



ALFREDO MARVÃO PEREIRA

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Personal and Contact Information

Personal: Date of Birth: March 24, 1956
Marital Status: Married, five children, ten grandchildren.
Citizenship: United States of America and Portugal

Business Address: 356 Chancellor Hall,
Department of Economics
William & Mary
Williamsburg, VA 23187-8795
e-mail: ampere@wm.edu

Home Address: 308 Eglantine Circle
Richmond, VA 23238
Cell: (804) 878 4798
e-mail: pereira770@aol.com, pereiraalfredomarvao@gmail.com

Education, Academic, and Professional Experience

Education: Ph.D. in Economics Stanford University, 1988
M.A. in Economics Stanford University, 1986
Licenciatura, Economics Technical University of Lisbon, 1978
Bacharelato, Economics Technical University of Lisbon, 1976

Foreign Languages: French – fluent; Hebrew – intermediate; Portuguese - native speaker; Spanish – fluent.

Research Interests: Primary fields: Economics of the Public Sector, Energy and Environment
Secondary fields: Development Economics and Urban Economics.

Academic Experience - current:

Thomas Arthur Vaughn Jr. Professor of Economics,
William & Mary, Sept 2001-present.

Academic Experience - previous:

Professor, Department of Economics,	William & Mary, Aug 1995-Aug 2001.
Assistant Professor, Department of Economics,	UC San Diego, July 1987-Aug 1995.
Assistant Professor, Department of Economics,	New University of Lisbon, Sept 1987-Aug 1991.
Instructor, Department of Economics,	Stanford University, Sept 1985-July 1987.
Lecturer, Department of Economics,	New University of Lisbon, Sept 1981-Aug 1987.

Academic Experience - other:

Fellow Member	Business Research Unit (BRU-IUL) of ISCTE- Instituto Universitário de Lisboa, Lisbon, Portugal, 2015-2017.
Head of Evaluation Unit	Portuguese Commission for Environmental Fiscal Reform, April - September 2014
Visiting Scholar,	Robert R. Merhige Center for Environment Studies, Law School, University of Richmond, Nov. 2010 – May 2011
Head of Research,	Center for Advanced Studies in Economics and Econometrics, Universidade do Algarve, Portugal, Sept 2008-Jan 2011.

Professional Experience - Public Policy Advising and Sponsored Research:

Ministry of the Environment and Climate Action, Portugal: Jan 2021 – Dec 2022
EDP – Electricidade de Portugal: March 2018 – Dec 2018.
Ministry of the Economy, Portugal: Jan – Dec 2018.
EDP – Electricidade de Portugal: Oct 2016 – August 2017.
Fundação Francisco Manuel dos Santos, Portugal: Jun 2011 – March 2016.
Portuguese-American Development Foundation: Jan 2001- Aug 2007; Mar 2011 - Jan 2016.
Portuguese Commission for Environmental Fiscal Reform: May – Sept 2014
Deloitte – Canada: July – Sept 2013.
Portuguese National Science Foundation Research Grant: Sept 2008 – May 2011.
Estradas de Portugal: May 09 - Dec 09.
Rave – Portuguese High Speed Train Network: Sept 2007 – Feb 2008.
Brisa, Portuguese Freeways: March 2007- March 2008.
Refer, Portuguese Railroads: Sept 2006 – March 2007.
Institute for Development Studies, Portugal: March 2005-June 2006.
Ministry of Finance, Portugal: Jan 1990-Dec 1993, Sept 1996-Dec 1997 and Jan 1999-Aug 2003.
European Central Bank: Mar-Dec 2001, Sept 2002-March 2003.
Ministry of Public Works, Transportation and Communication, Portugal: Jan 1999-Dec 2000.
Forum of Business Administrators, Portugal: Nov 1995-Dec 1996, Jan-Dec 1998.
Bank of Portugal: March 1995, Jan-Dec 1996, April-Sept 1997, Jun-Aug 1998.
Directorate General for Regional Development, Portugal: Jan-Dec 1996, Sept-Dec 1997.
Public Economics Division, World Bank: Sept-Dec 1994.
DG-XVI, DG-XXII, Commission of the European Communities: Jan 1991-Dec 1992, Dec 1993-Dec 1994.
Secretariat of State for Fiscal Affairs, Portugal: Jan 1989-Dec 1990.
Secretariat of State for Economic Development, Portugal: Sept 1989-April 1990.

Research Articles
Refereed Publications in Journals and Books

2023

128. “Energy Taxation Reform with an Environmental Focus” (with Rui Pereira)
Energies, forthcoming

2022

124. “On the Choice of the Regional Location of Infrastructure Investments in Portugal” (with Rui Pereira)
Journal of International Business and Economics, forthcoming.

125. “ARFIMA Reference Forecasts for Worldwide CO₂ Emissions and the National Dimension of the Policy Efforts to Meet IPCC Targets” (with J. M. Belbute).
Journal of Economic Development, forthcoming.

126. “On the Macroeconomic and Distributional Effects of the Regulated Closure of Coal-Operated Power Plants” (with Rui Pereira)
Journal of Economic Development, forthcoming,

127. “An Unhedgable Black-Scholes-Merton Implicit Option?”
(with Sean Tarter)
Risks Vol. 10(7) 134.

2021

118. “Regulated Early Closures of Coal-Fired Power Plants and Tougher Energy Taxation on Electricity Production: Synergy or Rivalry?” (with Rui Pereira).
Economic Globalization and Governance: Essays in Honor of Jorge Braga de Macedo, L. B. Pereira, M. E. Mata, and M. R. de Sousa (Eds.), Springer-Verlag, pp. 241-260.

119. “Picking Our Environmental Battles: Removal of Harmful Subsidies or Carbon Taxation?” (with Rui Pereira)
Journal of Economics and Public Finance, Vol 7 (2), pp. 1-11.

120. “Financing Future Feed-in Tariffs from Currently Installed RES-E Generating Capacity” (with Rui Pereira)
Archives of Business Research Vol 9(2), pp. 193-209.

121. “On the Spillover Effects of CO₂ Taxation on the Emissions of other Air Pollutants” (with Rui Pereira)
Journal of Economics and Public Finance, Vol 7 (3).

122. “On the Relationship between Consumption and CO₂ Emissions: Evidence for Portugal” (with J M Belbute)
Sustainability 13 (21), 12153.

123. “Infrastructure Investment and Employment: Evidence or Portugal” (with Rui Pereira and Pedro Rodrigues).
Journal of Infrastructure Policy and Development, Vol 5(2).

2020

112. “How Does Infrastructure Investment Affect Macroeconomic Performance? Evidence from Portugal,” (with Rui Pereira).
Journal of Infrastructure Development, Vol 11 (1-2), pp. 14-40.

113. “Infrastructure Investment, Labor Productivity and International Competitiveness: The Case of Portugal” (with Rui Pereira)
Journal of Economic Development, Vol 45(2), pp. 1-29.

114. “Infrastructure Investments in Portugal and the Traded/Non-Traded Industry Mix” (with Rui Pereira).
Journal of Infrastructure Policy and Development, Vol. 4(1), pp. 1-26.

115. “ARFIMA Reference Forecasts for Worldwide CO₂ Emissions and the Need for Large and Frontloaded Decarbonization Policies” (with J. M. Belbute).
Journal of Economics and Public Finance, Vol 6 (4), pp. 41-57.

116. “From Whom the Bells Toll: The Effects of Tolls on Uncrowded Roadways on Road Safety” (with Rui Pereira and J. P. Santos).

Journal of Infrastructure Policy and Development, Vol 4 (2), pp. 287-305.

117. "Reference Forecasts for CO₂ Emissions from Fossil-Fuel Combustion and Cement Production in Portugal" (with J. M. Belbute).

Energy Policy, Vol 144, 111642.

2019

106. "On the Effects of Infrastructure Investments on Industrial CO₂ Emissions," (with Rui Pereira)

Journal of Economics and Public Finance, Vol 5(1), pp.47-69

107. "Achieving the Triple Dividend in Portugal: A Dynamic General-Equilibrium Evaluation of a Carbon Tax Indexed to Emissions Trading," (with Rui Pereira)

Journal of Economic Policy Reform, 22:2, pp. 148-163.

108. "Financing a Renewable Energy Feed-in Tariff with a Tax on Carbon Dioxide Emissions: A Dynamic Multi-Sector General Equilibrium Analysis for Portugal" (with Rui Pereira).

Green Finance, 1(3) pp. 279-296.

109. "On the Effects of Infrastructure Investments on the Regional Economic Mix in Portugal" (with Rui Pereira).

Journal of Economics and Public Finance Vol 5(3), pp. 375-403.

110./ "Health Care Investments and Economic Performance in Portugal: An Industry Level Analysis. (with Rui Pereira and Pedro Rodrigues).

Journal of Economic Studies Vol 46(6), pp. 1174-1200.

111. "Strategy for a sustainable decarbonization of the energy sector in Portugal." In *"Sustaining resources for the future", Proceedings of the 25th International Sustainable Development Research Society Conference (ISDRS 2019)*, pp. 584-593. Nanjing, China. (with J. Melo, F. Fernandes, M. Sousa, A. Galvão, J. Grilo, and N. Domingues).

2018

102. "Updated Reference Forecasts for Global CO₂ Emissions from Fossil-Fuel Consumption" (with J. M. Belbute). In *Estudos de Homenagem a José Silva Lopes*, pp. 573-600. Almedina, Lisboa,

103. "Are all Infrastructure Investments Created Equal? The Case of Portugal," (with Rui Pereira).

Journal of Infrastructure Policy and Development, Vol 2(1), pp. 67-86.

104 "A Lower VAT Rate on Electricity in Portugal: Towards a Cleaner Environment, Better Economic Performance, and Less Inequality," (with Rui Pereira).

Energy Policy, 117 (C), pp. 1-13.

105. "On the Effects of Infrastructure Investment on Economic Performance in Ontario" (with Rui Pereira).

Journal of Infrastructure Policy and Development, Vol 2(2), pp. 286-300.

2017

95. "On the Relative Roles of Fossil Fuel Prices, Energy Efficiency, and Carbon Taxation in Reducing Carbon Dioxide Emission: The Case of Portugal" (with Rui Pereira).

Journal of Environmental Planning and Management, Vol 60 (10), pp. 1825-1852

96. "The Economic and Budgetary Impact of Climate Policy in Portugal: Carbon Taxation in a Dynamic General Equilibrium Model with Endogenous Public Sector Behavior," (with Rui Pereira)

Environmental and Resource Economics 67, pp. 231-257.

97. "On the Effects of an Increase in the VAT on Electricity in Portugal," (with Rui Pereira).

International Conference on Energy and Environment 2017 – Conference Proceedings, pp. 364-369.

98. "Identifying Priorities in Infrastructure Investment in Portugal," (with Rui Pereira).

Journal of Economics and Public Finance 3(3), pp. 367-392.

99. "Railroad Investments and Economic Development in the Antebellum United States" (with Will Hausman and Rui Pereira).

Journal of Economic Development 42(3), pp. 1-16.

100. "Carbon Taxation: Optimal Recycling Mix and Labor Market Conditions" (with Rui Pereira).

Journal of Economics and Public Finance 3(4), pp. 481-506.

101. "Do Global CO₂ Emissions from Fuel Consumption Exhibit Long Memory: A Fractional Integration Analysis" (with J. M. Belbute).

Applied Economics, 49, pp. 4055-4070.

2016

92. "A New Carbon Tax in Portugal: A Missed Opportunity to Achieve the Triple Dividend?" (with Rui Pereira and Pedro Rodrigues)

Energy Policy 93, pp. 110-118.

93. "Does final demand for energy in Portugal exhibit long memory? A fractional Integration analysis" (with J. M. Belbute).

Portuguese Economic Journal, 15(3), pp. 59-77.

94. "Estimating the Effects of Transit on Residential Property Values," (with Keith Klovers).

Journal of Economic and Development Studies, 4 (2), pp. 1-21.

2015

86. "On the Long Term Impact of a Fiscal Devaluation: An Application to the Portuguese Case," (with Rui Pereira and Pedro Rodrigues).

Chapter 6 in

Fiscal Policies: International Aspects, Short and Long Term Challenges, and Macroeconomic Effects Amo-Yartley (Ed.). Nova Publishers.

