

# Curriculum Vitae

## José Luis Torres Chacón

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### Personal Information

Surname: Torres  
Name: José L.  
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### Education

1998. Ph.D. Economics, UNED, Madrid.  
1991-1994. Ph.D. Program. European University Institute, Florence, Italy.  
1987-1991. Degree in Economics (BA). University of Málaga, Málaga, Spain.

### Teaching Positions

2016-Present. Professor of Economics. Department of Economics and Economic History. University of Malaga.  
2001-2016. Associate Professor. Department of Economics and Economic History. University of Malaga.  
1994-2001. Assistant Professor. Department of Economics and Economic History. University of Malaga.

### Fields of Specialization

Dynamic Macroeconomics; Fiscal Policy; Technological Change and Growth; National Defence; Economics of the Outer Space; Military Operations Research.

### Grants and Fellowships

2021-2022. Instituto de Estudios Fiscales. Twin deficits. PI: Anelí Bongers (University of Malaga, Spain)/Benedetto Molinari (University of Malaga, Spain and RCEA, Canada).  
2020-2023. Spanish Ministry of Science, Innovation and Universities Grant PID2019-107161GB-C33 (Project THUIT-3: Research in Human Capital, Inequality, Technology and the Environment-3). PI: Gustavo Marrero (University of La Laguna, Spain).  
2019-2021. Project UMA18-FEDERJA-145 (Project International Migration). PI: Anelí Bongers (University of Malaga, Spain).  
2019-2021. Teaching Innovation Project Grant PIE19-231 (Project System Dynamics in Economics). PI: José L. Torres.  
2017-2019. Teaching Innovation Project Grant PIE17-046 (Project Numerical Simulation in the Teaching of Macroeconomics). PI: José L. Torres.  
2016-2019. Spanish Ministry of Science, Innovation and Universities Grant ECO2016-76818-C3-2-P. (Project THUIT-2: Research in Human Capital, Inequality, Technology and the Environment-2). PI: Gustavo Marrero (University of La Laguna, Spain).

2014-2015. University of Malaga Research Grant (Project Business Cycles, Exchange Rate Regimes, and Debt Crisis). PI: José L. Torres.

2014-2015. Antitrust Agency of Junta de Andalucía Grant (Project: Price Behaviour and Market Share). PI: José L. Torres.

2014-2015. Public Infrastructure Agency of Junta de Andalucía R&D-2014 Grant GGI3003IDIJ (Project: Short- and Long-Run Effects of Road Investment on Economic Growth and Productivity). PI: José L. Torres.

2013-2015. Spanish Ministry of Science, Innovation and Universities Grant ECO2013-48884-C3-3-P. (Project THUIT-1: Research in Human Capital, Inequality, Technology and the Environment-1). PI: Gustavo Marrero (University of La Laguna, Spain).

2013-2015. Teaching Innovation Project Grant PIE13-043 (Project Using the Excel Solver Tool for Dynamic Maximization Problems). PI: José L. Torres.

2012-2016. Research Excellence Project, Junta de Andalucía Grant SEJ-1512 (Project Debt Crisis, Fiscal Adjustments, and Globalization). PI: Jesús Rodríguez (University Pablo de Olavide, Spain).

2011-2012. Research Centre of Andalusia Grant PRY067-11 (Project Human Capital, Technological Change, and Productivity Growth). PI: José L. Torres.

2010-2012. Teaching Innovation Project Grant PIE10-003 (Project Tools in Excel). PI: José L. Torres.

2009-2010. Research Centre of Andalusia Grant PRY163-09 (Project Characterization of the Business Cycle). PI: José L. Torres.

2008-2013. Research Excellence Project, Junta de Andalucía Grant SEJ-02479 (Project Economic Growth and the New Economy). PI: José L. Torres.

2008-2009. Budget Department of Junta de Andalucía Grant (Project Forecasting Models for Fiscal Revenues). PI: Jesús Rodríguez (University Pablo de Olavide, Spain).

