

# M. Dolores Añón Higón

Full Professor, Estructura Económica, Universitat de València

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## AREAS OF EXPERTISE

Economics of Innovation, Technology diffusion, Digitalisation, and Internationalisation.

## PROFFESIONAL EXPERIENCE

*Universitat de València, Spain:*

|                                                            |              |
|------------------------------------------------------------|--------------|
| Full Professor. Departamento de Estructura Económica.      | 2021-present |
| Associate Professor. Departamento de Estructura Económica. | 2012-2021    |
| Assistant Professor. Departamento de Estructura Económica. | 2008-2012    |

*Aston University, United Kingdom:*

|                                                             |           |
|-------------------------------------------------------------|-----------|
| Lecturer in Economics (with tenure). Aston Business School. | 2004-2008 |
| Research Fellow. Aston Business School.                     | 2003-2004 |

*University of Warwick, United Kingdom:*

|                                              |           |
|----------------------------------------------|-----------|
| Teaching Assistant. Department of Economics. | 2000-2003 |
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## EDUCATION

|                                                                                               |      |
|-----------------------------------------------------------------------------------------------|------|
| <i>University of Warwick, Warwick Business School, Ph.D.</i>                                  | 2004 |
| <i>University of Warwick, Economics Department, M.Sc. in Economics</i>                        | 1999 |
| <i>Universitat de València, Faculty of Economics, B.Sc. in Economics and Business Studies</i> | 1996 |

## PUBLICATIONS

- Añón Higón, D., Máñez, J. A., Sanchis, A., & Sanchis, J. A. (2025). Digitalisation and global value chain participation: evidence from Spanish manufacturing firms. *Industry and Innovation*, 1–36. <https://doi.org/10.1080/13662716.2025.2484746>
- Añón Higón, D., & Torrent-Sellens, J. (2025). AI-twin and AI-triple firm's transition: Unveiling the predictors from European SMEs. *Journal of Cleaner Production*, 521, 146134. <https://doi.org/10.1016/j.jclepro.2025.146134>
- Añón Higón, D., & Vicente-Chirivella, