
discrete systems via dichotomies and Lyapunov functions, Boll.
Un.Mat. Ital. 6,4 (1985), 61-70.

2. G.Papaschinopoulos and J.Schinas, Criteria for an exponential
dichotomy of difference equations, Czechoslovak. Math. J., 35 (110)
1985, p.295-299.

3. G.Papaschinopoulos and J.Schinas, Conditions for exponential
dichotomy of difference equations, Rad.Matematicki, Vol. 1 (1985), p.

- 9-24.
4. G.Papaschinopoulos and J.Schinas, A criterion for the exponential dichotomy of difference equations, *Rend. Sem. Fac. Sci. Univ. Cagliari*, Vol. 54, fasc 1 (1984), p. 61-71.
 5. G.Papaschinopoulos, Exponential separation, exponential dichotomy and almost periodicity of linear difference equations, *J. Math. Anal. Appl.* 120 (1986), 276-287.
 6. G.Papaschinopoulos and J.Schinas, Structural stability via the density of a class of linear discrete systems, *J.Math. Anal. Appl.* 127 (1987), 530-539.
 7. G.Papaschinopoulos, On almost periodic differential and difference equations, *Ann. Soc. Sci. Bruxelles*, 101, (1987), 3-8.
 8. G.Papaschinopoulos, A characterization of exponential separation in terms of reducibility for linear difference equations, *J.Math. Anal. Appl.*, 133 (1988), 231-248.
 9. G.Papaschinopoulos, On the summable manifold for discrete systems, *Math. Japon*, 33, No 3 (1988), 457-468.
 10. J.Kurzweil and G.Papaschinopoulos, Structural stability of linear discrete systems via the exponential dichotomy, *Czechoslovak Math.J.* 38 (113), 1988, 280-284.
 11. G.Papaschinopoulos, Linearization near the summable manifold for discrete systems, *Stud. Sci. Math. Hung.* 25 (1990), 275-289.
 12. G.Papaschinopoulos, Some roughness results concerning reducibility for linear difference equations, *Internat. J. Math. Math. Sci.*, Vol.11, No 4, (1988), 793-804.
 13. G.Papaschinopoulos, Exponential dichotomy for almost periodic linear difference equations, *Ann. Soc. Sci. Bruxelles*, 102, (1988), 19-28.
 14. G.Papaschinopoulos, Dichotomies in terms of Lyapunov functions for linear difference equations, *J. Math. Anal. Appl.*, Vol.152 (1990), 524-535.
 15. J.Kurzweil and G.Papaschinopoulos, Topological equivalence and structural stability for linear difference equations, *J. Differential Equations*, Vol. 89 (1991), 89-94.
 16. G.Papaschinopoulos, On exponential trichotomy of linear difference equations, *Appl. Anal.*, Vol. 40 (1991), 89-109.
 17. G.Papaschinopoulos, A characterization of exponential trichotomy via Lyapunov functions for difference equations, *Math. Japon.*, 37, No 3 (1992), 555-562.
 18. G.Papaschinopoulos and J.Schinas, Existence stability and oscillation of the solutions of first order neutral delay differential equations with piecewise constant argument, *Appl. Anal.*, Vol. 44 (1992), 99-111.
 19. G.Papaschinopoulos and J.Schinas, On asymptotic stability of a system of two rational recursive sequences, *Panamer. Math. J.*, 3, No 4 (1993), 1-7.
 20. G.Papaschinopoulos, On a class of neutral delay differential equations

