# Apostolos Serletis

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# Curriculum Vitae

#### DATE AND PLACE OF BIRTH:

08-12-1954, Hellas

#### NATIONALITY:

Hellenic

#### CITIZENSHIP:

Hellenic and Canadian

#### EDUCATION:

- B.A., University of Piraeus, 1976, Economics
- M.A., University of Windsor, 1979, Economics
- Ph.D., McMaster University, 1984, Economics

#### ACADEMIC POSITIONS:

- Assistant Professor, University of Calgary, 1984-1988
- Visiting Assistant Professor, University of Texas at Austin, 1986-1987
- Associate Professor, University of Calgary, 1988-1991
- Professor, University of Calgary, 1991-present
- University Professor, University of Calgary, 2006-2011

#### FIELDS OF INTEREST:

- Macroeconometrics
- Monetary and Financial Economics
- Nonlinear and Complex Dynamics

#### AWARDS AND HONORS:

- Associate Editor, Energy Economics, 2009-
- Associate Editor, Open Economies Review, 2016-
- Associate Editor, Macroeconomic Dynamics, 2004-
- Associate Editor, Journal of Economic Asymmetries, 2003-
- Editorial Advisory Board, Journal of Economic Studies, 2006-
- Board of Directors of the Athenian Policy Forum, 2012-
- Charter Fellow of the Society for Economic Measurement.
- Director, ICEMR Energy Industry program (RUDN-Moscow), 2017-
- Member of the Executive Committee of the Society for Economic Measurement, 2016-
- Charter Fellow of the Institute for Nonlinear Dynamical Inference (RUDN-Moscow), 2017-
- Associate Editor, Econometric Reviews, 2011-2013.
- University Professor, University of Calgary, 2006-2011.
- Editorial Board, Canadian Journal of Economics, 1990-1992.
- Australian Research Council, 2012-2014 (\$200,000), Partner Investigator.
- European Research Program (Thalis), 2011-2014 (euro 600,000), Partner Investigator.
- SSHRCC Research grants, 1998-2001, 2002-2005, 2006-2008, Principal Investigator.
- Faculty of Arts (University of Calgary) Research Fellowship, 2002.
- Faculty of Arts (University of Calgary) Distinguished Research Awards, 1997, 2003, and 2011.

#### EDITORSHIPS:

# Books

- 1. Co-editor (with William A. Barnett), *The Theory of Monetary Aggregation*. Contributions to Economic Analysis 245. Amsterdam: North-Holland (2000). This book has a *Preface* by Erwin Diewert.
- 2. Editor, Money and the Economy. World Scientific (2006). This book has a Foreword by William A. Barnett.
- 3. Editor, Quantitative and Empirical Analysis of Energy Markets, World Scientific Series on Energy and Resource Economics. This book has a Foreword by Melvin J. Hinich.
  - 1st Edition, World Scientific, 2007
  - Revised Edition, World Scientific, 2013
- 4. Co-editor (with William A. Barnett), Functional Structure Inference. International Symposia in Economic Theory and Econometrics (ISETE). Amsterdam: Elsevier (2007).

## Journals

- 1. Co-editor (with John Elder), special issue on "Oil Price Shocks," *Macroeconomic Dynamics* 15 (Supplement 3), November 2011.
- 2. Co-editor (with James Heckman), special issue on "Internally Consistent Modeling, Aggregation, Inference and Policy," *Journal of Econometrics* Volume 183, Issue 1 (2014).
- 3. Co-editor (with James Heckman), special issue on "Econometrics with Theory: A Special Issue Honoring William A. Barnett," *Econometric Reviews* Volume 34, Issues 1-2, 2015.
- 4. Editor, special issue on "Complexity in Economic Systems," *Macroeconomic Dynamics*, forthcoming (2015).
- 5. Co-editor (with Matteo Manera), special issue on "Dynamics of Oil and Commodities Prices," *Macro-economic Dynamics*, forthcoming (2016).

#### **PUBLICATIONS:**

#### Books

- 1. Macroeconomic Policy in the Canadian Economy, with Panos Afxentiou. Kluwer, 2002.
- 2. Interfuel Substitution. World Scientific, 2012.
- 3. Oil Price Uncertainty. World Scientific, 2012.

#### Textbooks

- 1. The Demand for Money: Theoretical and Empirical Approaches. This book has a Foreword by David Laidler.
  - 1st Edition, Kluwer, 2001
  - 2nd Edition, Springer, 2007
- 2. Financial Markets and Institutions, with Frederic S. Mishkin and Stanley G. Eakins.
  - 1st Canadian Edition, Pearson: Toronto, 2004
- 3. The Economics of Money, Banking, and Financial Markets, with Frederic S. Mishkin.
  - 1st Canadian Edition, Pearson: Toronto, 2002
  - 2nd Canadian Edition, Pearson: Toronto, 2005
  - 3rd Canadian Edition, Pearson: Toronto, 2008
  - 4th Canadian Edition, Pearson: Toronto, 2011
  - 5th Canadian Edition, Pearson: Toronto, 2014
  - 6th Canadian Edition, Pearson: Toronto, 2016

- 4. Instructors Manual for the Economics of Money, Banking, and Financial Markets, with Frederic S. Mishkin.
  - 1st Canadian Edition, Pearson: Toronto, 2002
  - 2nd Canadian Edition, Pearson: Toronto, 2005
  - 3rd Canadian Edition, Pearson: Toronto, 2008
  - 4th Canadian Edition, Pearson: Toronto, 2011
  - 5th Canadian Edition, Pearson: Toronto, 2014
  - 6th Canadian Edition, Pearson: Toronto, 2016
- 5. Macroeconomics: A Modern Approach, with Robert J. Barro.
  - 1st Canadian Edition, Nelson: Toronto, 2010
- 6. Instructors Manual for Macroeconomics: A Modern Approach, with Robert J. Barro.
  - 1st Canadian Edition, Nelson: Toronto, 2010
- 7. Principles of Economics, with R. Glenn Hubbard, Anthony Patrick O'Brien, and Jason Childs.
  - 1st Canadian Edition, Pearson: Toronto, 2015
  - 2nd Canadian Edition, Pearson: Toronto, 2018
- 8. Instructors Manual for Principles of Economics, with R. Glenn Hubbard, Anthony Patrick O'Brien, and Jason Childs.
  - 1st Canadian Edition, Pearson: Toronto, 2015
  - 2nd Canadian Edition, Pearson: Toronto, 2018

## Articles

## 1986

1. "Divisia Aggregation and Substitutability Among Monetary Assets," with A. Leslie Robb. *Journal of Money, Credit and Banking* 18 (1986), 430-446.

## 1987

- 2. "The Demand for Divisia M1, M2, and M3 in the United States." Journal of Macroeconomics 9 (1987), 567-591.
- 3. "On the Demand for Money in the United States." Empirical Economics 12 (1987), 249-255.
- 4. "Monetary Asset Separability Tests." In William A. Barnett and Kenneth Singleton (eds.), New Approaches to Monetary Economics (1987), pp. 169-182. Cambridge: Cambridge University Press.

#### 1988

5. "New Tests of the Theory of Optimal Seigniorage." Economics Letters 27 (1988), 361-365.

- 6. "The Empirical Relationship between Money, Prices and Income Revisited." *Journal of Business and Economic Statistics* 6 (1988), 351-358.
- 7. "Translog Flexible Functional Forms and Substitutability of Monetary Assets." *Journal of Business and Economic Statistics* 6 (1988), 59-67.
- 8. "A Financial Theory of the Financial Firm," with Subal Kumbhakar." Journal of Quantitative Economics 4 (1988), 201-212.
- 9. "The Low-Frequency Relationship between Money, Prices, and Income," with Frank J. Atkins. *Applied Economics* 20 (1988), 877-887.

