

# José María Da Rocha

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## Education

- Ph.D. in Economics, Universidade de Vigo, Sept 1993. Supervisor: Prof Inés Macho.
- B.Sc. in Economics, Universidade Santiago de Compostela, 1987.

## Academic Positions, Appointments and Awards

- Visiting Profesor at Universidad Autónoma de Barcelona, Universidad Carlos III de Madrid and Centro de Investigación Económica (ITAM).
- Spanish Research System. 6 Sexenios : 1991-1996, 1997-2002, 2003-2008, 2009-2014, 2015-2020 (Research) and 1995-2005 (R&D).
- Selected in 2022 for the EAERE Award for Outstanding Publication in ERE.

## JCR Published Papers

Q1, Q2 , Q3 and Q4 JCR Impact Factor

45. Policy Distortions and Aggregate Productivity with Endogenous Establishment-Level Productivity (with D. Restuccia and M. M.Tavares). *European Economic Review* Volume 155, (2023) 104444 [2022 Impact Factor: 2.445 Q2 (164/381), Economics]
44. Strengthening European Union sheries by removing harmful subsidies with S. Villasante, R. Sumaila, J. Guillen, N. Carvalho, D. J. Skerritt, A. Schuhbauer, A.M. Cisneros-Montemayor, N.J. Bennett, Q. Hanich, R. Prellezo , at *Marine Policy*, Volume 136, (2022), 104884. [2019 Impact Factor: 4.173. Q1 (8/95), International Relations]
43. A constructive critique of the World Trade Organization draft agreement on harmful fisheries subsidies, with A.M. Cisneros-Montemayor, H. Sinan, T. Nguyen, J. M. Da Rocha, U. R. Sumaila, D.J. Skerritt, A. Schuhbauer, E. Sanjurjo and M Bailey., at *Marine Policy*, Volume 135, (2022), 104872. [2019 Impact Factor: 4.173. Q1 (8/95), International Relations]
42. Dynamics Integrated Model for Assessing Fisheries: discard Bans as an Implicit Value Added Tax”, with F.J. García-Cutrín, M. J. Gutiérrez . R. Prellezo and E. Sánchez *Environmental and Resource Economics* Volume 80(1), 1-20 (2021) [2021 Impact Factor: 4.955. Q1 (54/379), Economics]
41. Putting Land to Work: An Evaluation of the Economic Effects of Recultivating Abandoned Farmland with E. Corbelle, P.Sánchez, E Lopez and S. Lago, at *Land Policy* (2021) [2020 Impact Factor: 5.54. Q1 (23/125), Environmental Studies]
40. Rapid Assessment of the COVID-19 Impacts on the Galician (NW Spain) Seafood Sector, with S. Vikasante, A. Tubio, A. Aisenworth, P- Pita and M. Antelo. *Frontiers in Marine Science*, 8:737395 (2021) [2020 Impact Factor: 4.91. Q1 (6/111), Marine & Freshwater Biology]

39. Input controls and overcapitalization: a general equilibrium analysis of the Spanish Mediterranean Sea fisheries, with J. Sempere, R. Pallezo and L. Taboada-Antelo. *Fisheries Research* Volume 228, August 2020, 105559 [2019 Impact Factor: 2.147. Q2 (18/53), Fisheries]
38. Firing Costs, Misallocation, and Aggregate Productivity (with D. Restuccia and M. M.Tavares). *Journal of Economic Dynamics and Control* 68, 60-81 (2019) [2019 Impact Factor: 1.204. Q3 (214/373), Economics]
37. A bayesian estimation of the economic effects of the Common Fisheries Policy on the Galician Fleet: a dynamic stochastic general equilibrium approach, (with E. Colla-de-Robertis, F.J. García-Cutrín, M. J. Gutiérrez and R.Pallezo). *Ocean and Coastal Management* 167, 137-144 (2019) [2019 Impact Factor: 2.482. Q2 (33/94), Water Resources]
36. (Blue) growth accounting in European Union small scale fleets, (with J. Guillen and R.Pallezo). *Marine Policy* 100, 200-206 (2019) [2019 Impact Factor: 3.228. Q1 (7/95), International Relations]
35. Mitigating unwanted catches in the Southern Iberian Hake Stock fisheries: Improving fishing technology vs market control policies (with F.J. García and M.J. Gutiérrez). *Scientia Marina* 82S1, 63-74 (2018) [2018 Impact Factor: 1.252. Q3 (68/108), Marine and Freshwater biology]
34. Integrated ecological–economic fisheries models—Evaluation, review and challenges for implementation (with Nielsen J.R., Thunberg, E., Holland D., Schmidt J.O., Bastardie F., Andersen J.L., Bartelings H., Bertignac M., Bethke E., Buckworth R., Carpenter G., Deng R., Dichmont C., Doering R., Esteban A., Frost H., Fulton E.A., García D., Gasche L., Gascuel D., Gourguet S., Groeneveld R.A., Guillen J., Guyader O., Hamon K., Hoff A., Horbowy J., Kaplan I.C., Lehuta S., Little, R., Leonart J., Macher C., Mackinson, S., Mahevas S., Marchal, P., Mato-Amboage R., Mapstone B., Maynou F., Merzéréaud M., Palacz A., Pascoe, S., Paulrud A., Pallezo R., Punt A., Quaas M., Ravn-Jonsen L., Sanchez S., Simons S., Thébaud O., Tomczak M., Ulrich C., Van Dijk D., Vermard Y., Voss R., Waldo S). *Fish and Fisheries* 19, 1-19 (2018) [2017 Impact Factor: 6.999. Q1 (2/50), Fisheries]
33. Endogenous Fishing Mortalities: a State-Space Bioeconomic Model (with F. J. García-Cutrín, M. J. Gutiérrez and E. Jardim). *ICES Journal of Marine Science* 74 (9), 2437–2447 (2017) [2017 Impact Factor: 2.906. Q1 (7/50), Fisheries]
32. The Productivity Cost of Sovereign Default: Evidence from the European Debt Crisis (with J. Alonso-Ortiz and E. Colla). *Economic Theory* 64(4), 611–633 (2017) [2017 Impact Factor: 1.108. Q3 (178/353), Economics]
31. ITQs, Firm Dynamics and Wealth Distribution: Does full tradability increase inequality? (with J. Sempere). *Environmental and Resource Economics* 68(2), 249-273 (2017) [2017 Impact Factor: 1.961. Q1 (84/353), Economics]
30. The social cost of fishery subsidy reforms, (with F. J. García-Cutrín, R. Pallezo and J. Sempere). *Marine Policy* 83, 236–246 (2017) [2017 Impact Factor: 2.109. Q1 (18/85), International Relations]
29. A dynamic economic equilibrium model for the economic assessment of the fishery stock-rebuilding policies (with R. Pallezo, J. Sempere and L.T. Antelo). *Marine Policy* 81, 185–195 (2017) [2017 Impact Factor: 2.109. Q1 (18/86), International Relations]
28. Bioeconomic multi-stock reference points as a tool for overcoming the drawbacks of the landing obligation (with D. García, R. Pallezo, P. Sampedro, J. Castro, S. Cerviño, J. García-Cutrín and M. J. Gutiérrez). *ICES Journal of Marine Science* 74(2), 511–524 (2017) [2017 Impact Factor: 2.906. Q1 (7/50), Fisheries]
27. To shape or to be shaped: engaging stakeholders in the fisheries management advice (with P. Sampedro, R. Pallezo, D. García, S. Cerviño, J. Torralba, J. Touza, J. García-Cutrín and M.J. Gutiérrez). *ICES Journal of Marine Science* 74(2), 487–498. IJMS Editor’s Choice (2017) [2017 Impact Factor: 2.906. Q1 (7/50), Fisheries]

