



Curriculum Vitae

Antonio Villar

**Universidad Pablo de Olavide
Department of Economics**

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Personal data

Name: Antonio Villar, Prof., Dr., Dr.

Birthdate: September 7, 1954.

Marital status: Married, one daughter.

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Academic background

Degrees

- **B.A. in Economics** (“Licenciado en Ciencias Económicas”), University of Valencia, 1978.
- **Doctor** (Doctor en Ciencias Económicas), University of Alicante, 1983 (Thesis: “Money and Distribution in a Linear Multisectoral Economy”).
- **Doctor** (Doctor of Philosophy), University of Oxford, 1990 (Thesis: “Complementarity Problems, Related Equation Systems and its Application to Economic Analysis”, supervisor Christopher Bliss, examiners James Mirrlees and Peter Hammond).

Positions

Current positions:

- **Professor**, Department of Economics, University Pablo de Olavide, Seville.
- **Senior Researcher**, Instituto Valenciano de Investigaciones Económicas (Ivie).
- **Associate Researcher**, Initiative for Socio-Economic Analysis and Knowledge (ISEAK)

Visiting positions abroad:

- Visiting Researcher at the *Center for Operations Research and Econometrics*, Louvain-la-Neuve (Belgium), October and November 1988.
- Visiting Scholar (Department of Economics) at *Stanford University*, September 1992- September 1993.

- Visiting Professor (Salvador de Madariaga Fellow) at the European University Institute (Florence, Italy), March to September 1997.
- Visiting Professor at the Institute for Advanced Studies (Vienna), February-March 2001.
- Visiting Professor (Salvador de Madariaga Fellow) at the European University Institute (Florence, Italy), September 2002 to March 2003.
- Senior Associate at St. Antony's College, University of Oxford, July-September 2010.
- Visiting Researcher at the University of York, July-August 2011.
- Visiting Professor at the Department of Mathematics for Decision Making, University of Florence, July-August 2012.
- Visiting Professor at the European University Institute (Florence), February to July 2014.
- Visiting Researcher at the Cardiff Business School, August 2014.
- Visiting Professor (Fernand Braudel Fellow) at the European University Institute (Florence), February to July 2015.
- Visiting Researcher at the OECD/EDU in Paris (Thomas J. Alexander Fellow), September 2015-August 2016.
- Visiting Professor at the University of Florence (Dipartimento di Scienze per l'Economia e l'Impresa), March – July 2019.

Languages

Spanish (mother tongue), English, French and Italian.

Research interests

My research activity concentrates on Microeconomic Theory. In particular:

- **Welfare economics and social choice**, including aspects of efficiency with externalities, public goods and non-convexities, distributive problems, inequality and welfare measurement, multidimensional indicators and human development, economics of education and labour.
- **General equilibrium**, with special interest on the effects of increasing returns to scale in market economies.

Teaching experience

I have taught different courses both for undergraduate and graduate students, including:

- **Introduction to Economics**, for first year undergraduate students.
- **Microeconomics**, for second, third, and fourth year undergraduate students.
- **Macroeconomics**, for third and fourth year undergraduate students.
- **Microeconomic Theory**, for first year doctoral students (Q.E.D. program - Alicante, University of Bielefeld, Universidad Pablo Olavide, Institute for Advanced Studies -Vienna).
- **General Equilibrium**, for second year doctoral students (Q.E.D. program - Alicante, Paris-Nanterre).
- **Inequality measurement**, Master in Economics (Pablo de Olavide).
- **Inequality, poverty and welfare**, Graduate Program at the European University Institute (Florence).

Publications

Books

1. **El Coste Social del Desempleo en España. El Discreto Encanto de la Recuperación Económica.** Fundación BBVA, 2023 (with S. De la Rica and L. Gorjón).
2. **Oportunidades de Empleo y Renta en España 2007-2016: El impacto de la crisis,** Fundación Ramón Areces, 2018 (with C. Herrero and A. Soler).
3. **Las Facetas del Bienestar: Una aproximación multidimensional a la calidad de vida en España y sus comunidades autónomas 2006-2015,** Fundación BBVA, 2018 (with C. Herrero and A. Soler).
4. **Lectures on Inequality, Poverty and Welfare,** Springer-Verlag, 2017.
5. **Desarrollo Humano y Pobreza en España,** Fundación Bancaja, 2013 (with C. Herrero & A. Soler)
6. **Educación y Desarrollo. PISA 2009 y el Sistema Educativo Español,** Editor, Fundación BBVA, 2012.
7. **Desarrollo Humano en España y sus Comunidades Autónomas (1980-2007),** Fundación Bancaja, 2010 (with C. Herrero and A. Soler).
8. **Mujer y Mercado de Trabajo en España: Cuatro Ensayos sobre la Discriminación Salarial y la Segregación Laboral,** Editor, Fundación BBVA, 2010.
9. **Desigualdad y Bienestar Social: de la Teoría a la Práctica,** Fundación BBVA, 2009 (with F. Goerlich).
10. **Microeconomía,** McGraw Hill, 2005.
11. **Decisiones Racionales,** McGraw Hill, 2005.

12. **Desarrollo Humano en España, sus Comunidades Autónomas y Provincias (1980-2000)**, Fundación Bancaja, 2004 (with C. Herrero and A. Soler).
13. **Mejoras Educativas y Actividad Económica en España: Un Panorama de los Cambios Recientes (1990-2000)**, Fundación Bancaixa, Valencia, 2002 (with A. Soler).
14. **Equilibrium and Efficiency in Production Economies**, Berlin, Springer-Verlag, 2000.
15. **Lecciones de Microeconomía**, Barcelona, A. Bosch Ed., 1999.
16. **General Equilibrium with Increasing Returns**, Berlin, Springer-Verlag, 1996.
17. **Curso de Microeconomía Avanzada**, Barcelona, A. Bosch Ed., 1996.
18. **Operator Theorems with Applications to Distributive Problems and Equilibrium Models**, Berlin, Springer-Verlag, 1992.
19. **Matrices Semipositivas y Modelos Lineales**, Universidad de Alicante, 1984 (with C. Herrero y J.A. Silva).

Articles

1. Welfare Poverty Measurement, **Journal of Human Development and Capabilities**, vol. 24, pp. 147-162, 2023.
2. The Precedence function: A numerical evaluation method for multicriteria ranking problems, **Economic Theory Bulletin**, forthcoming.
3. Non-working workers. The Spanish labour market under Covid-19, **Hacienda Pública Española / Review of Public Economics**, forthcoming (joint with J.I. García-Pérez).
4. The Social Cost of Unemployment by Types of Workers. In: Baikady R., Sajid S., Przeperski J., Nadesan V., Islam M.R., Gao J. (eds) **The Palgrave Handbook of Global Social Problems**. Palgrave Macmillan, Cham, 2022. https://doi.org/10.1007/978-3-030-68127-2_280-1 (joint with L. Gorjón & S. De la Rica).
5. La Evaluación del Bienestar, **Ekonomiaz**, nº 101, pp. 31-55, 2022.
6. Dealing with Categorical Data in a Multidimensional Context. The Multidimensional Balanced Worth, **Social Science Research**, vol. 26, Article 102561, 2021 (with C. Herrero).
7. Sobre la Tiranía del Mérito, **Doxa, Cuadernos de Filosofía del Derecho**, vol. 45, pp. 476-475, 2021.
8. Opportunity advantage between income distributions, **Journal of Economic Inequality**, Online July 2021, <https://doi.org/10.1007/s10888-021-09488-5> (with C. Herrero).

9. Group decisions from individual rankings: The Borda-Condorcet rule, **European Journal of Operational Research**, vol. 291, pp. 757-765, 2021 (with. C. Herrero).
10. Educational achievements in the OECD according to PISA 2018, **Advances in Social Sciences Research Journal**, vol. 7(9), pp. 486-498 (with R. Martínez).
11. Tracking progress towards accessible, green and efficient energy: The Inclusive Green Energy index, **Applied Energy**, (with C. Herrero, J. Pineda & E. Zambrano).
<https://www.sciencedirect.com/science/article/pii/S0306261920311879>
12. A synthetic indicator on the impact of COVID-19 on the community's health, **PLOS ONE**, 15 (9), 2020: e0238970 (with C. Herrero).
<https://doi.org/10.1371/journal.pone.0238970>
13. The cost of unemployment from a social welfare approach: the case of Spain and its regions, **Social Indicators Research**, vol. 150, pp. 955-976, 2020 (with S. De la Rica y L. Gorjón).
14. Formación Superior y Mercado Laboral: La Universidad Española frente a la Cuarta Revolución Industrial, **Papeles de Economía Española**, nº 166, pp. 105-122, 2020.
15. On the Wondrous Behaviour of Rats and Researchers, **Modern Economy**, vol. 11, pp. 10-16, 2020.
16. Green Economy Measurements and Indicators, Chapter 10, in: Eaton, D., & Sheng, F. (Eds.) (2019), **Inclusive Green Economy: Policies and Practice**, Dubai, Shanghai: Zayed International Foundation for the Environment & Tongji University (with C. Herrero, J. Pineda y E. Zambrano).
17. Population structure and the Human Development Index, **Social Indicators Research**, vol. 141, pp. 731-763, 2019 (with C. Herrero and R. Martínez).
18. Rendimiento, Equidad y Calidad: El desarrollo educativo en España según PISA 2015, **Cuadernos Económicos**, 2018, nº 95, pp. 79-97.
19. Human Development and Poverty: Theoretical Approaches, in C. D'Ambrosio (Ed), **Handbook of Research on Economic and Social Well-being**, Edward Elgar, 2018, pp. 104-125 (with S. Seth).
20. Human Development and Poverty: Empirical Findings, in C. D'Ambrosio (Ed), **Handbook of Research on Economic and Social Well-being**, Edward Elgar, 2018, pp. 126-152 (with S. Seth).
21. The Balanced Worth: A procedure to evaluate performance in terms of ordered attributes, **Social Indicators Research**, vol. 140, pp. 1279-1300, 2018 (with C. Herrero).
22. The Herrero-Villar Approach to Citation Impact, **Journal of Informetrics**, vol. 11, pp. 625-640, 2017 (with P. Albarrán, C. Herrero & J. Ruiz-Castillo).

23. Performance, Inclusion and Excellence: An Index of Educational Achievements for PISA, **Advances in Social Sciences Research Journal**, vol. 4, pp. 100-125, 2017.
24. Challenges to quality and equity in educational performance for Latin America, a PISA 2012 perspective, **RELIEVE (e-Journal of Educational Research, Assessment and Evaluation)**, 2016 (with P. Zoido) DOI: <http://dx.doi.org/10.7203/relieve.22.1.8273>
25. Educational poverty as a welfare loss: Low performance in the OECD according to PISA 2012, **Modern Economy**, 7, 441-449, 2016.
26. How bad is being poor for educational performance? A message from PISA 2012. **Advances in Social Sciences Research Journal**, vol. 3, n. 3, 2016.
27. Appointment of High Court Judges by Political Parties, **SERIEs**, vol. 6, pp. 91-99, 2015 (with N. Porteiro).
28. No es País para Jóvenes, **Panorama Social**, vol. 20, Segundo semestre, pp. 53-69, 2014.
29. Analysis of Group Performance with Categorical Data when Agents are Heterogeneous: The Evaluation of Scholastic Performance in the OECD through PISA, **Economics of Education Review**, vol. 40, pp. 140-151, 2014 (with C. Herrero and I. Méndez).
30. Education and Cognitive Skills in the Spanish Adult Population. Intergenerational Comparison of Mathematical Knowledge from PIAAC Data, **Advances in Social Sciences Research Journal**, vol. 1, nº 1, pp. 72-88, 2014.
31. Equality of Opportunity with Categorical Data, **Lecturas de Economía**, vol. 81, pp. 9-30, 2014 (with C. Herrero).
32. Igualdad de Oportunidades Educativas: Los Resultados de PISA 2012 en España, **Avances en Supervisión Educativa**, nº 20, Mayo 2014.
33. On the Comparison of Group Performance with Categorical Data, **PLoS ONE**, 8(12): e84784. doi:10.1371/journal.pone.0084784, 2013 (with C. Herrero).
34. Rendimiento, Esfuerzo y Productividad: Análisis de los resultados en matemáticas de los estudiantes españoles según PISA 2012, en INEE (2013), **PISA 2012: Programa Internacional para la Evaluación de los Alumnos. Informe Español**, vol II, Madrid 2013.
35. Desarrollo y Pobreza en España y sus Comunidades Autónomas, **Papeles de Economía Española**, nº 138, February 2014 (with C. Herrero & A. Soler).
36. The Educational Development Index, **Modern Economy**, vol. 4, pp. 403-411, 2013.
37. A Newer Human Development Index, **Journal of Human Development and Capabilities**, vol. 13, pp. 247-268, 2012 (with C. Herrero & R. Martínez).

