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Date of birth: March 25th, 1964
Citizenship: Spanish

Education

1990–1995:	Ph.D. in Economics, Universidad de Valladolid
1988–1990:	M.A. in Economics, U. Valladolid
1983–1988:	B.A. in Mathematics, U. Valladolid

Academic positions

2017–	Professor, Department of Economics, UC3M
2017–	Director of the Postgraduate School of Economics and Political Science, UC3M
2008–2017	Associate Professor, Department of Economics, UC3M
2016–2017	Associate Dean of the dual Bachelor in Int. Studies and Economics, UC3M
2013–2017	Associate Dean of the dual Bachelor in Law, UC3M
2012–2013	Sabbatical leave. Department of Economics, Indiana University
2008–2012	Associate Dean of the Bachelor in Economics at UC3M
2004–2008	Visiting Professor, Department of Economics UC3M
1996–2004	Associate Professor at Universidad de Valladolid
1988–1996	Assistant Professor at Universidad de Valladolid

Refereed journal articles

1. Rincón-Zapatero, J.P. (in press) "Differentiability of the value function and Euler equation in non-concave discrete time stochastic dynamic programming," *Economic Theory Bulletin*.

2. Josa-Fombellida, R., Rincón-Zapatero, J.P. (2019) "Certainty equivalence principle in stochastic differential games: an inverse problem approach," *Optimal Control Applications and Methods* 40(3), 545-557.

3. Josa-Fombellida, R., Rincón-Zapatero, J.P. (2019) " Equilibrium strategies in a defined benefit pension plan game," *European Journal of Operational Research* 275(1), 374-386.

4. López-Casado, P., Josa-Fombellida, R., Rincón-Zapatero, J.P. (2018) "Portfolio optimization in a defined benefit pension plan where the risky assets are processes with constant elasticity of variance," *Insurance: Mathematics and Economics* 82(Sep), 73-86.

5. Rincón-Zapatero, J.P., Zhao, Y. (2018) "Envelope theorem in dynamic economic models with recursive utility," *Economics Letters* 163(Feb), 10-12.

6. Josa-Fombellida, R., Rincón-Zapatero, J.P. (2018) "Stochastic differential games for which the open-loop equilibrium is subgame-perfect," *Dynamic Games and Applications* 8(2), 379-400.

7. Josa-Fombellida, R., Rincón-Zapatero, J.P. (2015) "Euler-Lagrange equations of stochastic differential games: application to a game of a productive asset," *Economic Theory* 59(1), 61-108.

8. Rincón-Zapatero, J.P., Santos, M.S. (2012) "Differentiability of the value function in continuous-time economic models," *Journal of Mathematical Analysis and Applications*, 394(1), 305-323.

9. Josa-Fombellida, R., Rincón-Zapatero, J.P. (2012) "Stochastic pension funding when the benefit and the risky asset follow jump diffusion processes," *European Journal of Operational Research*, 220(2), 404-413.

10. Josa-Fombellida, R., Rincón-Zapatero, J.P. (2010) "Optimal asset allocation for aggregated defined benefit pension funds with stochastic interest rates," *European Journal of Operational Research*, 201(1), 211-221.

11. Josa-Fombellida, R., Rincón-Zapatero, J.P. (2010) "On a PDE arising in one-dimensional stochastic control problems," *Journal of Optimization Theory and Applications*, 147(1), 1-26.

12. Rincón-Zapatero, J.P., Santos, M.S. (2009) "Differentiability of the value function without interiority assumptions," *Journal of Economic Theory* 144(5), 1948-1964.

13. Crespo, J.A., Núñez, C., Rincón-Zapatero, J.P. (2009) "On the impossibility of representing infinite utility streams," *Economic Theory* 40(1), 47-56.

14. Rincón-Zapatero, J.P., Rodríguez-Palmero, C. (2009) " Corrigendum to "Existence and Uniqueness of Solutions to the Bellman Equation in the Unbounded Case"," *Econometrica* 77(1), 317–318.

15. Josa-Fombellida, R., Rincón-Zapatero, J.P. (2008) "Mean-variance portfolio and contribution selection in stochastic pension funding," *European Journal of Operational Research*, 187(1), 120-137.

16. Josa-Fombellida, R., Rincón-Zapatero, J.P. (2008) "Funding and investment decisions in a stochastic defined benefit pension plan with several levels of labor-income earnings," *Computers & Operations Research*, 35(1), 47-65.

17. Josa-Fombellida, R., Rincón-Zapatero, J.P. (2007) "New approach to stochastic optimal control," *Journal of Optimization Theory and Applications*, 135(1), 163-177.

18. Rincón-Zapatero, J.P., Rodríguez-Palmero, C. (2007) "Recursive utility with unbounded aggregators," *Economic Theory* 33, 381-391.

19. Josa-Fombellida, R., Rincón-Zapatero, J.P. (2006) "Optimal investment decisions with a liability: The case of defined benefit pension plans," *Insurance: Mathematics and Economics*, 39(1), 81-98.

20. Martín-Herrán, G., Rincón-Zapatero, J.P. (2005) "Efficient Markov perfect Nash equilibria: theory and application to dynamic fishery games," *Journal of Economic Dynamics and Control* 29, 1073-1096.