2007-2008. Research Centre of Andalusia Grant ECOD1.07/085 (Project Essays on the New Economy). PI: Jesús Rodríguez (University Pablo de Olavide, Spain).

2006-2007. Research Centre of Andalusia Grant ECOD1.05/025 (Project Capital Accumulation and Innovation). PI: Jesús Rodríguez (University Pablo de Olavide, Spain).

2006. Research Grant University of Malaga for short visits (Universidad de Salamanca, Spain).

2004-Present. Research Program of Junta de Andalucía Grant SEJ-0122 (Project: International Economics and Economic Growth). PI: José L. Torres.

1999. Research Grant University of Malaga for short visits (University of Nottingham, UK).

1993-1994. Research Grant European Commission (Assistant Researcher). European University Institute, Florence, Italy.

1991-1993. Graduate Research Grant Salvador de Maradiaga Program. Spanish Ministry of Foreign Affairs. Ph.D. Courses in the European University Institute, Florence, Italy.

1989-1991. Undergraduate Research Grant. Department of Economics and Economic History. University of Malaga.

### **Short Visits and Consulting**

2018. University of Cardiff (UK). Visiting. Department of Economics.

2017. University of McMaster (Canada). Visiting. Department of Economics.

2010. European Central Bank (Germany). Consultant.

2006. University of Salamanca (Spain). Visiting. Department of Economics.

2001-2006. Research Centre of Economic Analysis. Unicaja Bank. Consultant.

2000. University of Nottingham (UK). Visiting. Department of Economics.

## Publications

### Submitted and Working Papers

1. A dynamic investment model for satellites and orbital debris (with A. Bongers). 2022.
2. An Approximate Bayesian Computation estimation of the Battles of the Coral Sea and Midway (with A. Bongers). 2022.
3. Labor share and income distribution: Size of the cake or the cake portion? (with A. Bongers and B. Molinari). 2022.
4. Satellites and space pollution: Shielding and debris-free launch systems (with A. Bongers and B. Molinari). 2022.
5. Computers, programming, and Dynamic General Equilibrium macroeconomic modelling (with A. Bongers and B. Molinari). 2022.
6. Automation and public finances (with P. Casas). 2022.
7. Oil price shocks, fiscal revenues and public investment: The case of Ecuador (with Igor Díaz-Kovalenko). 2022.
8. Star Wars: Anti-Satellite Weapons and Orbital Debris (with A. Bongers). 2022.
9. Efficiency and Welfare Cost of Fiscal Policy in Emerging Economies: The Case of Morocco (with A. El-Khalifi and H. Ouakil). 2022.

### Papers in Journals

1. Brain Drain or Brain Gain? International labor mobility and human capital formation (with A. Bongers and C. Díaz-Roldán). *Journal of International Trade and Development Economics*, 2022 (forthcoming).
2. Highly Skilled International Migration, STEM Workers, and Innovation (with A. Bongers and C. Díaz-Roldán). *Economics, The Open-Access Open-Assessment e-Journal*, 2022 (forthcoming).
3. The Government in SNA-compliant DSGE models (with G. F-de-Córdoba and B. Molinari). *The B.E. Journal of Macroeconomics*, 2022 (forthcoming).
4. Social Security Contributions Distribution and Economic Activity. *International Tax and Public Finance*, 2022 (forthcoming).
5. Automation, Automatic Capital Returns, and the Functional Income Distribution (with P. Casas). *Economics of Innovation and New Technology*, 2022 (forthcoming).
6. Public Debt Frontier: A Python Toolkit for Analyzing Public Debt Sustainability (with G. F-de-Córdoba and B. Molinari). *Sustainability*, 13, 13260, 2021.
7. A bottleneck combat model: An application to the Battle of Thermopylae. (with A. Bongers). *Operational Research*, 21(4), 2857-2877, 2021.
8. Dynamic Macroeconomic Models with Excel (with A. Bongers and T. Gómez). *Journal of Economic Education*, 52(4), 372, 2021.
9. Teaching Dynamic General Equilibrium models to undergraduates using a spreadsheet (with A. Bongers and T. Gómez). *International Review of Economic Education*, 35(4), 1-11. 2020.
10. The Defence Production Function and the Macroeconomy. *PLoS One*, 15(10), 1-18. 2020.