87. "On the Long-Term Macroeconomic Effects of Social Spending in the USA," (with Jorge Andraz)

Applied Economics Letters 22(2), pp. 132-136.

88. "Savings, Marriage, and Work-in-Household," (with Shoshana Grossbard)

Chapter 11 in *The Marriage Motive: A Price Theory of Marriage*, Shoshana Grossbard. Springer.

89. "Clean Energy Firms' Stock Prices, Technology, Oil Prices, and Carbon Prices," (with Mara Madaleno)
pp. 140-145 in

IEEE Conference Proceedings of 12th International Conference on the European Energy Market, IEEE Publishers.

90. "An Alternative Reference Scenario for Global CO₂ Emissions from Fuel Consumption: An ARFIMA Approach" (with J. M. Belbute).

Economics Letters 136, pp. 109-112.

91. "The Long-Term Macroeconomic Effects of Social Security: Evidence for 12 EU Countries," (with J. Andraz)
Journal of International Business and Economics 3(2), pp. 63-78.

2014

81. "Environmental Fiscal Reform and Fiscal Consolidation: The Quest for the Third Dividend in Portugal," (with R. Pereira)

Public Finance Review 42 (2), pp. 222-253.

82. "On the Role of a Fiscal Reform in a Sustainable Strategy of Fiscal Consolidation in Portugal" (with P. Rodrigues), (in Portuguese).

Book chapter in *Where is the Welfare State Going?* F. Ribeiro and N. Cabral (Eds.). Vida Económica Press.

83. "Final Energy Demand in Portugal: How Persistent it is Energy and Why it Matters," (with J. Belbute).

International Economic Journal 28, pp. 661-677.

84. "On the Environmental, Economic, and Budgetary Impacts of Fossil Fuel Prices: A Dynamic General Equilibrium Analysis of the Portuguese Case," (with R. Pereira).

Energy Economics 42, pp. 248-261.

85. "Integrated Technological-Economic Modeling Platform for Energy and Climate Policy Analysis," (with Patrícia Fortes, Rui Pereira and Júlia Seixas).

Energy – The International Journal 73, pp. 716-730.

2013

79. "Fossil Fuel Prices and the Economic and Budgetary Challenges of a Small Energy-Importing Economy: The Case of Portugal," (with R. Pereira).

Portuguese Economic Journal 12, pp. 181-214.

80. "On the economic effects of public infrastructure investment: a survey of the international evidence," (with Jorge Andraz).

Journal of Economic Development 38 (4) pp. 1-37.

2012

74. "On the Economic and Budgetary Effects of the SCUT – The Portuguese Toll-Free Highways," (with J. Andraz) *Annals of Regional Science* 48 (1), pp. 321 - 338.
75. "On the Regional Incidence of Highway Investments in the USA" (with J. Andraz). *Annals of Regional Science*, 48 (3), pp. 819-838.
76. "Social Security and Economics Performance in Portugal: After all is said and done how much has actually changed?" (with J. Andraz) *Portuguese Economic Journal*, 11 (2), pp.83-100.
Featured in the *Yale Economic Review* Winter of 2010, Vol. VI, Issue I, pp. 25-27.
77. "On the Effects of Highway Investment on the Regional Concentration of Economic Activity in the US," (with J. Andraz). *Portuguese Economic Journal* 11 (3), pp. 165-170.
78. "On the Economic Effects of Railroad Infrastructure Investment in Portugal," (with J Andraz) *Journal of Economic Development* 37 (2), pp. 79-107.