- 10. "Velocity and the Growth of Money in the United States: 1970-1985," with Douglas Fisher. *Journal of Macroeconomics* 11 (1989), 323-332.
- 11. "Long Term Trends in Canadian Economic Development," with Panos C. Afxentiou. *Economic Notes* (1989), 362-375.
- 12. "Money and the Economy." In 9th World Congress of the International Economic Association: Congress Proceedings (1989) Vol. 2, pp. 261-280. The Athens Graduate School of Economics and Business Science, Athens Greece.

#### 1990

- "A Dispersion-Dependency Diagnostic Test for Aggregation Error: With Applications to Monetary Economics and Income Distribution," with William A. Barnett. Journal of Econometrics 43 (1990), 5-34. Reprinted in William A. Barnett and Apostolos Serletis (eds.), The Theory of Monetary Aggregation (2000), pp.167-194. Amsterdam: North-Holland.
- "Market Efficiency and Cointegration: An Application to Petroleum Markets," with David Banack. The Review of Futures Markets 9 (1990), 372-380.
- "KLEM Substitutability: A Dynamic Flexible Demand System," with Subal Kumbhakar. Applied Economics 22 (1990), 275-283.
- "Velocity Effects of Anticipated and Unanticipated Money Growth and its Variability." Applied Economics 22 (1990), 775-783.

- 17. "The Demand for Divisia Money in the United States: A Dynamic Flexible Demand System." Journal of Money, Credit and Banking 23 (1991), 35-52.
- 18. "Modeling the Demand for Consumption Goods and Liquid Assets." *Journal of Macroeconomics* 13 (1991), 435-457.
- 19. "Rational Expectations, Risk and Efficiency in Energy Futures Markets." *Energy Economics* 13 (1991), 111-115.
- 20. "Informational Efficiency of Commodity Futures Prices," with David Scowcroft. Applied Financial Economics 1 (1991), 185-192.
- 21. "A Time Series Analysis of the Relationship Between Government Expenditure and GDP in Canada," with Panos C. Afxentiou. *Public Finance Quarterly* 19 (1991), 316-333.
- 22. "Exports and GNP Causality in the Industrial Countries: 1950-1985," with Panos C. Afxentiou. *Kyklos* 44 (1991), 167-179.

- 23. "Exports in the Canadian Economic Development: 1926-1983," with Panos C. Afxentiou. *Economic Notes* 20 (1991), 354-366.
- 24. "International Evidence on Income and Government Expenditure Causality: A Test of Development Economics," with Panos C. Afxentiou. *KEIO Economic Studies* 28 (1991), 29-42.
- 25. "The Post-War Aggregate Production Function in Canada: 1946-1988," with Panos C. Afxentiou. *Economia Internazionale* 44 (1991), 168-175.

- 26. "Consumer Theory and the Demand for Money," with William A. Barnett and Douglas Fisher. *Journal of Economic Literature* 30 (1992), 2086-2119. Reprinted in William A. Barnett and Apostolos Serletis (eds.), *The Theory of Monetary Aggregation* (2000), pp. 389-427. Amsterdam: North-Holland.
- 27. "The Random Walk in Canadian Output." Canadian Journal of Economics 25 (1992), 392-406.
- 28. "Export Growth and Canadian Economic Development." Journal of Development Economics 38 (1992), 133-145.
- 29. "Output Trends in EC Countries and the Implications for Transition to Monetary Union," with Thomas Krichel. *Economics Letters* 40 (1992), 211-216.
- 30. "Maturity Effects in Energy Futures." Energy Economics 14 (1992), 150-157.
- 31. "Unit Root Behavior in Energy Futures Prices." The Energy Journal 13 (1992), 119-128.
- 32. "Canadian Economic Growth: 1870 1985," with Panos C. Afxentiou. Greek Economic Review 14 (1992), 251-264.
- 33. "Openess in the Canadian Economy: 1870 1988," with Panos C. Afxentiou. Applied Economics 24 (1992), 1191-1198.
- 34. "Modeling the Relationship Between Output and Government Expenditures in Canada," with Panos C. Afxentiou. *KEIO Economic Studies* 29 (1992), 17-43.
- 35. "Commentary." In *Monetary Seminar* [a seminar sponsored by the Bank of Canada, May 7-9, 1990] 1990, pp. 115-118. Bank of Canada.