- with piecewise constant argument and variable coefficients, *Utilitas Mathematica*, 44 (1993), 131-143.
21. G.Papaschinopoulos, Some results concerning a class of differential equations with piecewise constant argument, *Math. Nachr.* 166, (1994), 193-206.
 22. G.Papaschinopoulos, On a class of third order neutral delay differential equations with piecewise constant argument, *Internat. J. Math. Math. Sci.*, Vol.17, No 1 (1995), 121-126.
 23. G.Papaschinopoulos, On a system of two second order differential equations with piecewise constant argument, *Rivista di Mat. Pura ed Appl.*, No 15 (1994), 47-54.
 24. G.Papaschinopoulos, On asymptotic behavior of the solutions of a class of perturbed differential equations with piecewise constant argument, *J. Math. Anal. Appl.*, Vol. 185, No.2 (1994), 490-500.
 25. G.Papaschinopoulos, Exponential dichotomy, topological equivalence and structural stability for differential equations with piecewise constant argument, *Analysis*, 14, 239-247 (1994).
 26. G.Papaschinopoulos, Conditions for Kinematical similarity of a linear difference equation to a block upper triangular equation, *Comput. Math. Appl.*, Vol. 28, No. 1-3, pp. 255-257, 1994.
 27. G.Papaschinopoulos and J.Schinas, Some results concerning second and third order neutral delay differential equations with piecewise constant argument, *Czechoslovak Math. J.*, 44 (119) 1994, 501-512.
 28. G.Papaschinopoulos, On a first order neutral differential equation and on a system of two first order neutral differential equations with piecewise constant argument, *Panamer. Math. J.*, Vol. 4, Number 1 (1994), 55-71.
 29. G.Papaschinopoulos, A linearization result for a differential equation with piecewise constant argument, *Analysis*, 16, 161-170 (1996).
 30. G.Papaschinopoulos, On the integral manifold for a system of differential equations with piecewise constant argument, *J. Math. Anal. Appl.* 201 (1996), 75-90.
 31. G.Papaschinopoulos, Linearization near the integral manifold for a system of differential equations with piecewise constant argument, *J. Math. Anal. Appl.* 215 (1997), 317-333.
 32. G.Papaschinopoulos, J.Schinas, Permanence and Oscillation of a system of two nonlinear difference equations, *J. Differ. Equations Appl.*, 1997, Vol. 3, pp. 185-196.
 33. G.Papaschinopoulos, C.Schinas, Invariants for systems of two difference equations of rational form with periodic coefficients, *Funct. Differ. Equ.*, Vol. 4, No. 1-2 (1997) 155-163.
 34. G.Papaschinopoulos, C.Schinas, Existence of two nonlinear projections for a nonlinear differential equation with piecewise constant argument, *Dynam. Systems Appl.*, Vol. 7, Number 2 (1998), 277-289.

35. G.Papaschinopoulos, C.Schinas, On the behavior of the solutions of a system of two nonlinear difference equations, *Comm. Appl. Nonlinear Anal.* 5 (1998), No 2, 47-59.
36. G.Papaschinopoulos, C.Schinas, Persistence, oscillatory behavior and periodicity of the solutions of a system of two nonlinear difference equations, *J. Differ. Equations Appl.* 1998, Vol. 4, pp. 315-323.
37. G.Papaschinopoulos, C.Schinas, On a system of two nonlinear difference equations, *J. Math. Anal. Appl.* 219 (1998), 415-426.
38. G. Papaschinopoulos, C. Schinas, On the difference equation,

$$x_{n+1} = \frac{bx_n x_{n-1} + ax_n + b - b^2}{x_n(x_n x_{n-1} - b)},$$
Math. Sci. Res. 2 (1998), no. 2, 1-6.
39. G.Papaschinopoulos, C.Schinas, Invariants for systems of two nonlinear difference equations, *Differential Equations Dynam. Systems*, Vol. 7, No. 2 (1999), pp. 181-196.
40. G. Papaschinopoulos, J. Schinas and V. Hatzifilippidis, Periodicity and asymptotic behavior of positive solutions of one difference equation, *Funct. Differ. Equ.*, Vol. 6, No 3-4 (1999), p.p. 397-410.
41. G. Papaschinopoulos, C. Schinas, Invariants, boundedness and persistence of nonautonomous difference equations of rational form, *Comm. Appl. Nonlinear Anal.* 6 (1999), No 2, 71-88.
42. G. Papaschinopoulos, C. Schinas, Generalized invariants for systems of difference equations of rational form, *Neural Parallel Sci. Comput.*, Vol. 7, Number 3, (1999), p.p. 379-404.
43. G. Papaschinopoulos, C. Schinas, Stability of a class of nonlinear difference equations, *J. Math. Anal. Appl.* 230 (1999), 211-222.
44. G. Papaschinopoulos, C. Schinas, On the system of two nonlinear difference equations $x_{n+1} = A + \frac{x_{n-1}}{y_n}, y_{n+1} = A + \frac{y_{n-1}}{x_n}$, *Internat. J. Math. Math. Sci.*, Vol. 23, No. 12 (2000), 839-848.
45. G. Papaschinopoulos, C. Schinas, On the difference equation

$$x_{n+1} = \sum_{i=0}^{k-1} \frac{A_i}{x_{n-i}^{p_i}} + \frac{1}{x_{n-k}^{p_k}},$$
J. Differ. Equations Appl. 2000, Vol. 6, pp. 75-89.
46. G. Papaschinopoulos, C. Schinas, Invariants and oscillation for systems of two nonlinear difference equations, *Nonlinear Anal.*, 46 (2001) 967-978.
47. G. Papaschinopoulos, C. Schinas, Oscillation and asymptotic stability of two systems of difference equations of rational form, *J. Differ. Equations Appl.*, Vol. 7 (2001), 601-617.
48. G. Papaschinopoulos and V. Hatzifilippidis, On a Max difference equation, *J. Math. Anal. Appl.*, 258 (2001), 258-268.
49. G. Papaschinopoulos and B.K. Papadopoulos, On the fuzzy difference equation $x_{n+1} = A + \frac{B}{x_n}$. *Soft Computing*, 6 (2002) 456-461.
50. G. Papaschinopoulos and B.K. Papadopoulos, On the fuzzy difference

equation $x_{n+1} = A + \frac{x_n}{x_{n-m}}$, Fuzzy Sets and Systems, 129 (2002) 73-81.

51. G. Papaschinopoulos, C. Schinas, On the system of two difference equations $x_{n+1} = \sum_{i=0}^k \frac{A_i}{y_{n-i}^{p_i}}$, $y_{n+1} = \sum_{i=0}^k \frac{B_i}{x_{n-i}^{q_i}}$, J. Math. Anal. Appl., 273(2), 2002, 294-309.
52. G. Papaschinopoulos, J. Schinas and V. Hatzifilippidis, Global behavior of the solutions of a Max-equation and a system of two Max-equations, Journal of Computational Analysis and Applications, Vol. 5, No. 2, (2003), 237-254.
53. G. Papaschinopoulos and G. Stefanidou, Boundedness and asymptotic behavior of the solutions of a fuzzy difference equation. Fuzzy Sets and Systems, 140 (2003) 523-539.
54. G. Papaschinopoulos and G. Stefanidou, Trichotomy of a system of two difference equations, J. Math. Anal. Appl., 289 (2004) 216-230.
55. E. Camouzis and G. Papaschinopoulos, Global asymptotic behavior of positive solutions on the system of rational difference equations $x_{n+1} = 1 + \frac{x_n}{y_{n-m}}$, $y_{n+1} = 1 + \frac{y_n}{x_{n-m}}$, Applied Mathematics Letters 17 (6) (2004), pp.733-737.
56. G. Stefanidou and G. Papaschinopoulos, "Trichotomy, stability and oscillation of a fuzzy difference equation", Advances in Differences Equations, No. 4 (2004), pp. 337-357.
57. G. Papaschinopoulos, J. Schinas, Global asymptotic stability and oscillation of a family of difference equations, J. Math. Anal. Appl., 294 (2) (2004) pp. 614-620.
58. E. Camouzis, R. DeVault and G. Papaschinopoulos, On the recursive sequence, Advances in Differences Equations, No. 1 (2005), pp. 31-40.
59. G. Stefanidou and G. Papaschinopoulos, "Behavior of the Positive Solutions of Fuzzy Max-Difference Equations", Advances in Differences Equations, No 2 (2005), pp. 153-172.
60. G. Papaschinopoulos and C. Schinas, On a (k+1)-th order difference equation with a coefficient of period k+1, Journal of Difference Equations and Applications, Vol. 11, No 3, (2005), pp. 215-225.
61. G. Papaschinopoulos and C. J. Schinas, "Periodic and asymptotic character of a difference equation with periodic coefficient", Mathematical Sciences Research Journal, 9 (2) (2005) 32-40.