2011

71. "On the Effect of Fiscal Policies in Portugal," (with O. Roca) *Journal of Economic Studies* 38 (1), pp.114 - 127.
72. "Public Investment, Economic Performance, and Budgetary Consolidation: VAR Evidence for the 12 Euro Countries," (with F. Pinho) *Journal of Economic Development*, 36(1), pp. 1-20.
73. "On the Economic and Fiscal Effects of Investment in Road Infrastructure in Portugal," (with J. Andraz) *International Economics Journal* 25 (3), pp. 465-492

2010

67. "Public Deficits and Economic Performance," (with P. Rodrigues)
Book Chapter in *The Long-term Budget Challenge of the G-7 Nations: An International Perspective* J. Hollifield and D. Ippolito Eds, forthcoming.
68. "On the Potential Economic Costs of Cutting Carbon Dioxide Emissions in Portugal" (with Rui Pereira) *Portuguese Economic Journal* 9 (3), 2010, pp. 211-222.
69. "Is Fuel-Switching a No-Regrets Environmental Policy? VAR Evidence on Carbon Dioxide Emissions, Energy Consumption, and Economic Performance in Portugal," (with R. Pereira) *Energy Economics* 32, 2010, (pp. 227-242).
70. "Road Investment and Regional Development in Portugal: The Case of the Scut Highways," (with J. Andraz) .
Book chapter in *Emerging Challenges for Regional Development*. T. Dentinho and J. Viegas Eds. Editora Propicia, 2010 (pp 215-239).

2009

66. "Network Effects of Public Investment in Portugal and Regional Asymmetries," (with J. Andraz)
Book chapter in *Without Borders: the New Horizons of the Portuguese Economy*. P. Lains Ed. Imprensa de Ciencias Sociais. Nov. 2009 (pp. 229-264).

2008

63. "On the Impact of Fiscal Policies on Output: The cases of the UK, Holland, and Belgium," (with O. Roca) *Economic Studies of International Development* 8 (2), July-Dec 2008.
64. "Controlling the Public Wage Bill in Portugal: The case of University Professors," (with R. Pereira) *Applied Economics Letters* 13, 2008 (pp. 997-1000).
65. "Public Investment and Budgetary Consolidation in Portugal," (with F. Pinho). *Portuguese Economic Journal* 7 (3), 2008 (pp. 183-203).

2007

61. "Public Infrastructures and Regional Asymmetries in Spain," *Revue D'Economie Regionale et Urbaine* 2007 -3, 2007, (pp.503- 520). (with O. Roca)

62. "Public Investment in Transportation Infrastructure and Industry Performance in Portugal," *Journal of Economic Development* 32 (1), 2007, (pp. 1-20). (with J. Andraz)

2006

60. "Public Investment in Transportation Infrastructures and Regional Asymmetries in Portugal," *Annals of Regional Science* 40 (4), 2006, (pp. 803-817). (with J. Andraz)

2005

59. "Public Investment in Transportation Infrastructures and Economic Performance in Portugal," *Review of Development Economics* 9 (2), 2005, (pp.177-196). (with J. Andraz).

2004

56. "Strategies for Fiscal Reform in Portugal in the Context of the EMU,"

Review of Development Economics 8 (1), 2004, (pp. 143-165). (with P. Rodrigues).

57. "Public Highway Spending and State Spillovers in the US,"

Applied Economics Letters 11, 2004, pp, 785-88. (with J. Andraz).

58. "Macroeconomic Adjustment to Structural Change,"

Book Chapter in *Monetary Strategies for Joining the Euro*, G. Szaparyt and Jurgen von Hagen Eds. Edward Elgar Publishers, 2004. (pp. 168-217) (with V. Gaspar and G. Fagen).

2003

53. "On the Impact of public Investment on the Performance of US Industries,"

Public Finance Review, 31 (1), 2003, (pp. 66-90). (with J. Andraz).

54. "On the Effects of Private and Public R&D on Economic Performance in the US,"

Public Finance Review 31 (4), 2003 (pp. 429-451). (with B. Archibald).

55. "Spillover Effects of Public Capital Formation: Evidence from the Spanish Regions,"

Journal of Urban Economics 53 (2), 2003, (pp.238-256). (with O. Roca).

2002

49. "Housing and Long-term Endogenous Growth"

Journal of Urban Economics 51, 2002, (pp. 246-271). (with P. Brito).

50. "On the Impact of a Tax Shock in Portugal,"

Portuguese Economic Journal 1, 2002, (pp. 205-236). (with P. Rodrigues).

51. "Tax Reform in a Context of Budgetary Restraint: A Note on the Portuguese Case,"

Book Chapter in *The Impact of Fiscal Policy*, F. Balassone, D. Franco, and S. Momigliano Eds, Banca d'Italia, 2002. (pp. 471-484). (with P. Rodrigues).