38. Who Meets the Standards: A Multidimensional Approach, **Modern Economy**, vol. 2, n^o 4, pp. 614-624, 2011.
39. Improving the Measurement of Human Development, **Human Development Reports Research Papers 2010-12** (with C. Herrero and R. Martínez).
40. Multidimensional Social Evaluation. An Application to the Measurement of Human Development, **Review of Income and Wealth**, vol. 56, pp. 483-497, 2010 (with C. Herrero and R. Martínez).
41. Discriminación Social e Igualdad de Oportunidades, en A. Villar (ed), **Mujer y Mercado de Trabajo en España**, Fundación BBVA (with F. Goerlich).
42. The Rights-Egalitarian Solution for NTU Sharing Problems, **International Journal of Game Theory**, vol. 39, pp. 137-150, 2010 (with C. Herrero).
43. Desigualdad y Bienestar en España y sus Comunidades Autónomas (1973-2000), **Revista de Economía Aplicada**, vol. 17, pp. 119-152, 2009 (with F. Goerlich).
44. Mathematics and Markets: Existence and Efficiency of Competitive Equilibrium, in J.M. Delgado Sánchez and T. Domínguez Benavides (eds.), **Advanced Courses in Mathematical Analysis III**, World Scientific, 2008.
45. New Characterizations of a Classical Bankruptcy Rule, **Review of Economic Design**, vol. 10, pp. 73-84, 2007 (with J.D. Moreno-Ternero).
46. The TAL-Family of Rules for Bankruptcy Problems, **Social Choice and Welfare**, vol. 27, pp. 231-249, 2006 (with J. Moreno-Ternero).
47. On the Relative Equitability of Some Taxation Rules, **Journal of Public Economic Theory**, vol. 8, pp. 283-291, 2006 (with J.D. Moreno-Ternero).
48. Decision Theories and Probabilistic Insurance: An Experimental Test, **Spanish Economic Review**, vol. 8, pp. 35-52, 2006 (with C. Herrero and J. Tomás).
49. A Non-Cooperative Approach to Bankruptcy Problems, **Spanish Economic Review**, vol. 8, pp. 189-197, 2006 (with I. García-Jurado and J. González-Díaz).
50. On the Welfare Evaluation of Income and Opportunity, **Contributions to Theoretical Economics**, vol. 5, issue 1, 2005.
51. The Nash Rationing Problem, **International Journal of Game Theory**, vol. 33, pp 367-377, 2005 (with M. Mariotti).
52. A Non-Substitution Theorem with Non-Constant Returns to Scale and Externalities, **Metroeconomica**, vol. 56, pp. 25-36, 2005 (with T. Fujimoto and J.A. Silva).
53. The Talmud Rule and the Securement of Agents' Awards, **Mathematical Social Sciences**, vol. 47, pp. 245-257, 2004 (with J. Moreno-Ternero).
54. A Generalization of Theorems on Inverse Positive Matrices, **The Kagawa University Economic Review**, vol. 76, pp. 285-292, 2003 (with T. Fujimoto and J.A. Silva).