21. Rincón-Zapatero, J.P. (2004) "Characterization of Markovian equilibria in a class of differential games," *Journal of Economic Dynamics and Control* 28, 1243-1266.Economics.

22. Josa-Fombellida, R., Rincón-Zapatero, J.P. (2004) "Optimal risk management in defined benefit stochastic pension funds," *Insurance: Mathematics and Economics*, 34, 489-503.

23. Rincón-Zapatero, J.P., Martín-Herrán, G. (2003) "Direct method comparing efficient and nonefficient payoffs in differential games," *Journal of Optimization Theory and Applications*, 119(2), 695-405.

24. Rincón-Zapatero, J.P., Rodríguez-Palmero, C. (2003) "Existence and uniqueness of solutions to the Bellman equation in the unbounded case," *Econometrica* 71(5), 1519-1555.

25. Josa-Fombellida, R., Rincón-Zapatero, J.P. (2001) "Minimization of risks in pension funding by means of contributions and portfolio selection," *Insurance: Mathematics and Economics*, 29(1), 35-45.

26. Rincón-Zapatero, J.P., Martín-Herrán, G., Martínez, J. (2000) "Identification of efficient subgame-perfect Nash equilibria in a class of differential games," *Journal of Optimization Theory and Applications*, 104(1), 235-242.

27. Rincón-Zapatero, J.P., Martínez, J., Martín-Herrán, G. (1998) "New method to characterize subgame perfect Nash equilibria in differential games," *Journal of Optimization Theory and Applications*, 96(2), 377-395.

Professional activities

- Referee reports for

  Annals of Operations Research, Applied Mathematics and Computation, Applied Mathematics E Notes, Astin Bulletin, Econometrica, Economics Letters, Economic Theory, Economic Theory Bulletin, Emerging Markets Finance and Trade, ESAIM: Control, Optimisation and Calculus of Variations, European Journal of Operational Research, Insurance: Mathematics and Economics, International Game Theory Review, Investigaciones Económicas, Journal of Economic Dynamics and Control, Journal of Economic Theory, Journal of Industrial and Management Optimization, Journal of Mathematical Economics, Journal of Mathematical Psychology, Journal of Optimization Theory and Applications, Journal of Pension Economics and Finance, Macroeconomic Dynamics, Mathematics and Computers in Simulation, Quantitative Finance, Review of Economic Dynamics, Rince, Statistics and Probability Letters, The B.E. Journal of Theoretical Economics.

- Project Evaluation National Agency (ANEP).

- Reviewer for Mathematical Reviews (61 reviews) https://mathscinet.ams.org/mathscinet/search/author.html?mrauthid=631062 .

- Outstanding Referee Award 2007 *Journal of Economic Dynamics and Control.*

- Organizer of the session "New Trends in Recursive Methods in Economics", within the 19th SAET Conference, Ischia, 2019.

- Organizer of the session "Dynamic Programming", within the 17th SAET Conference, Faro, 2017.

- Organizer of the session “Dynamic Programming”, within the 16th SAET Conference, Rio de Janeiro, 2016.
- Co-organizer with Takashi Kamihigashi of the sessions “Dynamic Programming” and “Dynamic Stochastic Models”, within the 15th SAET Conference, to be held in Cambridge UK, 2015.
- Organizer of the session “Dynamic Programming”, within the 13th SAET Conference, Paris, 2013.
- Organizer of the stream “Actuarial Science and Stochastic Calculus”, within the XXVI European Conference on Operational Research, Rome, 2013.
- Organizer of the stream “Actuarial Science and Stochastic Calculus” (three sessions), within the XXV European Conference on Operational Research, Vilnius 2012.
- Organizer of the session “Dynamic Programming: Theory and Applications”, within the 11th SAET Conference, Faro, 2011.
- Organizer of the stream “Actuarial Science and Stochastic Calculus” (three sessions), within the XXIV European Conference on Operational Research, Lisbon 2010. Organizer and chair of the session ”Stochastic Methods in Finance and Economics”, joint with Ricardo Josa–Fombellida.

Research Grants

1. Head researcher of project ECO2017-86261-P “Dynamic Economic Theory”, financed by Ministerio de Economía, Industria y Competitividad, 2018–2020.
2. Head researcher of project ECO2014-56384-P “Dynamic Economic Theory II: Methods and Models in Macro, Finance and Repeated Games”, financed by Ministerio de Ciencia e Innovación, 2015–2017.
3. Head researcher of project ECO2011-24200 “Dynamic Economic Theory: Methods and Models in Macro, Finance and Repeated Games”, financed by Ministerio de Ciencia e Innovación, 2012–2014.
4. Head researcher of project ECO2008-02358 “Direct characterization of optimal policies in dynamic economic models”, financed by Ministerio de Ciencia e Innovación, 2009–2011.
5. Head researcher of project MTM2005–06534 “Solución de problemas de control óptimo estocástico mediante ecuaciones en derivadas parciales semilineales y cuasilineales de segundo orden,” financed by Ministerio de Educación y Ciencia, 2006–2008.
6. Head researcher of project BFM2002–00425 “Una nueva caracterización de optimalidad en problemas de control óptimo estocástico,” financed by Ministerio de Educación y Teconología, 2003–2005.