52. "Public Investment in Transportation Infrastructures and Economic Development in Portugal,"

Book Chapter in *Portuguese Economic Development in the European Context: Determinants and Policies*, Economic Research Department, Bank of Portugal., 2002. (pp 85-126). (with J. Andraz).

2001

42. "Public Capital Formation and Private Investment: What Crowds In What?"

Public Finance Review 29 (1) 2001, (pp 3-25).

43. "International Evidence on Public investment and Private Sector Performance,"

Public Finance and Management 1 (2) 2001.

44. "Tax parameters in the Portuguese Economy: Part I - Indirect Taxes"

Quarterly Economic Bulletin - Bank of Portugal 7, No. 1 2001, (pp. 47-57). (with P. Rodrigues)

45. "Tax parameters in the Portuguese Economy: Part II - Direct Taxes"

Quarterly Economic Bulletin - Bank of Portugal 7, No. 2, 2001, (pp. 31-43). (with P. Rodrigues)

46. "Public Capital and Private Sector Performance in Spain: A Sectoral Analysis,"

Journal of Policy Modeling 23, 2001, (pp. 371-84). (with O. Roca).

47. "Ageing and Public Pensions in Portugal: A Snapshot before the Reform,"

Book Chapter in *Budgetary Challenges Posed by Aging Populations, European Economy - Reports and Studies*, 2001, No.4. (with P. Rodrigues)

48. "Labor Taxes and Long Term Economic Performance in Portugal"
Book Chapter in *How is the Portuguese Economy?* CISEP Eds, 2001.

2000

40. "Export Growth and Domestic Performance,"
Review of International Economics 8 (1), 2000 (pp. 60-73). (with Z. Xu).
41. "Is all Public Investment Created Equal?"
Review of Economics and Statistics 82 (3) 2000 (pp. 513-518).

1999

35. "International Transfers and Convergence in the European Union"
Public Finance Review 27 Vol 2, 1999 (pp. 194-219).
36. "Public Capital and Private Sector Performance in the US,"
Journal of Urban Economics 46, 1999 (pp. 300-322), (with R. Flores).
37. "Public Capital Formation and Regional Development in Spain,"
Review of Development Economics 3 (3), 1999 (pp. 281-294), (pp. 57-68),
38. "The Impact of the EURO on long term growth in Portugal"
Quarterly Economic Bulletin - Bank of Portugal, 5, No 2, 1999, (pp. 43-52),
39. "Intertemporal Analysis of Development Policies in the EU,"
Journal of Policy Modeling 21 (7), 1999, (pp. 799-822). (with V. Gaspar).

1998

31. "Testing Theories of Economic Fluctuations and Growth in Early Development,"
Review of International Economics, 6 (4), 1998 (pp. 638-648). (with R. Flores).
32. "Social Security and Economic Performance in Portugal".
Quarterly Economic Bulletin - Bank of Portugal, Vol. 4 No 2, 1998 (pp. 57-68).
33. "The Impact of Investment in Infrastructures on Output, Employment, and Investment in Spain,"
Spanish Economic Review, Vol 15 No 3, 1998 (pp. 403-432), (with O. Roca).
34. "EU Structural Transfers and Economic Performance in Portugal".
Public Finance 53 No. 1, 1998 (pp. 53-77).

1997

27. "Housing Wealth and the Economy's Adjustment to Unanticipated Shocks,"
Regional Science and Urban Economics, 27, 1997 (pp.497-514). (with J. Brueckner).
28. "Savings Behavior, Volume of Trade, and Growth,"
Review of International Economics, 5 (3), 1997 (pp. 310-323). (with T. Osang).
29. "Development Policies in the EU: An International Comparison,"
Review of Development Economics, 1(2), 1997 (pp. 217-233).
30. "Foreign Growth and Domestic Performance in a Small Open Economy,"
Journal of International Economics, 43, 1997 (pp. 499-512). (with T. Osang).