55. La Evaluación de la Investigación en Economía, **Revista Valenciana de Economía y Hacienda**, nº 8, pp. 97-133, 2003.
56. A Complete Characterization of Economies with the Non-Substitution Property, **Economic Issues**, vol. 8, pp. 63-71, 2003 (with T. Fujimoto, C. Herrero, R. Ranade and J.A. Silva).
57. Nonlinear Generalizations of Theorems on Inverse-Positive Matrices, **Advances in Mathematical Economics**, vol. 5, pp. 55-63, 2003 (with T. Fujimoto and J.A. Silva).
58. The Generalized Linear Production Model: Solvability, Nonsubstitution and Productivity Measurement, **Advances in Theoretical Economics**, vol. 3, Issue 1, Article 1, 2003.
59. Capital Humano y Estructura Productiva en España, 1990-2000, **Revista Valenciana de Economía y Hacienda**, Nº 6, pp. 127-145, 2002.
60. Sustainability in Bankruptcy Problems, **TOP**, vol. 10, No. 2, pp. 261-273, 2002 (with C. Herrero).
61. The Three Musketeers: Four Classical Solutions to Bankruptcy Problems, **Mathematical Social Sciences**, vol. 42, pp. 307-328, 2001 (with C. Herrero).
62. On the Efficiency of Market Equilibrium in Production Economies, **Journal of Global Optimization**, vol. 20, pp. 375-389, 2001.
63. An Alternative Characterization of the Equal-Distance Rule in Allocation Problems with Single-Peaked Preferences, **Economics Letters**, vol. 66, pp. 311-317, 2000 (with C. Herrero).
64. Equilibrium in Semimonotone Market Games, **Optimization**, vol. 47, pp. 235-250, 2000.
65. Individual Rights and Collective Responsibility: The Rights-Egalitarian Solution, **Mathematical Social Sciences**, vol. 37, pp. 59-77, 1999 (with C. Herrero y M. Maschler).
66. The Equal-Distance Rule in Allocation Problems with Single-Peaked Preferences, en A. Alkan, R. Aliprantis & N.C. Yannelis, **Current Trends in Economics: Theory and Applications**, Springer-Verlag, 1999 (with C. Herrero).
67. Valuation Equilibrium Revisited, en A. Alkan, R. Aliprantis & N.C. Yannelis, **Current Trends in Economics: Theory and Applications**, Springer-Verlag, 1999 (with P. Hammond).
68. Efficiency with Nonconvexities: Extending the "Scandinavian Consensus" Approaches, **The Scandinavian Journal of Economics**, vol. 100, pp. 11-32, 1998 (with P. Hammond). Reprinted in T. M. Andersen & K. O. Moene (eds.), **Public Policy and Economic Theory**, Blackwell, Oxford, 1998.
69. A Comment on Rights, Exchange and Externalities, en J.F. Laslier *et al* (Eds.), **Freedom in Economics**, London, Routledge, 1998.
70. Equilibrium with Nonconvex Technologies, **Economic Theory**, vol. 4, pp. 629-638, 1994.

71. La Asistencia Sanitaria como un Problema de Asignación en Presencia de Objetivos Inalcanzables, en G. López Casanovas (Ed.), **Análisis Económico del Sector Sanitario**, Barcelona, Servei Català de la Salut, 1994 (with C. Herrero).
72. Existence and Efficiency of Equilibrium in Economies with Increasing Returns to Scale: An Exposition, **Investigaciones Económicas**, vol. 18, pp. 203-242, 1994.
73. Linear Joint Production Models, **Economic Theory**, vol. 3, pp. 735-742, 1993 (with J.E. Peris).
74. La Medición del Bienestar Mediante Indicadores de Renta Real: Caracterización de un Índice de Bienestar Tipo Theil, **Investigaciones Económicas**, vol. 17, pp. 163-173, 1993 (with J.M. Tomás).
75. Asignaciones Igualitarias y Eficientes en Presencia de Externalidades, **Revista Española de Economía**, vol. 9, pp. 115-127, 1992 (with C. Herrero).
76. El Reparto del Fondo de Compensación Interterritorial entre las Comunidades Autónomas, **Hacienda Pública Española**, nº monográfico de 1992, pp. 113-125 (with C. Herrero).
77. Sobre la Distribución Justa de un Pastel en Presencia de Externalidades, **Investigaciones Económicas**, vol. 16, pp. 393-400, 1992 (with C. Herrero).
78. On Technical Change, Differential Rates of Profit and Exploitation, **The Kagawa University Economic Review**, vol. 64(4), pp. 205-218, 1992 (with R. Ranade).
79. A General Equilibrium Model with Increasing Returns, **Revista Española de Economía**, vol. 8, pp. 177-191, 1991.
80. Vector Mappings with Diagonal Images, **Mathematical Social Sciences**, vol. 22, pp. 57-67, 1991 (with C. Herrero).
81. Principios para la Distribución del Gasto entre Comunidades Autónomas, **Revista Valenciana de Hacienda Pública**, nº 13, pp. 249-275, 1991 (with C. Herrero).
82. Nonlinear Operators in Euclidean Spaces: An Elementary "Users Guide" for Economists, **Mathematical Social Sciences**, vol. 19, pp. 281-292, 1990.
83. Comparaciones de Renta Real y Evaluación del Bienestar, **Revista de Economía Pública**, vol. 2, pp. 79-101, 1989 (with C. Herrero).
84. La Lógica de la Elección Social: Una Revisión de los Resultados Básicos, **Investigaciones Económicas**, vol. 12, pp. 3-44, 1988.
85. General Equilibrium in a Nonlinear Leontief Framework, **The Manchester School**, vol. 56, pp. 159-167, 1988 (with C. Herrero).
86. A Characterization of Economies with the Non-Substitution Property, **Economics Letters**, vol. 26, pp. 147-152, 1988 (with C. Herrero).