11. Revisiting the Battle of Midway: A Counterfactual Analysis (with A. Bongers). *Military Operation Research*, 25(2), 49-68, 2020.
12. Factores Determinantes del Crecimiento Económico: Una Panorámica Global (con A. Bongers). *Papeles de Economía Española*, 164, 15-40, 2020.
13. Economía colaborativa y regulación: un análisis prospectivo (con J.M. Ordóñez). *Cuadernos Económicos del ICE*, 97, 75-100, 2019.
14. Technological sources of economic growth in Europe and the U.S. (con Benedetto Molinari). *Technological and Economic Development of Economy*, 24(3), 1148-1169, 2018.
15. Una aproximación alternativa a la enseñanza de la Macroeconomía: La Macroeconomía Computacional (con Anelí Bongers y Trinidad Gómez). *e-Pública, Revista electrónica sobre la enseñanza de la Economía Pública*, 21, 1-20, 2017.
16. Fiscal Discipline and Defaults (con G. F-de-Córdoba y Pau Pujolás). *Review of Economic Dynamics*, 24, 1-13, 2017.
17. Fiscal Policy, the current account and the twin deficits hypothesis (con A. Bongers). *Cuadernos Económicos del ICE*, 94, 33-56, 2017.
18. National Security, Military Spending, and the Business Cycle (con Gonzalo F-de-Córdoba). *Defence and Peace Economics*, 27(4), 549-570, 2016.
19. Technological Change in U.S. Jet Fighter Aircraft (con Anelí Bongers). *Research Policy*, 43, 1570-1581, 2014.
20. Price hysteresis after antitrust enforcement: Evidence from Spanish food markets (joint with José M. Ordóñez). *Journal of Competition Law and Economics*, 10(1), 217-256, 2014.
21. Measuring Technological Trends: A comparison between U.S. and U.S.S.R./Russia Jet Fighter Aircraft (joint with Anelí Bongers). *Technological Forecasting & Social Change*, 87, 125-134, 2014.
22. Comportamiento estratégico ante la intervención de las autoridades de la competencia: la industria del pan en España (conjunto con José M. Ordóñez de Haro). *Cuadernos Económicos del ICE*, n. 88, 149-181, 2014.
23. Growth and technological progress in selected Pacific countries (joint with Benedetto Molinari and Jesús Rodríguez-López). *Japan and the World Economy*, 28, 60-71, 2013.
24. Information and Communication Technologies over the Business Cycle (joint with Benedetto Molinari and Jesús Rodríguez-López). *The B.E. Journal of Macroeconomics*, 13(1), 933-963, 2013.
25. Fiscal harmonization in the European Union with public inputs (joint with Gonzalo Fernández de Córdoba). *Economic Modelling*, 29(5), 2024-2034, 2012.
26. Technological sources of productivity growth in Germany, Japan, and the U.S. (joint with Jesús Rodríguez-López). *Macroeconomic Dynamics*, 16(1), 133-156, 2012.
27. Public and private sector wages interactions in a general equilibrium model (joint with Gonzalo Fernández de Córdoba and Javier J. Pérez). *Public Choice*, 150(1-2), 309-326, 2012.
28. On the substitutability between public and private employment inputs (joint with Gonzalo Fernández de Córdoba and Javier J. Pérez). *Economics Bulletin*, 32(3), 2700-2709, 2012.