1996

23. "On the Budgetary and Efficiency Effects of Housing Taxation in the United States,"
Journal of Urban Economics 39, 1996 (pp. 68-86). (with Y. Nakagami).
24. "Import Tariffs and Growth in a Small Open Economy,"
Journal of Public Economics 60 (1), 1996 (pp. 45-71). (with T. Osang).
25. "The Debt Crisis: Lessons of the 1980s for the 1990s,"
Journal of Development Economics 50 (1), 1996 (pp 1-24). (with G. Kaminsky).
26. "Imported Capital Goods and Domestic Performance: Evidence for Greece and Portugal,"
Quarterly Economic Bulletin - Bank of Portugal. 2, No 4, 1996 (pp. 61-68).

1995

20. "Equal Yield Alternatives and Government Deficits,"
Public Finance Quarterly 23 (1), 1995 (pp. 40-71).

21. "The Impact of Financial Integration and Unilateral Public Transfers on Investment and Growth in EC Capital-Importing Countries,"

Journal of Development Economics 48 (1), 1995 (pp. 43-66). (with V. Gaspar).

22. "Inflation, Housing Taxation, and Homeowner Mobility,"

Public Finance 50, 1995 (pp. 442-69). (with Y. Nakagami).

1994

16. "Optimal Taxation of Foreign Investment Income with Heterogeneous Consumers,"
Public Finance Quarterly 22, 1994 (pp. 103-132). (with L. Wang).

17. "On the Effects of Investment Tax Credits on Economic Efficiency and Growth,"

Journal of Public Economics 53 (3), 1994 (pp. 437-462).

18. "Housing Ownership and the Business Cycle,"

Journal of Housing Economics 3 (3), 1994 (pp. 165-185). (with J. Brueckner)

19. "Capital Income Taxation and the International Location of Investment,"

Public Finance 49, 1994 (pp. 111-131). (with L. Wang).

1993

12. "Housing Costs and Bequest Motives,"

Journal of Urban Economics 33, 1993 (pp. 68-75). (with Y. Nakagami)

13. "A Dynamic General Equilibrium Analysis of Corporate Tax Integration,"

Journal of Policy Modeling 15, 1993 (pp. 63-89).

14. "Optimal Taxation of Foreign Investment Income with International Altruism,"

Public Finance 48, 1993 (pp. 288-296). (with L. Wang).

15. "Upgrading and the Macroeconomic Environment,"

Journal of Urban Economics 34, 1993 (pp. 1-23). (with Y. Nakagami)

1992

9. "Energy Demand in Portuguese Manufacturing: A Two Stage Model,"

Energy - The International Journal 17, 1992 (pp. 61-77). (with A. Borges) .

10. "The Trade-Off Between Emigration and Remittances in the Portuguese Economy."

Book Chapter in *The Portuguese Economy Towards 1992*, F. do Amaral, D. Lucena, and A. Mello, eds, Kluwer Academic Press, 1992 (pp. 175-198).

11. "Liberalization of Labor Force Movements in the EC and the Effects of Structural Funds."

Book Chapter in *EC Structural Funds - What Future?* Ministry of Planning eds, Portugal, 1992.

1991

5. "Housing Appreciation, Mortgage Interest Rates and Homeowner Mobility,"

Journal of Urban Economics 30, 1991 (pp. 271-292). (with Y. Nakagami)

6. "Boom and Bust and the Colonial Chesapeake Economy: Empirical Evidence for 1676-1713,"

Economic Letters 37, 1991 (pp. 235-242).

7. "The Efficiency Effects of Corporate Tax Integration and the Tax Reform Act of 1986,"

Public Finance 46 (3), 1991 (pp. 454-475).

8. "Implicit Taxation, Investment, and Development in Portugal,"

Book Chapter in *Portugal and the Transition for the Economic and Monetary Union*, Ministry of Finance eds., Portugal, 1991, (pp. 231-245). (with V. Gaspar)

Before 1991

1. "Neoclassical Growth with Emigration and Remittances: An Extension to Optimal Control,"

Economia VI, 1982 (pp. 209-233).

2. "Computation of the User's Costs of Capital in the Presence of Adjustment Costs,"

Economia X, 1986 (pp. 447-452).

