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PERSONAL DETAILS

Nationality: Portuguese.

Marital status: Married, 3 children.

Languages: Portuguese (native), English (fluent), Spanish (fluent), French (understanding).

EDUCATION

Habilitation (Agregação), Universidade Nova de Lisboa, 2014.

Ph.D. in Economics, University of Illinois at Urbana-Champaign, 1994.

M.Sc. in Economics, University of Illinois at Urbana-Champaign, 1991.

B.Sc. (Licenciatura) in Economics, Universidade Nova de Lisboa, 1987.

EMPLOYMENT

Full Professor (*Catedrático*), Nova School of Business and Economics (Nova SBE) - Universidade Nova de Lisboa, since 2015.

Associate Professor (*Associado*), Nova SBE - Universidade Nova de Lisboa, 2004-2015.

Assistant Professor (*Auxiliar*), Nova SBE - Universidade Nova de Lisboa, 1994-2003.

Invited Assistant Professor, Institute of Statistics and Information Management (ISEGI) - Universidade Nova de Lisboa, 1998-1999.

Teaching Assistant, Nova SBE - Universidade Nova de Lisboa, 1987-1990.

PUBLICATIONS IN INTERNATIONAL JOURNALS

“Satisfied but Thinking about Leaving: The Reasons behind Residential Satisfaction and Residential Attractiveness in Shrinking Portuguese cities”, 2019, *International Journal of Urban Sciences*, vol. 23(1), pp. 67-87, joint work with Ana Paula Barreira, Maria Helena Guimarães, and Thomas Panagopoulos.

“Is retention beneficial to low-achieving students? Evidence from Portugal”, 2018, *Applied Economics*, vol. 50(40), pp. 4306-4317, joint work with Ana Balcão Reis and Carmo Seabra.

“Predictors of Student Success in Higher Education: Secondary School Internal Scores versus National Exams”, 2018, *Higher Education Quarterly*, vol. 72(4), pp. 304-313, with José Cerdeira, Ana Balcão Reis, and Carmo Seabra.

“On nature’s shoulders: Riding the big waves in Nazaré”, 2018, *Tourism Economics*, vol. 24(4), pp. 369-385, with Maria A. Cunha-e-Sá, Rita Freitas, and Vladimir Otrachshenko.

“Euro area membership and the probability of a sudden stop: an empirical assessment”, 2018, *Journal of Common Market Studies*, vol. 56(4), pp. 818-836, with Miguel Lebre de Freitas and Madalena Sampaio Rodrigues.

“A spatially explicit choice model to assess the impact of conservation policy on High Nature Value farming systems”, 2018, *Ecological Economics*, vol. 145, pp. 331-338, with Paulo Ribeiro, Francisco Moreira, Joana Santana, José Lima Santos, Luís Reino, and Pedro Beja.

“What makes people stay in or leave shrinking cities? An empirical study from Portugal”, 2016, *European Planning Studies*, vol. 24(9), pp. 1684-1708, with Maria Helena Guimarães, Ana Paula Barreira, and Thomas Panagopoulos.

“Correcting for sample problems in PISA and the improvement in Portuguese students’ performance”, 2016, *Assessment in Education: Principles, Policy & Practice*, vol. 23(4), pp. 456-472, with Pedro Freitas, Ana Balcão Reis, Carmo Seabra, and Adriana Ferro.

“Residents’ preferred policy actions for shrinking cities”, 2016, *Policy Studies*, vol. 37(3), pp. 254-273, with Maria Helena Guimarães, Ana Paula Barreira, and Thomas Panagopoulos.

“Tests for Multiple Breaks in the Trend with Stationary or Integrated Shocks”, 2016, vol. 78(3), pp. 394-411, *Oxford Bulletin of Economics and Statistics*, with Nuno Sobreira.

“The publication of school rankings: a step toward increased accountability?”, 2015, *Economics of Education Review*, vol. 49, pp. 15-23, with Ana Balcão Reis, and Carmo Seabra.

“Productive experience and specialization opportunities for Portugal: an empirical assessment”, 2015, *Portuguese Economic Journal*, vol. 14(1), pp. 5-30, with Miguel Lebre de Freitas, Rui Costa Neves, and Susana Salvado.

“Accounting for Response Biases in Latent Class Models for Choices and Attitudes”, 2015, *Land Economics*, vol. 91(3), pp. 586-603, with Maria A. Cunha-e-Sá, and Vladimir Otrachshenko.

“Insights into the Responsiveness of Cork Oak (*Quercus suber* L.) to Bark Harvesting”, 2015, *Economic Botany*, vol. 69(2), pp. 171-184, with Augusta Costa, Heinrich Spiecker, and José Graça.

“Measuring birdwatchers preferences: A case for using online networks and mixed-mode surveys”, 2015, *Tourism Management*, vol. 46, pp. 102-113, with Maria Helena Guimarães, Livia Madureira, José M.L. Santos, Tomasz Boski, and Tomaz Dentineho.

“Using Choice Modeling to estimate the effects of environmental improvements on local development: When the purpose modifies the tool”, 2014, *Ecological Economics*, vol. 108, pp. 79-90, with Maria Helena Guimarães, Livia Madureira, José M.L. Santos, Carlos Sousa, Tomasz Boski, and Tomaz Dentineho.

“Beef Credence Attributes: Implications of Substitution Effects on Consumers’ WTP”, 2014, *Journal of Agricultural Economics*, vol. 65(3), pp. 600-615, with Inês Viegas, Livia Madureira, José Lima Santos, and Magda Aguiar Fontes.