62. G. Stefanidou and G. Papaschinopoulos, A fuzzy difference equation of a rational form, *Journal of Nonlinear Mathematical Physics*, Special Issue dedicated to the sixth meeting on the "Symmetries and integrability of difference equations", Helsinki, 12 (Suppl. 2) (2005), 300-315.
63. G. Papaschinopoulos, C. J. Schinas and G. Stefanidou, "On a difference equation with 3-periodic coefficient", *Journal of Difference Equations and Applications*, Vol. 11, No. 15, December 2005, 1281-1287.
64. G. Stefanidou and G. Papaschinopoulos, The periodic nature of the positive solutions of a nonlinear fuzzy max-difference equation, *Information Sciences*, 176 (2006), 3694-3710.
65. G. Papaschinopoulos, C.J. Schinas, On a nonautonomous difference equation with bounded coefficient. *J. Math. Anal. Appl.* 326 (2007), no. 1, 155--164.
66. G. Papaschinopoulos, G. Stefanidou and P. Efraimidis, Existence, uniqueness and asymptotic behavior of the solutions of a fuzzy differential equation with piecewise constant argument, *Information Sciences*, 177 (2007), no. 18, 3855--3870.
67. G. Papaschinopoulos, C. J. Schinas and G. Stefanidou, "Boundedness, periodicity and stability of the difference equation $x_{n+1} = A_n + \left(\frac{x_{n-1}}{x_n}\right)^p$ " *International Journal of Dynamical Systems and Differential Equations*, 2007 - Vol. 1, No.2 pp. 109 -116.
68. G. Papaschinopoulos, C. J. Schinas and G. Stefanidou, "On a k order system of Lyness type difference equations", *Advances in Difference Equations*, Adv. Difference Equ. 2007, Art. ID 31272, 13 pp.
69. G. Stefanidou, G. Papaschinopoulos, C. J. Schinas, On a system of max-difference equations. *Dyn. Contin. Discrete Impuls. Syst. Ser. A Math. Anal.* 14 (2007), no. 6, 885--903.
70. Chrysafis, K, Papadopoulos, B., Papaschinopoulos, G., On the fuzzy difference equation of finance, *Fuzzy Sets and Systems*, 159 (2008), no. 24, 23359-3270.
71. G. Papaschinopoulos, C. J. Schinas, On a non-autonomous k-order rational difference equation, *J. Difference Equ. Appl.*, 14 (2008), no. 6, 645-655.
72. G. Stefanidou, G. Papaschinopoulos, C.J. Schinas, On an exponential type fuzzy difference equations, *Advances in Difference Equations*, Vol. 2009, Article ID 196920.