3. "Survey of Dynamic Applied General Equilibrium Models for Tax Policy Evaluation,"

Journal of Policy Modeling 10, 1988 (pp. 401-436). (with J. Shoven)

4. "On the Existence and Uniqueness of Optimal Output Paths for CRTS Firms in Adjustment Costs Technologies,"
Economia XII, 1988 (pp. 97-101).
-

Other Research Articles

Papers under revision with resubmission requested by journal editors

.../...

Papers under submission for publication under first review

.../...

Working Papers - Work in Progress

1. "On the economic implementation of the best technological strategies for decarbonization," (with Rui Pereira).
2. "On the Effects of Social Spending on Economic Performance in the USA"
(with Rui Pereira and Celia Lu).
3. "Railroad Investment and Economic Performance in Portugal"
(with Rui Pereira and Pedro Rodrigues).
4. "On the Effects of Infrastructure Investment in Portugal: Revisited"
5. "Investment and Policy Uncertainty," (with Stanley Wang)
6. "Ideology, Political Cycles and Public-Private Partnerships in Brazil," (with Luisa Bertolucci)
7. "Arbitrage as a propulsive mechanism," (with Sean Tarter)
8. "Decarbonization in Portugal: Challenges and Opportunities," (with Rui Pereira)

Working Papers – Reference Work

1. "GAMS Implementation of Excel Interface for Soft Link between a CGE Model for Portugal to TIMES PT model," (with R. Pereira).
W&M Economics Department Working Paper No 125.
 2. "DGEP – A Dynamic General Equilibrium Model of the Portuguese Economy: Model Documentation,"
(with R. Pereira).
W&M Economics Department Working Paper No 127.
-

Publications – Books

9. *Infrastructure Investments in Portugal* (in Portuguese).
(with R. Pereira)
Fundação Francisco Manuel dos Santos, Portugal. 2016
8. *Pension Reform in Portugal: A General Equilibrium Analysis*
(with P. Rodrigues)
LAP - Lambert Academic Publishing. 2015.
7. *Public Investments in Portugal* (in Portuguese).
Fundação Francisco Manuel dos Santos, 2013
6. *Social Security Reform in Portugal* (in Portuguese).
(with P. Rodrigues)
Portuguese American Foundation. 2007.
5. *The Economic and Fiscal Impact of Toll-free Highways in Portugal* (in Portuguese).
(with J. Andraz)
Institute for Development Studies, 2006,
4. *Public Investment and Economic Performance in Portugal* (in Portuguese).
(with J. Andraz)

Portuguese American Foundation, 2004.

3. *Public Investment in Transportation Infrastructures in Portugal* (in Portuguese).

(with J. Andraz)

Ministry of Planning Press, Lisbon, 2001.

2. *Social Security Reform in Portugal: A General Equilibrium Evaluation* (in Portuguese)

Forum de Administradores de Empresas Pub, Lisbon, 1999.

1. *Strategies of Reform of the Welfare State - health care and social security* (in Portuguese).

(with Miguel Gouveia).

Forum de Administradores de Empresas Pub, Lisbon, 1997.

Other Recent Professional Activities – Research (Details available upon request)

Journal Editorial Board

Journal of Economics and Public Finance, Associate Editor

Journal of Economic Development

Journal of Infrastructure Policy and Development

Portuguese Economic Journal

Review of International Economics

Refereeing

Regular refereeing for a multitude of international journals – an average of 10-15 reports a month.

Research support

Regular participation in Economics Ph.D. and MSc. thesis as advisor and as member of the evaluation committee in international institutions. One ongoing supervision.

Research Presentations

Frequent seminar presentations on topics relating to infrastructure development and carbon policies – intense lecture and seminar schedule in particular during the summer months.

Other Recent Professional Activities – Policy Advising (Details available upon request)

Policy Advising

Frequent informal advising of several Portuguese Government Offices – Finance, Economics, Environment.

Main technical advisor for the adoption of a carbon tax in Portugal in 2015.

Policy Presentations

Frequent presentation to policy makers and other stakeholders on matters of infrastructure investments and carbon policies.

Media

Regular contributor to Portuguese general and business newspapers – Publico, Jornal de Negocios.

Frequent interviews with Portuguese business magazines.

Frequent interviews and participation in Portuguese television programs

Current International Ranking In the RePEc World Rankings of Economists

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