“Characterizing economic growth paths based on new structural change tests”, 2014, *Economic Inquiry*, vol. 52(2), pp. 845-861, with Nuno Sobreira and Paulo M.M. Rodrigues.

“An Application of Wavelet Analysis to Meat Consumption Cycles”, 2013, *Food and Nutrition Sciences*, vol. 4(3), pp. 252-261, with Marija Banović and Vladan Arsenijevic.

“A Markov regime switching model of crises and contagion: The case of the Iberian countries in the EMS”, 2012, *Journal of Macroeconomics*, vol. 34(4), pp. 1141-1153, with José Mário Lopes.

“Protesting and Justifying: A Latent Class Model for Contingent Valuation with Attitudinal Data”, 2012, *Environmental and Resource Economics*, vol. 52(4), pp. 531-548, with Maria A. Cunha-e-Sá, Lívia Madureira, and Vladimir Otrachshenko.

“A wavelet-based assessment of market risk: The emerging markets case”, 2012, *The Quarterly Review of Economics and Finance*, vol. 52(1), pp. 84-92, with António Rua.

“Assessing forest management strategies using a contingent valuation approach and advanced visualisation techniques: A Portuguese case study”, 2011, *Journal of Forest Economics*, vol. 17(4), pp. 399-414, with Lívia Madureira, José G. Borges, and André O. Falcão.

“Forecasting mortality in the event of a structural change”, 2011, *Journal of the Royal Statistical Society A*, vol. 174(3), pp. 713-736, with Edviges Coelho.

“On LM-type tests for seasonal unit roots in the presence of a break in trend”, 2011, *Journal of Time Series Analysis*, vol. 32(2), pp. 108-134, with Paulo Rodrigues.

“The impact of pharmaceutical policy measures: An endogenous structural-break approach”, 2010, *Social Science & Medicine*, vol. 71(3), pp. 440-450, with Pedro Pita Barros.

“International comovement of stock market returns: A wavelet analysis”, 2009, *Journal of Empirical Finance*, vol. 16(4), pp. 632-639, with António Rua.

“Combining Averting Behavior and Contingent Valuation Data: An Application to Drinking Water Treatment in Brazil”, 2006, *Environment and Development Economics*, vol. 11(6), pp. 729-746, with Márcia A. Rosado, Maria A. Cunha-e-Sá, and Maria M. Ducla-Soares.

“Nowcasting quarterly GDP growth in a monthly coincident indicator model”, 2005, *Journal of Forecasting*, vol. 24(8), pp. 575-592.

“Coincident and leading indicators for the euro area: A frequency band approach”, 2005, *International Journal of Forecasting*, vol. 21(3), pp. 503-523, with António Rua.

“Consistency in Mixed Demand Systems: Contingent Valuation and Travel Cost Data”, 2004, *American Journal of Agricultural Economics*, vol. 86(2), pp. 444-454, with Maria A. Cunha-e-Sá, Maria M. Ducla-Soares, and Philippe Polomé.

“Instability in cointegration regressions: a brief review with an application to money demand in Portugal”, 2003, *Applied Economics*, vol. 35(8), pp. 893-900, with Vasco J.C.R. de A. Gabriel and Artur C.B. da Silva Lopes.

“Identifying non-consistent choice behavior in recreation demand models”, 2001, *Economics Letters*, vol. 72(3), pp. 403-410, with Maria A. Cunha-e-Sá, Maria M. Ducla-Soares, Márcia Rosado, and Brett H. Day.

“Testing for rationality: the case of discrete choice data”, 1998, *Economics Letters*, vol. 60(3), pp. 255-261, with Maria Cunha e Sá and Maria Ducla Soares.

“Testing for Unit-Roots with Breaks: Evidence on the Great Crash and the Unit-Root Hypothesis Reconsidered”, 1997, *Oxford Bulletin of Economics and Statistics*, vol. 59(4), pp. 435-448, with Paul Newbold and Chung-Ming Kuan.

“Spurious number of breaks”, 1996, *Economics Letters*, vol. 50, pp. 175-178, with Paul Newbold and Chung-Ming Kuan.

“Spurious Break”, 1995, *Econometric Theory*, vol. 11, pp. 736-749, with Chung-Ming Kuan and Paul Newbold.

WORK IN PROGRESS

“Fire takes no vacation: impact of fires on tourism”, with Vladimir Otrachshenko.

“The peculiar first semester of 2012”, with António S. Pinto Barbosa.

“Class Composition and Student Achievement in Portugal”, with João Firmino, Ana Balcão Reis and Carmo Seabra. Presented at: XXV Meeting of the Economics of Education Association, Badajoz, Spain, 30 June - 1 July 2016; Joint Research Centre, European Commission, Ispra, Italy, 18 October 2016; Fourth Lisbon Research Workshop on Economics, Statistics and Econometrics of Education, Lisbon, Portugal, 26-27 January 2017.

“Cohort effects and structural changes in the mortality trend”, with Edviges Coelho. Presented as invited paper at: Joint Eurostat/United Nations Economic Commission for Europe - Conference of European Statisticians (UNECE) in cooperation with Istat, Work Session on Demographic Projections, Rome, Italy, October 2013; Demography Seminars, Center for Demographic Studies-Faculdade de Letras, Universidade de Lisboa, Lisbon, Portugal, 6 April 2014; 3rd Demographics 2014 Workshop, Lisbon, Portugal, June 11-14, 2014; Workshop of the EAPS Health, Morbidity and Mortality Working Group, Prague, 16-18 September 2015.