29. Forecasting the Spanish economy with a DSGE model: An Augmented VAR approach (joint with Gonzalo Fernández de Córdoba). *SERIEs-Journal of The Spanish Economic Association*, 2(3), 379-399, 2011.
30. Demand shocks and trade balance dynamics (joint with José García-Solanes and Jesús Rodríguez-López). *Open Economies Review*, 22(4), 739-766, 2011.
31. The Transitory VAT Cut in the UK: A Dynamic General Equilibrium Analysis (joint with Gonzalo Fernández de Córdoba). *Economic Issues*, 16(1), 1-18, 2011.
32. El aumento del IVA en España: Una cuantificación anticipada de sus efectos (con Gonzalo Fernández de Córdoba). *Revista de Economía Aplicada*, vol. XVIII, n. 53, 181-202. 2010.
33. Distance Matters: An Assessment of International Tourism Demand in Spain (joint with José M. Ordóñez and Carmen Ordóñez). *Tourism Analysis*, 15(2), 183-196. 2010.
34. ICT-specific technological progress and productivity growth in the US: 1980-2004 (joint with Diego Martínez and Jesús Rodríguez). *Information Economics and Policy*, 22(2), 121-129. 2010.
35. Capital público y crecimiento económico en España 1980-2004. *Hacienda Pública Española/Revista de Economía Pública*, 188, 31-54. 2009.
36. The productivity paradox and the new economy: The Spanish case (joint with Diego Martínez and Jesús Rodríguez). *Journal of Macroeconomics*, 30(4), 1569-1586, 2008.
37. Output subsidies and quotas under uncertainty and firm heterogeneity (with Bernardo Moreno). *International Journal of Business and Economics*, 6, 147-160, 2007.
38. Following the yellow brick road to the Euro? Czech Republic, Hungary and Poland (with Jesús Rodríguez). *Eastern European Economics*, 45, 47-80, 2007.
39. A non-parametric analysis of ERM exchange rate fundamentals. *Empirical Economics*, 32, 67-84. 2007.
40. Exchange rate dynamics in crawling-band systems (con M. Isabel Campos). *Economics Bulletin*, 6. 1-10. 2007.
41. The credibility of the Venezuela crawling-band system (con M. Isabel Campos y E. Villegas). *Revista de Economía del Rosario*, 9, 111-123, 2006.
42. Liberalización comercial, tamaño de mercado de asimetrías en costes (con Robert Hine y Peter Wright). *Información Comercial Española. Revista de Economía*, n. 796, 7-15, 2002.
43. Subvenciones a la producción versus cuotas bajo incertidumbre y heterogeneidad (con Bernardo Moreno). *Información Comercial Española. Revista de Economía*, n. 796, 33-40, 2002.
44. Uniform output subsidies in an economic union versus profit-shifting export subsidies (con Bernardo Moreno). *Journal of Economic Integration*, vol. 16, 617-636, 2001.
45. Stochastic intramarginal interventions in target zones, *Journal of International Financial Markets, Institutions and Money*, 10, 249-262, 2000.
46. An heterogeneous exectations target zone model, *Economic Letters*, 67, 69-74, 2000.
47. Uniones económicas y subsidios a la producción (con Bernardo Moreno), *Información Comercial Española. Revista de Economía*, 782, 165-174, 1999.
48. Estructura productiva y crecimiento en Andalucía (con Francisco Villalba), *Boletín Económico de Andalucía*, 25, 1999, 153-172.