87. On the Existence of Pareto Optimal Allocations when Individual Welfare Depends on Relative Consumption, **Journal of Public Economics**, vol. 36, pp. 387-397, 1988.
88. Nonlinear Leontief Models without the Monotonicity of Input Functions, **The Kagawa University Economic Review**, vol. 59(4), pp. 31-40, 1987 (with T. Fujimoto).
89. An Easy Approach to a Nonlinear Input-Output Model, **The Kagawa University Economic Review**, vol. 59(1), pp. 125-129, 1986 (with T. Fujimoto).
90. Comparing Solutions of Equation Systems Involving Semipositive Operators, **Portugaliae Mathematica**, vol. 43, pp. 131-137, 1985-86 (with C. Herrero y T. Fujimoto).
91. A Sensitivity Analysis for Linear Systems Involving M-Matrices and its Application to the Leontief Model, **Linear Algebra and its Applications**, vol. 64, pp. 85-91, 1985 (with C. Herrero y T. Fujimoto).
92. A Sensitivity Analysis in a Nonlinear Leontief Model, **Journal of Economics (Z. für Nat.)**, vol. 45, pp. 23-26, 1985 (with C. Herrero y T. Fujimoto).
93. Un Modelo Input-Output No Lineal, **Revista Española de Economía**, vol. 2, pp. 333-345, 1985 (with C. Herrero).
94. Sistema de Precios y Selección de Técnicas, **Revista de Economía y Empresa**, vol. 2, pp. 27-35, 1984 (with C. Herrero y T. Fujimoto).
95. Integración del Mercado Monetario en un Modelo Sraffa-Leontief, **Moneda y Crédito**, nº 170, pp. 57-72, 1984.
96. Estabilidad y Desequilibrio en un Modelo de Oferta Multimercado, **Cuadernos de Ciencias Económicas y Empresariales**, nº 14, pp. 41-74, 1984 (with C. Herrero).
97. Technical Changes and their Effect on the Price Structure, **Metroeconomica**, vol. 35, pp. 123-127, 1983 (with C. Herrero and T. Fujimoto).
98. Producción, Demanda Efectiva y Variación de Existencias, **Estadística Española**, vol. 95, pp. 85-102, 1982.
99. Ajustes en la Oferta Mediante Variaciones en las Existencias, **Publicaciones de la Sección de Matemáticas de la Universidad de Valladolid**, nº 5, pp. 73-89, 1982 (with C. Herrero).
100. The Selection of Techniques in Multisectoral Models of Simple Production: A Mathematical Revision, **Metroeconomica**, vol. 32, pp. 155-171, 1980 (with C. Herrero e I. Jiménez Raneda).

Ongoing research

1. Sports competitions and the Break-even rule, en col. con C. Herrero.

2. The long-lasting scar of bad jobs in the Spanish labour market, en col. con L. Gorjón, A. Osés y S. de la Rica.
3. Rating alternatives pairwise, en col. con C. Herrero.
4. From votes to Parliament seats, en col. con P. Albarrán y C. Herrero.
5. On the effectiveness of the Minimal Income Schemes: evidence from the Basque Country, en col. con G. Romero y L. Gorjón.
6. On the evaluation of financial assets, con A. León y C. Herrero.
7. The Multivac approach to social choice.
8. The welfare cost of poverty.

Further academic activities

Administrative duties

- **Secretary of the “Facultad de Ciencias Económicas y Empresariales”** (University of Alicante), 1983-85.
- **Secretary of the Economics Department** (*Departamento de Fundamentos del Análisis Económico*) at the University of Alicante, 1987-90.
- **Coordinator** of the working papers collection **A Discusión**, 1986-92, and 1995 - 2005.
- **Head of the Economics Department** (*Departamento de Fundamentos del Análisis Económico*) at the University of Alicante, 1994-97.
- **Vice-Dean of the “Facultad de Ciencias Económicas y Empresariales”** (University of Alicante), 1998-2002.
- **Head of the Economics Department** (*Departamento de Fundamentos del Análisis Económico*) at the University of Alicante, 2003-2005.
- **Head of the Economics Department** (*Área de Análisis Económico*) at the University Pablo de Olavide (2005-2007).
- **Vice-Rector of Research and Technological Transfer**, Universidad Pablo de Olavide (2007-2010).
- **Rector’s delegate for strategic projects**, Universidad Internacional de Andalucía (2019 - 2022).
- **Director of the Support Center for Research** (Centro Especializado de Apoyo a la Investigación), Universidad Internacional de Andalucía (2022 - 2023).