“Does non-excludability encourage free-riding? Evidence from a choice experiment applied to biodiversity conservation”, with Carina Vieira da Silva, Lúcia Madureira, José Lino Costa, and José Lima Santos.

“Latent Class Difference-in-Differences: Measuring the Impact of Protest Attitudes on Willingness-to-Pay”, with Maria A. Cunha-e-Sá and Vladimir Otrachshenko. Presented at: World Congress of Environmental and Resource Economists, Istanbul, Turkey, June/July 2014, with the title “A Difference-in-Differences Approach to Measure the Impact on Willingness-to-Pay due to Protest Attitudes”.

“Students in higher education: success and selection”, with Dino Alves, Ana Balcão Reis, Carmo Seabra, and Pedro Luís Silva. Presented at: XXV Meeting of the Economics of Education Association, Badajoz, Spain, 30 June - 1 July 2016; Fourth Lisbon Research Workshop on Economics, Statistics and Econometrics of Education, Lisbon, Portugal, 26-27 January 2017.

“Testing for Broken Trends in Multivariate Time Series”, with Nuno Sobreira. Presented at: NBER-NSF Time Series Conference, Michigan State University, USA, September 2011; 20th Annual Symposium of the Society for Nonlinear Dynamics and Econometrics, Istanbul, Turkey, April 2012; 66th European Meeting of the Econometric Society, Malaga, Spain, August 2012; 21st Congress of Portuguese Statistical Society, Aveiro, Portugal, 29 November - 2 December 2013.

“The effect of a specialized versus a general upper-secondary school curriculum on students’ performance and inequality: A differences-in-differences cross country analysis”, with Ana Balcão Reis, Afonso Câmara Leme, Josep-Oriol Escardíbul, and Carmo Seabra. Presented at: XXVI Meeting of the Economics of Education Association, Murcia, Spain, 29-30 June 2017.

“Value-added measurement under high teacher turnover”, with Pedro Carneiro, Pedro Freitas, Ana Balcão Reis, and Carmo Seabra. Presented at: XXVI Meeting of the Economics of Education Association, Murcia, Spain, 29-30 June 2017.

OTHER PUBLICATIONS

“Fire takes no vacation: impact of fires on tourism”, with Vladimir Otrachshenko, 2019, Nova SBE Working Paper #632.

“Class Composition and Student Achievement: Evidence from Portugal”, with João Firmino, Ana Balcão Reis, and Carmo Seabra, 2018, Nova SBE Working Paper #624.

“The peculiar first semester of 2012”, with António S. Pinto Barbosa, 2018, Nova SBE Working Paper #620.

“Are Basic Schools more Effective than Secondary Schools?”, with Mariana Tavares, Ana Balcão Reis, and Carmo Seabra, in Proceedings of the XXIV Meeting of the Economics of Education Association, Madrid, Spain, 24-26 June 2015; also available in Proceedings of the Fourth Lisbon

Research Workshop on Economics, Statistics and Econometrics of Education, Lisbon, Portugal, 26-27 January 2017.

“Será a repetição de ano benéfica para os alunos?”, with Ana Balcão Reis and Carmo Seabra, 2016, Lisboa: Fundação Francisco Manuel dos Santos.

“Animal Spirits vs Contagion: Which one is the main driver of sovereign yields in Europe?”, with Miguel Homem Ferreira and José Tavares, 2016, Nova SBE Working Paper #604.

“Longevidade: Tendências, Oportunidades e Desafios”, 2016, *Notas da Nova*, 2016-04-11, Netfarma (opinion article), <http://www.netfarma.pt/artigo/luis-catela-nunes-longevidade-notas-da-nova>.

“Mortality in Portugal since 1950”, with Edviges Coelho, 2015, *Revista de Estudos Demográficos*, nº 55, pp. 5-30.

“A escola e o desempenho dos alunos”, 2015, Luis Catela Nunes (Org.), Lisboa: Fundação Francisco Manuel dos Santos.

“Rankings das escolas: o impacto nas escolas públicas e privadas”, with Ana Balcão Reis, and Carmo Seabra, 2015, in “A escola e o desempenho dos alunos”, Luis Catela Nunes (Org.), Lisboa: Fundação Francisco Manuel dos Santos, pp. 71-86.

“Determinants of Academic Success in Economics and Management”, with Dino Alves, Ana Balcão Reis, and Carmo Seabra. Proceedings of the XXIV Meeting of the Economics of Education Association, Madrid, Spain, June 24-26, 2015.

“What makes people stay in or leave shrinking cities? An empirical study from Portugal”, with Maria Helena Guimarães, Ana Paula Barreira, and Thomas Panagopoulos, 2015, Nova SBE Working Paper #592.

“Correcting for sampling problems in PISA and the improvement in Portuguese students' performance”, with Adriana Ferro, Pedro Freitas, Ana Balcão Reis, and Carmo Seabra, 2015, Nova SBE Working Paper #591.

“Decomposição da melhoria de resultados evidenciada no PISA: características dos alunos *versus* sistema educativo”, with Adriana Ferro, Pedro Freitas, Ana Balcão Reis, and Carmo Seabra, 2015, in *Investigação em Educação e os Resultados do PISA*, pp. 30-43, published by Conselho Nacional de Educação.

“Productive experience and structural transformation: The cases of Portugal, Spain, Greece, Italy and Germany”, with Miguel Lebre de Freitas and Rui Costa Neves, 2014, in *Structural Change, Competitiveness and Industrial Policy: Painful Lessons from the European Periphery*, edited by Aurora A.C. Teixeira, Ester Silva, and Ricardo Paes Mamede, Routledge, Taylor & Francis Group.