73. G. Papaschinopoulos, G. Stefanidou, C. J. Schinas, Boundedness, attractivity and stability of a rational difference equation with two periodic coefficients, *Discrete Dyn. Nat. Soc.* 2009, Art. ID. 973714, 23 pp.
74. G. Papaschinopoulos, C.J. Schinas, G. Stefanidou, Two modifications of the Beverton-Holt equation, *Int. J. Difference Equ.* 4 (2009), no. 1, 115-136.
75. C. J. Schinas, G. Papaschinopoulos, G. Stefanidou, On the recursive sequence $x_{n+1} = A + \frac{x_{n-1}^p}{x_n^q}$, *Adv. Difference Equ.* Article ID 327649, 11p. (2009).
76. G. Stefanidou, G. Papaschinopoulos, C. J. Schinas, On an exponential type fuzzy difference equation, *Advances in Difference Equations*, Article ID 196920, 19 pages, (2010), doi 10.1155/2010/196920.
77. G. Stefanidou, G. Papaschinopoulos, C. J. Schinas, On a system of two exponential type difference equations, *Communications in Applied Nonlinear Analysis*, 17(2), (2010), pp. 1-13.
78. G. Papaschinopoulos, G. Stefanidou and K.B. Papadopoulos, On a modification of a discrete epidemic model, *Comput. Math. Anal. Appl.* 59 (11) (2010), pp. 3559-3569.
79. G. Papaschinopoulos, C. J. Schinas, G. Stefanidou, "On the nonautonomous difference equation $x_{n+1} = A_n + (x_{n-1}^p / x_n^q)$ ", *Applied Mathematics and Computation (Elsevier)*, Vol. 217, Issue 12 (2011), pp. 5573-5580.
80. G. Papaschinopoulos, M. A. Radin, C. J. Schinas, "On the system of two difference equations $x_{n+1} = a + bx_{n-1}e^{-y_n}$, $y_{n+1} = c + dy_{n-1}e^{-x_n}$ ", *Mathematical and Computer Modelling (Elsevier)*, Vol. 54, Issue 11-12 (2011), pp. 2969-2977.
81. G. Papaschinopoulos, M. A. Radin, C. J. Schinas, "Study of the asymptotic behavior of the solutions of three systems of difference equations of exponential form", *Applied Mathematics and Computation (Elsevier)*, 218 (2012), pp. 5310-5318.
82. G. Papaschinopoulos, C. J. Schinas, "On the dynamics of two exponential type systems of difference equations", *Computers and Mathematics with Applications (Elsevier)*, 64 (2012), pp. 2326-2334.
83. N. Fotiades, G. Papaschinopoulos, Asymptotic behavior of the positive solutions of a system of k difference equations of exponential form. *Dyn. Contin. Discrete Impuls. Syst., Ser. A, Math. Anal.* 19, No. 5, 585-597 (2012).
84. N. Fotiades, G. Papaschinopoulos, Existence, uniqueness and attractivity of prime period two solutions for a difference equation of exponential form, *Applied Mathematics and Computation*, 218 (2012), pp. 11648-11653.

85. N. Fotiades, G. Papaschinopoulos, On a system of difference equations with maximum, *Applied Mathematics and Computation*, 221 (2013), pp. 684-690.
86. G. Papaschinopoulos, N. Fotiades, C. J. Schinas, "On a system of two difference equations including negative terms, *Journal of Difference Equations and Applications*, 2014, Vol. 20, Nos. 5–6, 717–732.
87. G. Papaschinopoulos, C. J. Schinas, G. Ellina, "On the dynamics of the solutions of a biological model", *Journal of Difference Equations and Applications*, 2014 Vol. 20, Nos. 5-6, 694-705.
88. G. Papaschinopoulos, G. Ellina, K.B. Papadopoulos, Asymptotic behavior of the positive solutions of an exponential system of difference equations, *Applied, Mathematics and Computation*, 245 (2014) 181-190.
89. G. Papaschinopoulos, N. Psarros and K.B. Papadopoulos, On a cyclic system of m difference equations, having exponential terms, *Electronic journal of Qualitative Theory of Differential Equations*, 2015, No XX, 1-13.
90. N. Psarros, G. Papaschinopoulos and C.J. Schinas, Semistability of two systems of difference equations using centre manifold theory, *Mathematical Models in the Applied Sciences*, Article ID 3904, pages 7 (2016).
91. G. Papaschinopoulos, N. Psarros, K. B. Papadopoulos, [Long-term behavior of positive solutions of an exponentially self-regulating system of difference equations](#), *International Journal of Biomathematics*, Vol. 10, Issue 18 (2016), 5216-5222 .
92. N. Psarros, G. Papaschinopoulos, C. J. Schinas, Study of the stability of a 3 X 3 system of difference equations using Centre Manifold Theory, *Applied Mathematics Letters*, Vol. 64 (2017) 185-192.
93. G. Ellina, G. Papaschinopoulos, B.K. Papadopoulos, Fuzzy Inference Systems: Selection of the most appropriate fuzzy implication from available lake water quality statistical data, *Environmental Processes*, Vol. 4, Issue 4 (2017), 923-935.
94. N. Psarros, G. Papaschinopoulos, C.J. Schinas, On the stability of some systems of exponential difference equations, *Opuscula Mathematica*, 38, no.1(2018), 95-115.
95. Mylona, C., Psarros, N., Papaschinopoulos, G., Schinas, C.
Stability of the non-hyperbolic zero equilibrium of two close-to-symmetric systems of difference equations with exponential terms
Symmetry, 2018, 10(6), 188.
96. Ellina,G., Papaschinopoulos G., Papadopoulos,B. The use of fuzzy estimators for the construction of a prediction model concerning an environmental ecosystem, *Sustainability (Switzerland)*, 2019, 11(18), 5039.
97. Ellina, G., Papaschinopoulos, G., Papadopoulos, B.K. Research of fuzzy implications via fuzzy linear regression in data analysis for a fuzzy model, *Journal of Computational Methods in Sciences and Engineering*, 2020, 20(3), pp. 879–888.