Congress organization:

- **Secretary** of the *International Conference on Social Choice and Welfare* (Valencia, 1989).

- **Director** of *Game Theory and Applications* (Alicante, 1990).
- **Local organizer** of the *91 Winter Symposium of the Econometric Society* (Alicante, 1991).
- **Coordinator** of the *Conference on Increasing Returns* (Alicante, 1991) and the *Workshop on General Equilibrium* (Alicante, 1993).
- **Local organizer** of the *96' ASSET Meeting* (Alicante, 1996).
- **Local organizer** of the *V Social Choice and Welfare Meeting* (Alicante, 2000).
- **Local organizer** of the *Simposio de Análisis Económico* (Alicante, 2001).
- **Coordinator** of *The Economics of Education: An International Workshop* (Alicante, 2002).
- **Coordinator** of the workshop: *La Desigualdad de Rentas como un Cuestión Económica y Política: Género y Territorio* (FBBVA-Ivie, UPO, Sevilla 2006).
- **Coordinator** of the Meeting: *Consolider: Una ventana a la Ciencia de Frontera*, Universidad Internacional Menéndez Pelayo (Santander, 2007).
- **Coordinator** of the *III International Course of Mathematical Analysis*, Universidad Internacional de Andalucía, La Rábida (Huelva), 2007.
- **Coordinator** of the I Escuela de Energía y Cambio Climático, Fundación Focus Abengoa-UIMP (Sevilla, Abril de 2008).
- **Local organizer** of the European Society for Population Economics Conference, Sevilla, 2009.

Evaluation and assessment

- **Referee** for the following **Journals**: *American Economic Review, Econometrica, Berkeley Electronic Press Journals in Theoretical Economics, Computers and International Engineering, Economic Theory, Games and Economic Behavior, Higher Education Policy, International Economic Review, International Journal of Game Theory, International Transactions in Operational Research, Investigaciones Económicas, Journal of Economic Surveys, Journal of Economic Theory, Journal of Human Development and Capabilities, Journal of Mathematical Economics, Journal of Political Economy, Journal of Public Economics, Manchester School, Mathematical Social Sciences, Mathematical Programming, Metroeconomica, Oxford Economic Papers, Regional Studies, Revista de Economía Aplicada, Social Choice and Welfare, Social Indicators Research, Spanish Economic Review, TOP.*
- **Referee** for the “Agencia Nacional de Evaluación Prospectiva” and the European programs SPES and Training and Mobility of Researchers.
- **Member of the Editorial Board** of *Investigaciones Económicas* (1990-95).
- **Expert** in the Economics and Social Studies Program, within the Spanish “National Plan of Science and Technology” (1996-1999).
- **Expert** in the committees for the Spanish Government bilateral agreements for the mobility of researchers with France, Great Britain and Germany.

- **Secretary (1989-91) and President (1995-97) of the Economics Panel** of the Spanish National Science Foundation.
- **Member (2001) and Secretary (2002) of the Economics Panel** of the National Committee for the Evaluation of Research Activity (CNEAI).
- **Coordinator** of the research funds “Ayudas de Investigación” of the Instituto Valenciano de Investigaciones Económicas.
- **Evaluation Coordinator** (2003-2004) of the Valencian Agency for Science and Technology (*Agencia Valenciana de Ciencia y Tecnología*).
- **Expert** of Social Sciences for the *Comisión Interministerial de Ciencia y Tecnología*.
- **Coordinator of the *Consolider Research Program*** (Ministerio de Educación y Ciencia) (2005-2007).
- **Advisor** of the Spanish Ministerio de Educación y Ciencia (2005-2007).
- **Member of the *European Strategy Forum for Research Infrastructures*** (2012).
- **Associate Editor** of the Journals *Lecturas de Economía* and *TOP*.
- **Member of the Spanish Committee for the Evaluation of Research Infrastructures**, Ministerio de Economía e Innovación (2013-2019).
- **External Consultant for the United Nations Development Program**, regarding the re-design of the Human Development Index (2010 and 2018).
- **External Consultant for the United Nations Environmental Program**, regarding the design of an indicator for the Green Economy (2016).

Others

2010 Andalusian Prize for distinguished research in Social Sciences and Humanities.