“Valuing ecosystem services of protected areas to different beneficiaries. the case of NP Serra da Estrela, Portugal”, with Livia Madureira, Raquel Oliveira, Rui Xavier, and Salete Loureiro, in *Alimentar Mentalidades, Vencer a Crise Global – Atas do ESADR 2013 (Feeding Minds, Overcoming Global Crisis - Proceedings of the ESADR)*, Universidade de Évora, 2013, pp. 4163-4178.

“A Choice Modeling Approach to Wind Power in Terceira Island”, with Ana Rodrigues, Livia Madureira, and Tomaz Dentinho, in *Alimentar Mentalidades, Vencer a Crise Global – Atas do ESADR 2013 (Feeding Minds, Overcoming Global Crisis - Proceedings of the ESADR)*, Universidade de Évora, 2013, ISBN 978-989-96353-8-88, pp. 4955-4978.

“The valuation of ecosystem services as a tool to support the design and assessment of landscape requalification: A case-study for the NP of Serra da Estrela, Portugal”, with Livia Madureira, Rui Xavier, and Salete Loureiro, Proceedings of the 19th Annual Conference of the Portuguese Association of Regional Development (APDR), Braga, Portugal, June 2013, pp. 1348-1356, Universidade do Minho, ISBN 978-989-96353-8-8.

“Testing for broken trends in multivariate time series”, with Nuno Sobreira, 2013, in Proceedings of the 21st Congress of Portuguese Statistical Society, edited by I.Pereira, A.Freitas, C.Neves, E.Rocha,

M.Scotto, M.E.Silva, and N.Silva, ISBN: 978-972-8890-31-5. Also available in proceedings of the 66th European Meeting of the Econometric Society, Malaga, Spain, 2012.

“Specialization patterns and structural transformation: The cases of China and India”, with Rui Costa Neves and Miguel Lebre de Freitas, 2013, in Proceedings of the 9th Iberian International Business Conference, edited by Manuel Caldeira Cabral, Maria Helena Guimarães, José Carlos Pinho, Miguel Pinheiro, ISBN: 978-989-98501-0-1.

“Productive experience and specialization opportunities for Portugal: an empirical assessment”, with Miguel Lebre de Freitas, Susana Salvado, and Rui Costa Neves, 2013, GEE Paper 10.

“Determinants of Generics’ Market Growth”, with Bruno Duarte Martins and Pedro Pita Barros, Proceedings of the 2012 Portuguese Stata Users Group meeting, Lisbon, Portugal.

“Protest Attitudes and Stated Preferences: Evidence on Scale Usage Heterogeneity”, with Maria A. Cunha-e-Sá and Vladimir Otrachshenko, 2012, Nova SBE Working Paper no. 569.

“Neoclassical, semi-endogenous or endogenous growth theory? Evidence based on new structural change tests”, with Nuno Sobreira and Paulo Rodrigues, 2012, INSPER Working Paper WPE-291 (a revised version was published in *Economic Inquiry*, 2014).

“Tests for Multiple Breaks in the Trend with Stationary or Integrated Shocks”, with Nuno Sobreira, 2012, INSPER Working Paper WPE-290 (a revised version was published in *Oxford Bulletin of Economics and Statistics*, 2016).

“Ranking schools: a step towards increased accountability or a mere discriminatory practice?”, with Ana Balcão Reis and Carmo Seabra, 2012, Nova SBE Working Paper no. 567 (a revised version was published in *Economics of Education Review*, 2015).

“A Wavelet-Based Assessment of Market Risk: The Emerging Markets Case”, with António Rua, 2012, Banco de Portugal, Economics and Research Department, Working Paper 2012-3 (a revised version was published in *The Quarterly Review of Economics and Finance*, 2012).

“Testing Volatility Regime Switching”, with José Faias, Proceedings of the Annual Meeting of the Association of Southern European Economic Theorists (ASSET), Évora, Portugal, June 2011.

“10 Anos de Política do Medicamento em Portugal”, with Pedro Pita Barros, May 2011, published by lulu.com.

“Protesting or Justifying? A Latent Class Model for Contingent Valuation with Attitudinal Data”, with Maria A. Cunha-e-Sá, Lívia Madureira, and Vladimir Otrachshenko, 2010, Nova SBE Working Paper no. 547 (a revised version was published in *Environmental and Resource Economics*, 2012).

“Iraque e Afeganistão: Evolução e Interação”, with Sandro Mendonça, 2009, Janus - Anuário de Relações Exteriores, Lisboa, Público/UAL, N° 12, pp. 34-35.

“Séries Temporais: Evolução e Tópicos Recentes”, with Paulo Rodrigues, Boletim da Sociedade Portuguesa de Estatística, Autumn 2009, pp.14-20.

“On LM-Type Tests for Seasonal Unit Roots in the Presence of a Break in Trend”, with Paulo M.M. Rodrigues, 2009, Banco de Portugal, Economics and Research Department, Working Paper 2009-20 (a revised version was published in *Journal of Time Series Analysis*, 2011).

“International comovement of stock market returns: a wavelet analysis”, with António Rua, 2009, Banco de Portugal, Economics and Research Department, Working Paper 2009-4 (a revised version was published in *Journal of Empirical Finance*, 2009).

“Two Paths to Growth Slowdown: Portugal and Spain, 1950-2007”, with Luciano Amaral, 2009, Proceedings of Iberometrics IV - Fourth Iberian Economic History Conference, Instituto de Ciências Sociais da Universidade Nova de Lisboa, <http://www.iberometrics.ics.ul.pt/papers.htm>.