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99. Stoikidis, A., Papaschinopoulos, G. Study of a cyclic system of difference equations with maximum, *Electronic Journal of Qualitative Theory of Differential Equations*, 2020, 2020, pp. 1–14, 39.
100. Konstaninidis, K., Papaschinopoulos, G., Schinas, C.J., Asymptotic behaviour of the solutions of systems of partial linear homogeneous and nonhomogeneous difference equations, *Mathematical Methods in the Applied Sciences*, 2020, 43(7), pp. 3925–3935.
101. Mylona, C., Papaschinopoulos, G., Schinas, C.J., Neimark–Sacker, flip, and transcritical bifurcation in a close-to-symmetric system of difference equations with exponential terms, *Mathematical Methods in the Applied Sciences*, 2021.
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103. Ellina, G., Papaschinopoulos, G., Papadopoulos, B.K., Variables' classification via equivalence relations for the trophic state of a Mediterranean ecosystem, *Water Environment Research*, 2021.

C. ARTICLES IN REFERRED CONFERENCE PROCEEDINGS

1. J.Schinas and G.Papaschinopoulos, "Criteria for multiplicative separation of linear difference equations", *Differential Equations: Qualitative theory* (Szeged, 1984), *Colloq. Math. Soc. Janos Bolyai*, 47, North-Holland, Amsterdam-New York., (1987), 935-949.

2. G. Papaschinopoulos and J. Schinas, "Multiplicative separation, diagonalizability and structural stability of linear difference equations", *Differential Equations: Qualitative theory* (Szeged, 1984), *Colloq. Math. Soc. Janos Bolyai*, 47, North-Holland, Amsterdam-New York, (1987), 847-867.
3. S. Elaydi, G. Papaschinopoulos and J. Schinas, Asymptotic Theory for noninvertible systems, *Advances in Difference Equations*, Proceedings of the Second International Conference on Difference Equations, Veszprem, Hungary August 7-11, (1995), pp. 155-164.
4. G. Papaschinopoulos, P.Ch. Kiriakouli, and V. Hatzifilippidis, On the difference equation
$$x_{n+1} = A + \frac{1}{x_{n-k}} \sum_{s=0}^{k-1} c_s x_{n-s}$$
, Proceedings of the Third World Congress of Nonlinear Analysis.
5. G. Stefanidou, G. Papaschinopoulos, Asymptotic behaviour of the solutions of the fuzzy difference equation
$$x_{n+1} = A + \sum_{i=0}^k a_i x_{n-i} + \sum_{i=0}^k b_i x_{n-i},$$
 Proceedings conference on difference equations and applications (ICDEA 2003), Masaryk University, Brno, Czech Republic, July 28-August 1, 2003, Boca Raton, FL. Chapman&Hall/CRC.
6. C.J. Schinas, G. Papaschinopoulos, The system of two difference equations, $x_{n+1} = p + y_{n-k}, y_{n+1} = q + x_{n-k}$, Proceedings conference on difference equations and applications (ICDEA 2003), Masaryk University, Brno, Czech Republic, July 28-August 1, 2003, Boca Raton, FL. Chapman&Hall/CRC.