## 1993

- 36. "The Role of Money in Canada," with Martin King. Journal of Macroeconomics 15 (1993), 91-107.
- 37. "Money and Stock Prices in the United States." Applied Financial Economics 3 (1993), 51-54.
- 38. "International Capital Mobility and the Long Run Investment and Saving in Canada," with Panos C. Afxentiou. *Economia Internazionale* 46 (1993), 147-167.

- 39. "Testing the Long-Run Implications of the Neoclassical Growth Model for Canada." *Journal of Macroeconomics* 16 (1994), 329-346.
- 40. "Maximum Likelihood Cointegration Tests of Purchasing Power Parity: Evidence from Seventeen OECD Countries." Weltwirtschaftliches Archiv 130 (1994), 476-493.
- 41. "A Cointegration Analysis of Petroleum Futures Prices." Energy Economics 16 (1994), 93-97.
- 42. "Business Cycles and the Behavior of Energy Prices," with Vaughn Hulleman. *The Energy Journal* 15 (1994), 125-134.

- 43. "International Evidence on Breaking Trend Functions in Macroeconomic Variables." Applied Economics 26 (1994), 175-179.
- 44. "Common Stochastic Trends in a System of East European Black-Market Exchange Rates." Applied Financial Economics 4 (1994), 23-31.
- 45. "Breaking Trend Functions in the Velocity of Money: Evidence from the United States and Canada." North American Journal of Economics and Finance 5 (1994), 201-208.
- 46. "Deterministic Trends and Money-Output Causality," with Martin King. Applied Financial Economics 4 (1994), 143-147.
- 47. "Economic and Monetary Union in Europe: Progress and Prospects." In Gretchen M. MacMillan (ed.), *The European Community, Canada and 1992* (1994), pp. 77-90. The Faculty of Social Sciences, University of Calgary.

- 48. "Random Walks, Breaking Trend Functions, and the Chaotic Structure of the Velocity of Money." Journal of Business and Economic Statistics 13 (1995), 453-458.
- 49. "The Impact of International Indebtedness on the Import-Export Sectors of Developing Countries," with Panos C. Afxentiou. *International Economic Journal* 9 (1995), 73-87.
- 50. "International Evidence on the Long-Run Implications of the Neoclassical Growth Model," with Thomas Krichel. Applied Economics 27 (1995), 205-210.

- 51. "International Evidence on the Cyclical Behavior of Inflation." Economics Letters 51 (1996), 205-212.
- 52. "Empirical Evidence on the Long-Run Neutrality Hypothesis Using Low-Frequency International Data," with David Krause. *Economics Letters* 50 (1996), 323-327.
- 53. "Government Activities and Tests of the Long-Run Implications of the Neoclassical Growth Model for Canada." Canadian Journal of Economics 29 (1996), 635-642.
- 54. "Is There Chaos in Economic Time Series?" Canadian Journal of Economics 29 (1996), S210-S212.
- 55. "Permanent and Temporary Components of Canadian Stock Prices," with Murray Sondergard. Applied Financial Economics 6 (1996), 259-269.
- 56. "Testing for Deterministic Nonlinear Dependence in the Australian Dollar-U.S. Dollar Exchange Rate Series," with Paul Dormaar. Applied Economics Letters 3 (1996), 267-269.
- 57. "Nominal Stylized Facts of U.S. Business Cycles," with David Krause. The Federal Reserve Bank of St. Louis *Review* 78 (1996), 49-54.
- 58. "The Sensitivity of Empirical Studies to Alternative Measures of the Monetary Base and Reserves," with Michael Dueker. The Federal Reserve Bank of St. Louis *Review* 78 (1996), 51-69.
- 59. "Some Evidence on the Neutrality of Money in Canada: A Comparison between Simple Sum and Divisia Money Measures," with James R.C. Brown. *International Review of Comparative Public Policy* 8 (1996), 179-197.
- 60. "Foreign Indebtedness in Low- and Middle-Income Countries," with Panos C. Afxentiou. Social and Economic Studies 45 (1996), 133-159.