“Números fatais: violência no Iraque, 2003-2007”, with Sandro Mendonça, 2008, Janus - Anuário de Relações Exteriores, Lisboa, Público/UAL, pp. 12-13.

“Macroeconomic Scenarios for the Portuguese Economy: 2006-2030”, with Miguel Lebre de Freitas, 2007, mimeo, Nova School of Business and Economics.

“Nowcasting an Economic Aggregate with Disaggregate Dynamic Factors: An Application to Portuguese GDP”, with António Morgado and Susana Salvado, 2007, Gabinete de Estratégia e Estudos, GEE Working Paper #2, Ministério da Economia e da Inovação.

“Determinants of FDI in Latin America”, with José Oscategui and Juan Peschiera, 2006, Departamento de Economía, Pontificia Universidad Católica del Perú, Working Paper 252.

“Exchange Market Pressure and the Credibility of Macau's Currency Board”, with Jorge Braga de Macedo, José Braz, and Luis Brites-Pereira, 2006, Nova SBE Working Paper no. 492.

“Valuing Multi-Attribute Environmental Changes: Contingent Valuation and Choice Experiments”, with Livia Madureira and José M.L. Santos, 2005, Proceedings of the EAERE 2005 - Annual Conference of the European Association of Environmental and Resource Economists.

“LM-Type Tests for a Unit Root Allowing for a Break in Trend”, 2004, Proceedings of the ESAM 2004 - Australasian Meeting of the Econometric Society.

“Moving the Escudo into the Euro”, 2004, in *Shaping the New Europe: Economic Policy Challenges of European Union Enlargement*, with Jorge Braga de Macedo and Francisco Covas, edited by M. A. Landesmann and D. K. Rosati, Palgrave-MacMillan. Previous versions were published as: CEPR Discussion Paper no. 2248, 1999; and Nova SBE Working Paper no. 346, 1999.

“Coincident and Leading Indicators for the Euro Area: A Frequency Band Approach”, with António Rua, 2003, Banco de Portugal, Economics and Research Department, Working Papers w200307 (a revised version was published in *International Journal of Forecasting*, 2005).

“Central Bank Intervention under Target Zones: The Portuguese Escudo in the ERM”, with Jorge Braga de Macedo and Luís Brites Pereira, 2003, Nova SBE Working Paper no. 435.

“Forecasting Euro Area Aggregates with Bayesian VAR and VECM Models”, with Ricardo Félix, February 2003, Banco de Portugal, Working Paper 2003-4.

“Estimating Binary Choice Models with On-Site Samples”, Proceedings - 57th European Meeting of the Econometric Society, Venice, Italy, August 2002.

“Bayesian Forecasting Models for the Euro Area”, with Ricardo Félix, March 2002, *Economic Bulletin*, Banco de Portugal, pp. 69-85.

“A New Leading Indicator for the Portuguese Economic Activity”, with Alda Rito, 2002, DGEP - Portuguese Ministry of Finance, Working Paper no. 26.

“Combining CV and RP Data: A Note on the Relationship between Consistency and Rationality”, with Maria M. Ducla-Soares and Maria A. Cunha-e-Sá, 2001, Nova SBE Working Paper no. 398 (a revised version was published in *American Journal of Agricultural Economics*, 2004).

“Novo Indicador Coincidente para a Actividade Económica”, with Alda Rito, 2000, Working Paper no. 15, DGEP, Portuguese Ministry of Finance.

“Combining Averting Behavior and Contingent Valuation Data: An Application to Drinking Water Treatment”, with Márcia Rosado, Maria A. Cunha-e-Sá, and Manuela M. Ducla-Soares, 2000, Nova SBE Working Paper no. 392 (a revised version was published in *Environment and Development Economics*, 2006).

“Identifying Nonrational Behavior in Recreation Demand Models”, with Maria Cunha-e-Sá, Maria Ducla Soares, Márcia A. Rosado, and Brett Day, 1999, Nova SBE Working Paper no. 338 (a revised version was published in *Economic Letters*, 2001).

“Forecasting the Portuguese Inflation Rate”, 1998, Working Paper no. 6, DGEP, Portuguese Ministry of Finance.

“Indicadores de Competitividade para a Economia Portuguesa”, with Manuel J. Vilares, Daniel C. Santos, and Joaquim R. Silva, 1997, ISEGI-UNL Working Paper no. 65.

“Testing for Rationality: The Case of Discrete Choice Data”, with Maria Cunha-e-Sá and Maria Ducla Soares, 1997, Nova SBE Working Paper no. 314 (a revised version was published in *Economics Letters*, 1998).

“Structural Change: a brief review”, 1996, ISEGI-UNL Working Paper no. 58.

“Consistent Estimation of the Number of Breaks with Dependent Errors”, with Paul Newbold and Chung-Ming Kuan, 1994, Southern European Economic Discussion Series (SEEDS), no.122, Association of Southern-European Economic Theorists.

“Spurious Break”, with Chung-Ming Kuan and Paul Newbold, 1993, BEBR Faculty Working Paper no. 93-0133, UIUC (a revised version was published in *Econometric Theory*, 1995).

“Sobre a Estimação Dogmática de Funções de Produção: Uma Aplicação à Indústria Portuguesa de Madeira”, with Rui Nuno Baleiras, 1991, Nova SBE Working Paper no. 172.

“A Exploração de Recursos Renováveis em Diferentes Estruturas de Mercado”, 1990, Nova SBE Working Paper no. 142.