49. El comportamiento del tipo de cambio de la peseta: correlación serial, raíces unitarias y persistencia (con Consuelo Gámez), *Revista de Estadística Española*, 40, 1998, 73-110.
50. Un análisis de la duración de las paridades centrales del SME (con Consuelo Gámez y Dolores García), *Cuadernos de Ciencias Económicas y Empresariales*, 34, 1998, 9-30.
51. La pérdida del tipo de cambio como instrumento de ajuste macroeconómico: Efectos sobre la balanza comercial e implicaciones para Andalucía, *Boletín Económico de Andalucía*, 23, 1997, 91-109.
52. La convergencia real de Andalucía: Un análisis de cointegración del mercado de trabajo (con Alicia Avilés y Consuelo Gámez), *Revista de Estudios Regionales*, 47, 1997, 15-36.
53. Tasa de paro real versus virtual en Andalucía (con Francisco Villalba), *Boletín Económico de Andalucía*, 23, 1997, 203-213.
54. Zonas objetivo del tipo de cambio: Una panorámica teórica y empírica (con Consuelo Gámez), *Información Comercial Española. Revista de Economía*, 758, 1996, 131-155.
55. Desviaciones de la paridad del poder adquisitivo: ¿Rigideces de precios o bienes no comercializables? (con Consuelo Gámez y Amalia Morales), *Hacienda Pública Española*, 138, 1996, 41-57.
56. Análisis de coyuntura, cuadros macroeconómicos, previsiones y estimación del crecimiento regional (con Antonio Avila, Alicia Avilés, Antonio Lozano y Francisco Villalba), *Boletín Económico de Andalucía*, 21, 1996, 77-99.
57. Funciones de densidad de los fundamentos y del tipo de cambio en una zona objetivo: Evidencia empírica para el SME (con Consuelo Gámez), *Cuadernos de Economía*, 23, 1995, 39-67.
58. Las intervenciones marginales dentro de una zona objetivo: evidencia para el SME (con Consuelo Gámez), *Cuadernos de Ciencias Económicas y Empresariales*, 27, 1994, 41-72.

## Books

1. *An Introduction to Computational Macroeconomics*, Vernon Press, ISBN: 2020.
2. *Introducción a la Macroeconomía Computacional*. Vernon Press, ISBN: 2019.
3. *Introduction to Macroeconomic Dynamic General Equilibrium Models*. Vernon Press, ISBN: 1-62273-030-5. 2014.
4. *Apuntes de Macroeconomía Avanzada*. Servicio de Publicaciones, Universidad de Málaga, ISBN: 978-84-9747-4450, 2013.
5. *Temas Actuales de Economía, vol. 3. Decisiones de tiempo de las mujeres (Editado)*. Instituto de Análisis Empresarial de Andalucía. ISBN: 84-932650-8-X, 2009.
6. *Temas Actuales de Economía, vol. 2: Capital Humano*, 2008 (Editor). Instituto de Análisis Económico y Empresarial de Andalucía. ISBN: 84-932650-8-X, 2008.
7. *Temas Actuales de Economía, vol. 1*. Diciembre 2005 (Editor). Instituto de Análisis Económico y Empresarial de Andalucía. ISBN: 84-932650-8-X, 2005.
8. *Instrumentos básicos para el análisis de series económicas* (con Felisa Becerra, Dolores García y M<sup>a</sup> Luz González), Analistas Económicos de Andalucía, ISBN: 84-95191-00-8, 255 págs., 1998.
9. *Teoría Monetaria Internacional* (con Consuelo Gámez), McGraw-Hill, ISBN: 84-481-0799-3, 367 págs., 1997.
10. *Cuestiones y problemas de Macroeconomía* (Francisco Mochón, Consuelo Gámez, Borja García-Alarcón y José F. Grana), McGraw-Hill, ISBN: 84-481-0268-1, 341 págs., 1996.

11. *Dinámica del tipo de cambio en una zona objetivo* (con Consuelo Gámez), Universidad de Málaga, ISBN: 84-600-92900-9, 89 págs., 1996.