- 61. "Growth and Foreign Indebtedness in Developing Countries: An Empirical Study Using Long-Term Cross-Country Data," with Panos C. Afxentiou. The Journal of Developing Areas 31 (1996), 25-40.
- 62. "Government Expenditures in the European Union: Do They Converge or Follow Wagner's Law?," with Panos C. Afxentiou. *International Economic Journal* 3 (1996), 33-47.
- 63. "The GNP-Indebtedness Relationship in Developing Countries," with Panos C. Afxentiou. Rivista Internazionale di Scienze Economiche e Commerciali 43 (1996), 175-190.
- 64. "Chaos and Nonlinear Dynamics in Futures Markets," with Paul Dormaar. In William A. Barnett, Alan P. Kirman, and Mark Salmon (eds.), Nonlinear Dynamics and Economics (1996), pp. 113-132. Cambridge: Cambridge University Press.
- 65. "Money Aspects of North American Economies," with David Krause. In Christos C. Paraskevopoulos, Ricardo Grinspun, and George E. Eaton (eds.), *Economic Integration in the Americas* (1996), pp. 34-39. Aldershot, U.K.: Edward Elgar.
- 66. "Convergence Issues in the Emerging European Economic and Monetary Union," with Panos C. Afxentiou. In Christos C. Paraskevopoulos, Ricardo Grinspun, and Theodore Georgakopoulos (eds.), Economic Integration and Public Policy in the European Union (1996), pp. 79-89. Aldershot, U.K.:Edward Elgar.

- 67. "Resolving the Liquidity Puzzle," with Victor Chwee. Macroeconomic Dynamics 1 (1997), 720-739.
- 68. "Breaking Trend Functions in Real Exchange Rates: Evidence From Seventeen OECD Countries," with Grigorios Zimonopoulos. *Journal of Macroeconomics* 19 (1997), 781-802.
- 69. "Is There an East-West Split in North-American Natural Gas Markets?" The Energy Journal 18 (1997), 47-62.
- 70. "Common Stochastic Trends and Convergence in EU Stock Markets," with Martin King. The Manchester School (1997), 44-57.
- 71. "Convergence and Labour Mobility in the European Union," with Panos C. Afxentiou. *Economic Notes* 26 (1997), 11-34.
- 72. "Chaos in East European Black Market Exchange Rates," with Periklis Gogas. Research in Economics 51 (1997), 359-385.
- 73. "Policy Implications of Canadian Budget Deficits," with Panos C. Afxentiou. Rivista Internazionale di Scienze Economiche e Commerciali 44 (1997), 75-96.
- 74. "Index Numbers." In David Glasner (ed.), Business Cycles and Depressions: An Encyclopedia (1997), pp. 323-325. New York: Garland Publishing.

- 75. "The Cyclical Behavior of Monthly NYMEX Energy Prices," with Todd Kemp. *Energy Economics* 20 (1998), 265-271.
- 76. "International Evidence on the Neutrality of Money," with Zisimos Koustas. *Journal of Money, Credit and Banking* 30 (1998), 1-25.
- 77. "Electoral and Partisan Cycle Regularities in Canada," with Panos C. Afxentiou. Canadian Journal of Economics 31 (1998), 28-46. Reprinted in Panos Afxentiou and Apostolos Serletis, Macroeconomic Policy in the Canadian Economy (2002), pp. 157-176. Boston; Dordrecht and London: Kluwer Academic.

- 78. "Convergence Across Canadian Provinces," with Panos C. Afxentiou. Canadian Journal of Regional Science 21 (1998), 111-126.
- 79. "Electoral and Partisan Cycle Regularities: A Cointegration Test," with Andreas Andrikopoulos and Kyprianos Prodromidis. *Journal of Policy Modeling* 20 (1998), 119-140.
- 80. "Monetary Aggregation, Rational Expectations, and the Demand for Money in the United States," with Douglas Fisher and Adrian Fleissig. North American Journal of Economics and Finance 9 (1998), 1-13.

- 81. "On the Fisher Effect," with Zisimos Koustas. Journal of Monetary Economics 44 (1999), 105-130.
- 82. "On the Gibson Paradox," with George Zestos. Review of International Economics 7 (1999), 117-125.
- "The Message in North American Energy Prices," with John Herbert. Energy Economics 21 (1999), 471-483.
- 84. "The North American Natural Gas Liquids Markets are Chaotic," with Periklis Gogas. *The Energy Journal* 20 (1999), 83-103.
- 85. "International Evidence on the Tax- and Revenue-Smoothing Hypotheses," with Richard Schorn. Oxford Economic Papers 51 (1999), 387-396.
- 86. "Testing for Government Spending Convergence Across Canadian Provinces," with Panos C. Afxentiou. *Public Finance Review* 27 (1999), 434-456.
- 87. "The Foreign Indebtedness of Moderately and Severely-Indebted Developing Countries," with Panos C. Afxentiou. The South African Journal of Economics 67 (1999), 95-110.

#### 2000

- 88. "Martingales, Nonlinearity, and Chaos," with William A. Barnett. Journal of Economic Dynamics and Control 24 (2000), 703-724.
- 89. "Chaotic Analysis of U.S. Money and Velocity Measures," with Ioannis Andreadis. *International Journal of Systems Science* 31 (2000), 161-169.
- 90. "Purchasing Power Parity, Nonlinearity, and Chaos," with Periklis Gogas. Applied Financial Economics 10 (2000), 615-622.
- 91. "Output Growth and the Variability of Exports and Imports Growth: International Evidence from Granger Causality Tests," with Panos C. Afxentiou. The Developing Economies 38 (2000), 141-163.
- 92. "Redistribution and Stabilization Functions of the Canadian Federal Government," with Panos C. Afxentiou. Rivista Internazionale di Scienze Economiche e Commerciali 47 (2000), 129-144.
- 93. "The Maastricht Criteria: Convergence and Economic Benefits," with Panos C. Afxentiou. Rivista Internazionale di Scienze Economiche e Commerciali 47 (2000), 513-52.
- 94. "Monetary Aggregation and Monetary Policy," with Terence E. Molik [invited paper]. In *Money, Monetary Policy and Transmission Mechanisms* (2000), pp. 103-135. Bank of Canada. Reprinted in Panos Afxentiou and Apostolos Serletis, *Macroeconomic Policy in the Canadian Economy* (2002), pp. 117-142. Boston; Dordrecht and London: Kluwer Academic.

- 95. "An Empirical Comparison of Flexible Demand System Functional Forms," with Douglas Fisher and Adrian Fleissig. *Journal of Applied Econometrics* 16 (2001), 59-80.
- 96. "Monetary Aggregation and the Neutrality of Money," with Zisimos Koustas. *Economic Inquiry* 39 (2001), 124-138.
- 97. "On Stochasticity and Turbulence in the Federal Funds Market," with Ioannis Andreadis. *International Journal of Systems Science* 32 (2001), 43-52.
- 98. "Oil Shocks in the NAFTA Countries," with Christopher Jacyk. In Christos C. Paraskevopoulos, Theodore Georgakopoulos, and Leo Michelis (eds.). The Asymmetric Global Economy: Growth Investment, and Public Policy (2001). Toronto: APF Press.
- 99. "The Cyclical Behavior of Money and Prices: Evidence from the OECD," with George Zestos. Southwestern Economic Proceedings 28 (2001), 107-111.
- 100. "Structural Characteristics of the Maastricht Covergence Criteria," with Panos C. Afxentiou. *Economia Internazionale* 54 (2001), 283-298.