“O Consumo de Energia para Usos Domésticos em Portugal: Uma Aplicação da Função Translog”, 1986, Nova SBE Working Paper no. 64.

CONFERENCE AND SEMINAR PRESENTATIONS

“Is grade repetition beneficial to students?”, joint work with Ana Balcão Reis, and Carmo Seabra, Third Lisbon Research Workshop on Economics, Statistics and Econometrics of Education, ISEG, Lisbon, Portugal, 23-24 January 2015; 22nd Congress of Portuguese Statistical Society, 7-10 October, 2015, Olhão, Portugal; 10th Annual Meeting of the Portuguese Economic Journal, Coimbra, Portugal, 1-3 July, 2016; 36th International Symposium on Forecasting, ISF2016, Santander, Spain, 19-22 June 2016; Conference “Mês da Educação 2016”, Fundação Francisco Manuel dos Santos, Lisbon, Portugal, 26 October 2016; and Fórum Estatístico, DGEEC, 8 March 2017.

“Class Composition and Student Achievement in Portugal”, joint work with João Firmino, Ana Balcão Reis and Carmo Seabra, Joint Research Centre, European Commission, Ispra, Italy, 18 October 2016.

“Social Sciences DataLab”, Conferência Dados de investigação e Ciência Aberta: Rumo a uma Estratégia Nacional”, 22 September 2016.

“Looking at the success of industrial policies through the product space”, Conference: Investimentos em Infra-estruturas em Portugal, Fundação Francisco Manuel dos Santos, Lisbon, Portugal, 10 March 2016.

“A escola e o desempenho dos alunos”, 1^a Conferência do Mês da Educação, Fundação Francisco Manuel dos Santos, Lisbon, Portugal, 7 October 2015.

“A Difference-in-Differences Approach to Measure the Impact on Willingness-to-Pay due to Protest Attitudes”, joint work with Maria A. Cunha-e-Sá and Vladimir Otrachshenko, Department of Economics Seminars joint with Center for Economic Design, Bogazici University, June 27, 2014, Istanbul, Turkey.

“Cohort effects and structural changes in mortality trend”, joint work with Edviges Coelho, Demography Seminars, Center for Demographic Studies-Faculdade de Letras, Universidade de Lisboa, Lisbon, Portugal, 6 April 2014.

“Testing for broken trends in multivariate time series”, joint work with Nuno Sobreira, 66th European Meeting of the Econometric Society, Malaga, Spain, 27-31 August 2012; 21st Congress of Portuguese Statistical Society, Aveiro, Portugal, 29 November - 2 December 2013.

“Accounting for Response Biases in Latent Class Models for Choices and Attitudes”, joint work with Maria A. Cunha-e-Sá and Vladimir Otrachshenko, presented at the Annual Meeting of the Association of Southern European Economic Theorists, Bilbao, Spain, 7-9 November 2013; Informal Research Workshop, Nova SBE, 25 March 2014.

“Bringing Educational Micro-Data to the Research Community: The Case of MISI”, presented at 4th International Workshop on Sharing Best Practices in R&D and Education Statistics, Lisbon, Portugal, 5 November 2013.

“Forecasting consumer benefits from smart meter roll-outs”, 32nd Annual International Symposium on Forecasting, ISF 2012, Boston, Massachusetts, USA, 24-27 June 2012.

“Load profiling and forecasting: Dealing with mixed frequency data”, 31st Annual International Symposium on Forecasting, ISF 2011, The University of Economics, Prague, Czech Republic, June 2011.

“Protest Beliefs in Contingent Valuation: Latent Variable and Latent Class Models”, joint work with Maria A. Cunha-e-Sá and Vladimir Otrachshenko, 28th European Meeting of Statisticians, EMS2010, Piraeus, Greece, August 2010.

“O Iraque: Uma Visão Científica do Conflito”, joint work with Sandro Mendonça, Instituto de Estudos Superiores e Militares, Lisboa, Portugal, February 2009 and February 2010.

“Tests for Multiple Breaks in The Trend with Stationary or Integrated Shocks”, joint work with Nuno Sobreira, 64th European Meeting of the Econometric Society, Barcelona, Spain, August 2009.

“Mortalidade e morbilidade numa situação de guerra: o caso do Iraque”, joint work with Sandro Mendonça, 3rd Portuguese Demography Congress, Lisbon, September 2008.

“Macroeconomic Scenarios for the Portuguese Economy: 2006-2030”, joint work with Miguel Lebre de Freitas, 27th Conference of the Portuguese Economic and Social History Association, Lisboa, November 2007.

“Fatal numbers: Violence dynamics in Iraq, the first four years”, joint work with Sandro Mendonça, Meeting of COST A24, "The Evolving Social Construction of Threats – The Privatisation of Security", Basel, October 2007.

“Testing Rationality in Mixed Demand Systems: Contingent Valuation and Travel Cost Data”, joint work with Maria A. Cunha-e-Sá and Maria M. Ducla-Soares, AAEA Annual Meeting, Long Beach, CA, USA, July 2006.

“Valuing Multi-Attribute Environmental Changes: Contingent Valuation and Choice Experiments”, joint work with Livia Madureira and José M.L. Santos, EAERE 2005, Annual Conference of the European Association of Environmental and Resource Economists, Bremen, Germany, June 2005.

“Coincident and Leading Indicators for the Euro Area: A Frequency Band Approach”, joint work with António Rua, 24th International Symposium on Forecasting, Sydney, Australia, July 2004.