26. Fishers' perceptions and the economic impact of the EU discards policy on small-scale fisheries in Galicia (NW Spain) (with S. Villasante, C. Pita, G.J. Pierce, C. Pazos Guimeráns, J. García Rodrigues, M. Antelo, J. García Cutrín, L. C. Hastie, R. Sumaila and M. Coll). *Ecological Economics* 130: 130-138 (2016) [2016 Impact Factor: 2.965. **Q1** (28/347), Economics]
25. To land or not to land: How stakeholders perceive the zero discard policy in European small-scale fisheries? (with S. Villasante, G.J. Pierce, C. Pita, C. Pazos Guimeráns, J. García Rodrigues, M. Antelo, J. García Cutrín, L. C. Hastie, R. Sumaila and M. Coll). *Marine Policy* 71: 166–174 (2016) [2016 Impact Factor: 2.235. **Q1** (13/86), International Relations]
24. On the Benefits of Including Age-structure in Harvest Control Rules (with R. Mato-Amboage). *Environmental and Resource Economics* 64(4): 619-641 (2016) [2016 Impact Factor: 1.582. Q2 (94/347), Economics]
23. Reconciling yield stability with international fisheries agencies precautionary preferences: the role of non constant discount factors in age structured models, (with F. J. García-Cutrín, M. J. Gutiérrez and J. Touza). *Fisheries Research* 173(3): 282–293 (2016) [2016 Impact Factor: 2.185. **Q1** (11/50), Fisheries]
22. Pulse Fishing and stock uncertainty (with L. Nøstbakken and M. Perez). *Environmental and Resource Economics*, 59(2): 257-274 (2014) [2014 Impact Factor: 1.426. **Q1** (76/333), Economics]
21. Economic Effects of Global Warming under Stock Growth Uncertainty: The European Sardine Fishery (with M.J. Gutiérrez and S. Villasante). *Regional Environmental Change*, 14 (1): 195-205 (2014) [2014 Impact Factor: 2.628. **Q1** (23/93), Environmental Studies]
20. The dynamics of an animal-vegetation system: sheep farming (with A. Skonhøft). *Natural Resource Modeling* 27(1): 80-103 (2014) [2014 Impact Factor: 1.196. Q2 (43/99), Mathematics, Interdisciplinary applications]
19. Eficiencia y equilibrio en un modelo de formación de derechos de propiedad (with P. Pujolas and J. Sempere). *El Trimestre Económico*, vol LXXXI(3), n<sup>a</sup> 323, julio-septiembre: 579-593 (2014) [2014 Impact Factor: 0.130. Q4 (319/333), Economics]
18. Self-Fulfilling Crises with Default and Devaluation (with E.L. Giménez and F.X. Lores). *Economic Theory*, 53(3): 499-535 (2013) [2013 Impact Factor: 1.814. **Q1** (57/333), Economics]
17. Selectivity, Pulse and endogenous life span in Beverton Hold models (with M. J. Gutiérrez and L. T. Antelo). *Environmental and Resource Economics*, 54(1):139–154 (2013) [2013 Impact Factor: 1.703. **Q1** (65/333), Economics]
16. Credible Enforcement Policies under illegal fishing: Does ITQs induce to reduce the gap between approved and proposal TACs? (with S. Villasante and R. Trelles). *AMBIO: A Journal of the Human Environment*, 42(8): 1047-1056 (2013) [2013 Impact Factor: 2.973. **Q1** (51/216), Environmental Science]
15. Endogenous fisheries management in a stochastic model: Why do fishery agencies use TACs along with fishing periods? (with M. J. Gutiérrez). *Environmental and Resource Economics*, 53(1): 25-59 (2012) [2012 Impact Factor: 1.795. **Q1** (59/333), Economics]
14. “log MSY” and optimal HCR: new tools for the implementation of the CFP (with M. J. Gutiérrez, S. Cerviño and L.T. Antelo). *Ocean and Coastal Management*, 70: 48-53 (2012) [2012 Impact Factor: 1.597. Q2 (33/80), Water Resources]
13. The Common Fisheries Policy: an enforcement problem (with S. Villasante and S. Cerviño). *Marine Policy*, 36(6): 1309–1314 (2012) [2012 Impact Factor: 2.230. **Q1** (5/83), International Relations]
12. Pulse vs. Optimal Stationary Fishing: The Northern Stock of hake (with M. J. Gutiérrez and L. T. Antelo). *Fisheries Research* 121-122: 51-62 (2012) [2012 Impact Factor: 1.695. Q2 (17/50), Fisheries]
11. Reference points based on dynamic optimization: a versatile algorithm for mixed-fishery management with bio-economic age-structured models (with S. Cerviño and M. J. Gutiérrez). *ICES Journal of Marine Science*, 69(4): 660–669 (2012) [2012 Impact Factor: 2.277. **Q1** (7/50), Fisheries]