- 101. "Evidence of a Random Multifractal Turbulent Structure in the Dow Jones Industrial Average," with Ioannis Andreadis. Chaos, Solitons & Fractals 13 (2002), 1309-1315.
- 102. "Bounds Tests of the Theory of Purchasing Power Parity," with Patrick Coe. *Journal of Banking and Finance* 26 (2002), 179-199.
- 103. "Semi-Nonparametric Estimates of Substitution for Canadian Monetary Assets," with Adrian R. Fleissig. Canadian Journal of Economics 35 (2002), 78-91.
- 104. "Modeling the Maastricht Criteria," with Panos C. Afxentiou and George Zestos. In Andreas A. Kintis, Peter E. Koveos, Christos C. Paraskevopoulos, and Nicholas C. Baltas (eds.), Money and Finance in the Global Economy: Challenges and Opportunities for the 21st Century (2002), pp. 70-86. Toronto: APF Press.
- 105. "Canadian Monetary Policy Shocks," with Zisimos Koustas. In Andreas A. Kintis, Peter E. Koveos, Christos C. Paraskevopoulos, and Nicholas C. Baltas (eds.), Money and Finance in the Global Economy: Challenges and Opportunities for the 21st Century (2002), pp. 153-166. Toronto: APF Press.

## 2003

- 106. "No Evidence of Chaos But Some Evidence of Dependence in the U.S. Stock Market," with Mototsugu Shintani. Chaos, Solitons & Fractals 17 (2003), 449-454.
- 107. "Bounds Tests of the Gibson Paradox and the Fisher Effect: Evidence from Low-Frequency International Data," with Frank J. Atkins. *The Manchester School* 71 (2003), 673-679.
- 108. "Long-Run Phillips-Type Trade-offs in European Union Countries," with Zisimos Koustas. Economic Modelling 20 (2003), 679-701.
- 109. "Political and Economic Dimensions of the European Union Expansion," with Panos Afxentiou and Kazem Yavari. *Economia Internazionale* 56 (2003), 383-396.

## 2004

110. "The Welfare Cost of Inflation in Canada and the United States," with Kazem Yavari. *Economics Letters* 84 (2004), 199-204.

- 111. "Random Fractal Structures in North American Energy Markets," with Ioannis Andreadis. Energy Economics 26 (2004), 389-399.
- 112. "Testing for Common Features in North American Energy Markets," with Ricardo Rangel-Ruiz. Energy Economics 26 (2004), 401-414.
- 113. "Long-Horizon Regression Tests of the Theory of Purchasing Power Parity," with Periklis Gogas. Journal of Banking and Finance 28 (2004), 1961-1985.
- 114. "Absence of Chaos and 1/f Spectra, But Evidence of TAR Nonlinearities, in the Canadian Exchange Rate," with Asghar Shahmoradi. *Macroeconomic Dynamics* 8 (2004), 543-551.
- 115. "External and Domestic Growth Forces in the Performance of European Union Economies," with Panos Afxentiou and Kazem Yavari. *Economia Internazionale*, 57 (2004), 41-57.
- 116. "Nonlinear Time Series Analysis of Alberta's Deregulated Electricity Market," with Ioannis Andreadis. In Derek W. Bunn (ed.), *Modeling Prices in Competitive Electricity Markets* (Wiley Series in Financial Economics) 2004, pp. 147-159.

- 117. "Microeconometrics and Measurement Matters: Some Results from Monetary Economics for Canada," with Ricardo Rangel-Ruiz. *Journal of Macroeconomics* 27 (2005), 307-330.
- 118. "Rational Bubbles or Persistent Deviations from Market Fundamentals?" with Zisimos Koustas. *Journal of Banking and Finance* 29 (2005), 2523-2539.
- 119. "Semi-Nonparametric Estimates of the Demand for Money in the United States," with Asghar Shahmoradi. *Macroeconomic Dynamics* 9 (2005), 542-559.
- 120. "Business Cycles and Natural Gas Prices," with Asghar Shahmoradi. OPEC Review (2005), 75-84.
- 121. "Long Swings in the Canadian Dollar," with Karl Pinno. Applied Financial Economics 15 (2005), 73-76.
- 122. "The Welfare Cost of Inflation in Italy," with Kazem Yavari. Applied Economics Letters 12 (2005), 165-168.
- 123. "Revenue Smoothing in an ARIMA Framework: Evidence from the United States," with Periklis Gogas. In Claude Diebolt and Catherine Kyrtsou (eds.), New Trends in Macroeconomics, Springer (2005), pp. 79-88.