“LM-Type Tests for a Unit Root Allowing for a Break in Trend”, ESAM 2004, Australasian Meeting of the Econometric Society, Melbourne, Australia, July 2004; 25th Meeting of the Brazilian Econometric Society, Porto Seguro, Brazil, December 2003; and ASSET 2003, Annual Meeting of the Southern European Economic Theory Association, Bilkent - Ankara, Turkey, October 2003.

“Estimating Binary Choice Models with On-Site Samples”, 11th Congress of the Portuguese Statistical Society, Faro, Portugal, September 2003.

“Central Bank Intervention under Target Zones: The Portuguese Escudo in the ERM”, joint work with Jorge Braga de Macedo, and Luís Brites Pereira, 8th Conference of the Portuguese Society for Research in Economics (SPIE), Lisbon, Portugal, June 2003; and Academia Sinica, Taipei, Taiwan, December 2002.

“A New Leading Indicator for the Portuguese Economy”, joint work with Alda Rito, International Economic Association 13th World Congress, Lisbon, Portugal, September 2002.

“Estimating Binary Choice Models with On-Site Samples”, 57th European Meeting of the Econometric Society, Venice, Italy, August 2002; and SATPEG, FEUNL, Lisbon, Portugal, April 2002.

“Forecasting Current Quarter GDP”, 22nd International Symposium on Forecasting, Dublin, Ireland, June 2002.

“Testing Rationality in a Combined CV and Travel Cost Study”, joint work with Maria A. Cunha-e-Sá and Maria M. Ducla-Soares, The European Association of Environmental and Resource Economists Annual Conference, Southampton, UK, June 2001.

“Coincident Economic Indicators for the Portuguese Economic Activity”, joint work with Alda Rito, Workshop on EU Harmonized Business and Consumer Surveys in the Applicant Countries, DG ECFIN/OECD, Lisbon, Portugal, October 2000.

“A New Coincident Economic Indicator for the Portuguese Economy”, joint work with Alda Rito, 20th International Symposium on Forecasting, Lisbon, Portugal, June 2000.

“Bayesian VECM forecasting models for the EMU-11”, joint work with Ricardo Félix, 20th International Symposium on Forecasting, Lisbon, Portugal, June 2000.

“Moving the Escudo into the Euro”, Jorge Braga de Macedo and Francisco Covas, European Summer Symposium in Macroeconomics, CEPR/Banco de Portugal, Sintra, Portugal, May 1999; and 4th Conference of the Portuguese Society for Research in Economics (SPIE), Évora, Portugal, June 1999.

“Calibrating BVAR Models for Forecasting”, joint work with Rita Duarte, Linear and Nonlinear Time Series: New Developments, Time Series Workshop at Arrábida, Setúbal, Portugal, July 1999; and Banco de Portugal research seminar, Lisbon, Portugal, June 1999.

“Exchange Rate and its Fundamentals: the Portuguese Case”, CIEF-DGEP Workshop - The Euro Conversion Rate: Main Policy Issues, Lisbon, Portugal, April 1998.

“Modelos para a Previsão da Inflação Portuguesa”, SATPEG, FEUNL, Lisbon, Portugal, October 1997.

“Indicadores de Competitividade da Economia Portuguesa”, joint work with Manuel Vilarés, Daniel Santos e Joaquim Ramos Silva, Statistics and Econometrics Seminar, ISEGI, Lisbon, Portugal, June 1997.

“Structural Change: a Brief Review”, Statistics and Econometrics Seminar, ISEGI, Lisbon, Portugal, November 1996.

“Spurious Breaks”, joint work with Paul Newbold and Chung-Ming Kuan, SATPEG, FEUNL, Lisbon, Portugal, December 1994.

“Consistent Estimation of the Number of Breaks with Dependent Errors”, joint work with Paul Newbold and Chung-Ming Kuan, ASSET 94, Lisbon, Portugal, November 1994.

REFEREING

Computational Statistics and Data Analysis, Ecological Economics, Economia, Economic Modelling, Economics Letters, Emerging Markets Finance and Trade, Empirical Economics, Energy Economics, Environmental and Resource Economics, Estudos de Economia, Global Economic Review, International Journal of Health Care Finance and Economics, International Review of Economics and Finance, Journal of Banking and Finance, Journal of Business and Economics Statistics, Journal of Business Cycle Analysis and Measurement, Journal of Econometrics, Journal of Empirical Finance, Journal of Macroeconomics, Journal of Time Series Analysis, Oxford Bulletin of Economics and Statistics, Portuguese Economic Journal, Quarterly Review of Economics and Finance, Revista Brasileira de Econometria, Scientific Reports.

FUNDED RESEARCH PROJECTS

“Social Sciences Data Lab”, Integrated in the national roadmap of strategic research infrastructures for 2014-2020; principal investigator: Luís Catela Nunes; funding in 2017: 2.1 million euros for 3 years.

“The impact of the teacher on student’s learning”, EDULOG, Fundação Belmiro de Azevedo, 2016, for 3 years.

“Early retention of low achieving students”, Fundação Francisco Manuel dos Santos, 2015-2016.

“The Economic Valuation and Governance of Marine and Coastal Ecosystem Services (MCES)”, 2014-2017, Funded by Calouste Gulbenkian Foundation, coordinated by Antonieta Cunha e Sá.

“Accountability and efficiency of the schooling system”, PTDC/EGE-ECO/122754/2010, coordinated by Ana Balcão Reis, 3 years.

“Robust estimation of structural changes”, POCTI/ECO/34755/2000, coordinated by Luís Catela Nunes, 3 years.

“Forest ecosystem management: an integrated stand-to-landscape approach to biodiversity and to ecological, economic and social sustainability”, POCTI/AGR/36332/1999, coordinated by José Guilherme Borges - Instituto Superior de Agronomia-UTL, 3 years.