### **Book chapters**

1. Investment-specific technological change and the Lisbon Strategy (con Diego Martínez y Jesús Rodríguez). *Perspectives on International Economics: An European Focus*, José García-Solanes and Helena Marques (eds.). Lambert Academic Publishing.
2. Capital tax harmonization in the European Union (con Gonzalo Fernández de Córdoba). *Perspectives on International Economics: An European Focus*, José García-Solanes and Helena Marques (eds.). Lambert Academic Publishing.
3. Cambio tecnológico y desigualdad salarial: La evolución de la prima a la cualificación en España, en *Temas Actuales de Economía, vol. 2: Capital Humano*, editado por José L. Torres, Instituto de Análisis Económico y Empresarial de Andalucía, 2008.
4. El acceso al euro de los países del este: El caso de la República Checa, Hungría y Polonia, (con Jesús Rodríguez), en *Temas Actuales de Economía*, editado por José L. Torres, Analistas Económicos de Andalucía, Diciembre 2005.

### **Editorial Duties**

2019-Present. Associate Editor, PLoS One.

### **Referee Activities**

Journal of Economic Growth; Economics of Innovation and New Technology; PLoS One; Oxford Bulletin of Economic and Statistics; Empirical Economics; Journal of Economic Integration; SERIEs; Applied Economics; Eastern European Economies; Economic Modelling; Journal of the Operational Research Society, Operational Research, North American Journal of Economic and Finance; Investigaciones Económicas; Economic Issues; Journal of Applied Economics; Journal of the Iberian and Latin American Economic History, Revista de Economía Aplicada; Revista de Estudios Regionales.

### **Presentations at Conferences**

IX Meeting on International Economics, Castellón, September 2021; XXII Conference on International Economics, Murcia, June 2021; IX International Conference on Economic Development and Social Sustainability (EDaSS), La Coruña, December 2020; XXI Conference on International Economics, Toledo, September 2020; 8<sup>th</sup> Interantional Conference on Economic Development and Social Sustainability (EDaSS), Castellón, November 2019; II Workshop of the Spanish Macroeconomics Network, Barcelona, September 2019; XX Conference on International Economics, Granada, June 2019; XXVI Encuentro de Economía Pública, Oviedo, January 2019; IX Jornadas de Docencia en Economía, Málaga, June 2017; XXIV Encuentro de Economía Pública. Toledo. January 2017; VIII Jornadas de Docencia en Economía, Madrid, June 2016. XII Conference on International Economics, Castellón, June 2011; II Jornadas de Docencia en Economía. Valencia, June 2010; European Public Choice Meeting 2010. Smyrna, Turkey, April, 2010; XIII Encuentro de Economía Aplicada, Seville, June, 2010; Workshop on Labour markets frictions, human capital and new technologies: their effects on economic growth, Huelva, September, 2009; I Jornadas de Docencia, Abril 2009, Granada; Workshop on Information and Communication Technologies, Centra, Málaga, October 2008; 6<sup>th</sup> ZEW Conference: The Economics of

Information and Communications Technologies, Manheim, Germany, July 2008; XI Encuentro de Economía Aplicada, Salamanca, June 2008; 7<sup>th</sup> INFER Workshop on International Economics, Murcia, March 2008; XXXII Simposio de Análisis Económico, Granada, December 2007; VI Workshop on International Economics, Málaga, March 2007; Jornadas de Política Económica. Granada, October 2006; BeMad-2006, Seville, September 2006.; IX Conference on International Economics, La Laguna, June 2005; XXX Simposio de Análisis Económico, Murcia, December 2005; III Workshop on International Economics, Málaga, November 2003; VIII Conference on International Economics, Ciudad Real, June 2003; VIII Encontro de Novos Investigadores de Análise Económica, A Coruña, July 2002; 6th METU Conference in Economics, Ankara, Turquía, September 2002; XXVII Simposio de Análisis Económico, Salamanca, December 2002; II Workshop on International Economics, Málaga, November 2002; Pan-European Conference, University of Makedonia and the International Economics and Finance Society (UK), Thessaloniki, Greece, May 2001; I Workshop on International Economics, Málaga, November 2001; VI Encontro de Xovenes Investigadores, Vigo, July 2000; Economic Design Meeting, Istanbul, Turkey, June 2000; XXIV Simposio Análisis Económico, Barcelona, December 1999; VI Congreso de Economía Internacional, Valencia, June 1999; XXI Simposio de Análisis Económico, Barcelona, December 1997; V Jornadas de Economía Internacional, Pamplona, June 1997; XXI Simposio de Análisis Económico, Barcelona, December 1996; IV Congreso de Economía Internacional, Castellón, June 1995; III Jornadas de Economía Internacional, Murcia, June 1993.