- 124. "Velocity and the Variability of Money Growth: Evidence from a VARMA, GARCH-M Model," with Akbar Shahmoradi. *Macroeconomic Dynamics* 10 (2006), 652-666.
- 125. "Comment on 'Singularity Bifurcations,' by Yijun He and William A. Barnett," with Asghar Shahmoradi. *Journal of Macroeconomics* 28 (2006), 23-26.
- 126. "Chaotic Monetary Dynamics with Confidence," with Mototsugu Shintani. *Journal of Macroeconomics* 28 (2006), 228-252.
- 127. "Univariate Tests for Nonlinear Structure," with Catherine Kyrtsou. *Journal of Macroeconomics* 28 (2006), 154-168.
- 128. "Nonlinear and Complex Dynamics in Real Systems," with William A. Barnett and Demitre Serletis. *International Journal of Nonlinear Sciences and Numerical Simulation* 7 (2006), 191-196.

- 129. "Randomly Modulated Periodic Signals in Alberta's Electricity Market," with Melvin J. Hinich. Studies in Nonlinear Dynamics and Econometrics 10(3) (2006), Article 5.
- 130. "Measuring and Testing Natural Gas and Electricity Markets Volatility: Evidence from Alberta's Deregulated Markets," with Akbar Shahmoradi. Studies in Nonlinear Dynamics and Econometrics 10(3) (2006), Article 10.
- 131. "Monetary Aggregation, Inflation, and Welfare," with Jagat Jit Virk. Applied Financial Economics 16 (2006), 499-512.
- 132. "Futures Trading and the Storage of North American Natural Gas," with Asghar Shahmoradi. *OPEC Review* (2006), 19-26.
- 133. "Corporate Financing in Canada," with Karl Pinno. Journal of Economic Asymmetries 3 (2006), 1-20.
- 134. "Returns and Volatility in the NYMEX Henry Hub Natural Gas Futures Market," with Asghar Shahmoradi. *OPEC Review* 30 (2006), 171-186.
- 135. "Cross-Country Evidence on the Demand for Money," with Jason Vaccaro. *Economia Internazionale* 59 (2006), 199-224.
- 136. "Panel Data Evidence on the Demand for Money," with Jason Vaccaro. *Economia Internazionale* 59 (2006), 525-549.
- 137. "Productivity Trends in the United States: Evidence from a Normalized Quadratic Variable Profit Function," with Guohua Feng. *Journal of Economic Studies* 33 (2006), 320-335.

- 138. "Episodic Nonlinear Event Detection in the Canadian Exchange Rate," with Melvin J. Hinich. *Journal of the American Statistical Association* 102 (2007), 68-74.
- 139. "Flexible Functional Forms, Curvature Conditions, and the Demand for Assets," with Asghar Shahmoradi. *Macroeconomic Dynamics* 11 (2007), 455-486.
- 140. "A Note on Imposing Local Curvature in Generalized Leontief Models," with Asghar Shahmoradi. Macroeconomic Dynamics 11 (2007), 290-294.
- 141. "Detecting Signatures of Stochastic Self-Organization in US Money and Velocity Measures," with Olga Y. Uritskaya. *Physica A* 385 (2007), 281-291.
- 142. "Informational Efficiency and Interchange Transactions in Alberta's Electricity Market," with Mattia Bianchi. *The Energy Journal* 28 (2007), 121-143.
- 143. "Episodic Nonlinearity and Nonstationarity in Alberta's Power and Natural Gas Markets," with Daniel Czamanski, Paul Dormaar, and Melvin J. Hinich. Energy Economics 29 (2007), 94-104.
- 144. "The Hurst Exponent in Energy Futures Prices," with Aryeh Rosenberg. *Physica A* 380 (2007), 325-332.
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