“Rationality in individual choice behavior”, POCTI/ECO/36660/1999, coordinated by Antonieta Cunha e Sá, 3 years.

SCHOLARSHIPS, GRANTS, AND AWARDS

Nova Forum Research Grants: 1998, 2004, 2011, 2013, and 2014.

The Lisbon MBA Católica|Nova part time - Best Professor Award - Class 2012-2014.

Bolsa Amélia de Melo, 1997.

FLAD, Doctoral Grant, 1993-1994.

Langhoff Memorial Award, University of Illinois at Urbana-Champaign, 1991.

UNISYS Research Award, FEUNL, 1991.

JNICT - Programa Ciência, Doctoral Grant, 1990-1993.

Fulbright Scholarship, 1989-1994.

TEACHING

Undergraduate courses: Econometrics; Applied Macroeconometrics; Computational Methods (BASIC and Operations Research); Computational Methods for Statistics and Econometrics; Statistics for Economics and Management.

Master courses: Econometrics; Introduction to Financial Econometrics; Macroeconometrics.

MBA courses: Quantitative Analysis for Business; Uncertainty and Decision Making.

PhD courses: Econometrics; Macroeconometrics; Time Series Analysis; Applied Economics Seminar; Econometrics for Economic Valuation of the Environment.

STUDENT AND RESEARCHER SUPERVISION

Currently supervising 1 post-doc researcher, and 3 doctoral and 1 master students.

Since 1997, supervised 1 post-doc researcher, 6 doctoral students, and 59 master students' theses/work-projects.

ACADEMIC POSITIONS

Scientific Coordinator of the Social Sciences DataLab (Integrated in the Portuguese Roadmap of Research Infrastructures 2014-2020), September 2013- August 2019.

Coordinator of the Quantitative Methods & Decision Sciences Faculty Group at Nova SBE, June 2013-October 2018.

Member of Nova SBE's Ethics Steering Committee, 2018.

Deputy Dean, Nova School of Business and Economics, July 2015-May 2016.

Research Unit Coordinator, Nova School of Business and Economics, April 2015-May 2016.

Dean for Pedagogical Affairs (Presidente do Conselho Pedagógico), Nova SBE, 2005-2009.

Coordinator of the Licenciatura in Management, Nova SBE, 2005-2006.

Coordinator of the Licenciatura in Economics, Nova SBE, 2003-2006.

Socrates-Erasmus Student Exchange Coordinator, Nova SBE, 2000-2001.

Participation in Academic Bodies:

Elected Member of the University General Council, Universidade Nova de Lisboa, March 2013 - July 2015, and since March 2018.

Faculty Evaluation Committee on Tenure and Promotion, since October 2016.

Research Task Force, Nova SBE, 2016.

Undergraduate Academic Committee, Nova SBE, March 2014 - June 2015.

Elected Member of the Nova SBE School Council, April 2013 - July 2015.

Coordinating Committee of the Scientific Council, Nova SBE, 2003-2009, and 2012-2016.

Scientific Council, Nova SBE, since 1996.

Undergraduate Teaching Development Office - Nova SBE, 2012-2014.

Teaching Quality Council, Universidade Nova de Lisboa, August 2010 - March 2014.

Nova SBE Licenciatura Task Force, 2011.

Pedagogical Council, Nova SBE, 2004-2009.

Directive Council, Nova SBE, 2003-2009.

Assembleia de Representantes, Nova SBE, 1998 and 2002-2005.

Scientific Council, ISEGI-UNL, 1996-1998.

OTHER ACADEMIC ACTIVITIES

Research Evaluator:

Evaluation of research projects funded by the Portuguese national science foundation (FCT): Evaluator of proposals, 2007; Evaluator of final project reports in Business and Economics, 2010-2011; Coordinator and Evaluator of final project reports in Business and Economics, 2011 and 2014-2015.

Participation in Academic Juries:

Juries for habilitation (*agregação*), for assistant and associate professor positions, for hiring visiting professors, and for hiring teaching assistants at Nova SBE; juries for hiring economists and chief economists at the Portuguese Ministry of Finance; juries for Licenciatura, Master, and PhD students admission at Nova SBE; PhD thesis, master thesis, and master work projects defence juries; juries for the equivalence of foreign Master and PhD degrees.

Coordinator of the AACSB Accreditation of the Assessment of Learning of Nova SBE, 2007-2009.

Coordinator of the Faculty Teaching Assignments, Nova SBE, 1996-2000 and 2005-2009.

Coordinator of undergraduate computer courses, Nova SBE, 1996-2009.

Coordinator of the Bologna Transition at Nova SBE, 2006-2008.

Coordinator of the Research Seminar Series at Nova SBE (SATPEG), 2004-2005.

Coordinator of the statistical analysis of teacher evaluations at Nova SBE, 1996-2000.

Coordinator of the project for building the first Nova SBE webpage on the internet, 1995-1996.

CONSULTANCY WORK

Coordinated and participated in several consultancy projects for private companies, public institutions and government ministries/agencies: Banco de Fomento Exterior, Banco de Portugal (Portuguese Central Bank), Banco Mello, Banco Nacional Ultramarino, EDP Distribuição - Energia S.A. (Portuguese Electricity Distribution Company), EDP - Energias de Portugal, S.A, IICT (Instituto de Investigação Científica e Tropical), Pfizer, Portuguese Ministry of Economy, Portuguese Ministry of Finance, Qmetrics, REN (Portuguese National Electrical Network Company).