### **Seminars**

University of York, 2021; Universidad Castilla-La Mancha, 2019; Universidad Complutense de Madrid, 2015; Banco de España, 2015; Institute for Prospective Technological Studies (IPTS), Seville, 2015; Universidad Castilla-La Mancha, 2014; Universidad Autónoma de Madrid, 2011; Universidad de Valencia, 2009; Universidad de Vigo, 2008; European Central Bank, Frankfurt, Germany, 2007; Universidad Pablo de Olavide de Sevilla, 2007; Universidad de Valencia, 2006; Universidad Jaume I, 2003. University of Nottingham, UK, 1999.

### **Teaching**

#### **Undergraduate**

1994-Present. Introducción a la Economía I; Introducción a la Economía II; Economía Internacional; Macroeconomía I; Microeconomía I; Macroeconomía Avanzada I; Macroeconomía Avanzada II; Macroeconomía Intermedia; Macroeconomía Avanzada.

#### **Graduate**

2000-Present. Macroeconomics; Macroeconomic Analysis (UHU-UNIA); Dynamic General Equilibrium Macroeconomics (UPO); Topics on Macroeconomics (UHU); Business Cycles and Economic Growth.

### **International Institutions**

DSGE Modeling with Dynare (Joint Research Center, European Comission).



## **Professional Activities**

### **Scientific Program Committees**

IX Conference on International Economics; VIII Conference on International Economics; 2015 Annual Meeting ASSET; XXIX Simposio de Análisis Económico; XXIV Simposio de Análisis Económico; XXVIII Simposio de Análisis Económico; XXVII Simposio de Análisis Económico.

### **Conference Organization**

XXIII Conference on International Economics, 2022; IX Jornadas de Docencia en Economía, 2017; European Economic Association-ESEM, 2012; XXXVI Simposio de la Asociación Española de Economía-Spanish Economic Association (SAEe), 2011; Workshop on the New Economy, 2008; VI Workshop on International Economics, 2007; V Workshop on International Economics, 2006; IV Workshop on International Economics, 2005; III Workshop on International Economics, 2004; II Workshop on International Economics, 2003; I Workshop on International Economics, 2002; VII Jornadas de Economía Internacional. 2001.

### **Memberships**

2005-2012. Member of Board of Directors, Spanish Chapter of the International Economics and Finance Association (AEEFI).

### **Thesis Supervision**

Anelí Bongers, Universidad de Málaga, 2015; Ana I. Otero, Universidad de Málaga, 2016; Oscar L. Alonso 2016. In process: Pablo Casas, Universidad de Huelva and UNIA; Ernesto Díaz-Kovalenko, Universidad de Milagro (Ecuador) y UNIA.

### **Professional Appointments**

2014-2015. Director, Master of Economic Analysis. University of Málaga.

2013-2019. Member of the Committee of the Ph.D. Program in Economics. University of Málaga.

2013-2018. Member of the Board of Graduate Programs, University of Málaga.

2008-2015. Head of the Department of Economics and Economic History, University of Málaga.

1996-2001. Director, Department of Economic Analysis and Forecasting, Unicaja Bank.

### **Other**

Awarded with 4 Positive Research Evaluations (“Sexenios de Investigación”): 1997-2002; 2003-2008; 2009-2014, 2015-2020.