10. Policy Distortions and Aggregate Productivity: The Role of idiosyncratic shocks (with P. Pujolas). *The B.E. Journal of Macroeconomics*: Vol. 11: Iss 1(Topics), Article 35. (2011) [2011 Impact Factor: 0.321. Q4 (259/321), Economics]
9. A model of fishing periods applied to the European sardine fishery (with M. D. Garza and M. M. Varela). *Fisheries Research*, 109(1): 16-24 (2011) [2011 Impact Factor: 1.586. Q2 (18/50), Fisheries]
8. Lessons from the Long-Term Management Plan for Northern Hake stock: Could the economic assessment have accepted it? (with M. J. Gutiérrez). *ICES Journal of Marine Science*, 68(9): 1937-1941 (2011) [2011 Impact Factor: 2.007. Q1 (12/50), Fisheries]
7. An endogenous bio-economic optimization algorithm to evaluate recovery plans: an application to southern hake (with M. J. Gutiérrez and S. Cerviño). *ICES Journal of Marine Science*, 67(9): 1957-1962 (2010) [2010 Impact Factor: 1.808. Q1 (10/46), Fisheries]
6. Demografía, educación, cambio estructural y convergencia: Galicia España 2000-2050 (with F. X. Lores). *Revista de Economía Aplicada*, 43, Vol. XV (Invierno):123-144 (2007) [2009 Impact Factor: 0.125. Q4 (234/247), Economics]
5. Why Fertility and Female Participation Rates are Positively Correlated across OECD countries? (with L. Fuster). *International Economic Review*, 47(4): 1187-1222 (2006) [2006 Impact Factor: 1.031. Q2 (51/175), Economics]
4. The Role of Agriculture in Aggregate Business Cycles (with D. Restuccia). *Review of Economic Dynamics*, 9(3): 455-483, (2006) [2006 Impact Factor: 0.835. Q2 (71/175), Economics]
3. The Optimality of the Common Fisheries Policy: the Northern Stock of Hake (with M. J. Gutiérrez). *Spanish Economic Review*, 8(1): 1-21, (2006) [2010 Impact Factor: 1.143. Q2 (90/305), Economics]
2. Seeking  $\theta$ 's Desperately: Estimating the Distribution of Consumers Types under Increasing Block Rates (with F. Castro and P. Delicado). *Journal of Regulatory Economics*, 22(1): 29-58, (2002) [2002 Impact Factor: 0.648. Q2 (67/166), Economics]
1. A Note on the Optimal Structure of Production (with M. A. de Frutos). *Journal of Economic Theory*, 89(2): 234-246, (1999) [1999 Impact Factor: 0.778. Q2 (45/165), Economics]

## Other Papers

- WTO must ban harmful fisheries subsidies, with U. R. Sumaila, D. Skerritt , A. Schuhbauer, S. Villasante, A.M. Cisneros-Montemayor , H. Sinan, D. Burnside and 289 additional authors, at *Science*, (Letter) vol 374, n 6567, pa 544-544, (2021), 10.1126/science.abm1680
- Gestión de Pesquerías: críticas y alternativas (with M. J. Gutiérrez, S. Cerviño and L. T. Antelo). *Matemática*, Volumen 7, núm. 3 (2011)
- The Evaluation of Fisheries Management: A Dynamic Stochastic Approach (with M. J. Gutiérrez). *Moneda y Crédito*, 228: 113-133, (2009)
- La reforma del Principio de Estabilidad Relativa en la Política Pesquera Común: el caso del caladero norte de merluza (with M. J. Gutiérrez). *Revista de Economía Aplicada*, 36, Vol. XII (Invierno): 113-146, (2004)
- La investigación española en economía. 1995-1999 (with G. Bergantiños and P. Palome). *Investigaciones Económicas* Vol XXVI (2): 373-392, (2002)
- Capital humano y crecimiento económico. Evidencia empírica y situación española en relación a la OCDE (with A. de la Fuente). *Moneda y Crédito*, 203: 43-84, (1996)

- Good Morning Maastricht: Déficit, deuda pública e programa de converxencia. *Revista Gallega de Economía*, 5: 229-236 (1996)
- Ciclos, crecimiento y convergencia de la economía gallega (with A. Meixide y M. Pousa). *Papeles de Economía Española*, Vol. Eco. de las CC.AA (16): 17-32, (1996)
- An Optimal Pooling Nonlinear Tariff. *Revista Española de Economía*, Vol. monográfico de regulación: 23-39 (1995)
- Regulación e Información Asimétrica (with L. Bru). *Cuadernos Económicos del I.C.E.*, 57: 1-28, (1994)
- Selección adversa: una introducción al diseño de mecanismos. *Estudios de Economía*, 20: 253-301. (1993)
- Investigación en economía pesquera: el estado de la cuestión en España (with M. M. Varela, C. Pazo y J. Suris). *Revista de Estudios Agrosociales*, 150: 9-99, (1989)
- Concentración y heterogeneidad en la demanda: el caso del marisqueo en Galicia (with M. M. Varela, C. Pazo y J. Suris). *Revista de Estudios Agrosociales*, 149: 9-49, (1989)
- Análisis Estructural de la flota (with M. M. Varela y J. Suris). *Información Comercial Española*, (Enero-Febrero): 36-54, (1988)

## Journal Refereeing

American Economic Review, American Economic Journal: Macroeconomics, Canadian Journal of Economics, Computational Economics, Journal of Economic Dynamics and Control, Ecological Modelling, Economic Modelling, Environmental and Resource Economics, Environmental Modelling & Software, Fisheries Research, ICES Journal of Marine Sciences, Latin American Economic Review, Marine Ecology Progress Series, Marine Resource Economics, Natural Resource Modeling, Ocean and Coastal Management, Population Studies, Review of Economic Dynamics, SERIES, Trimestre Económico.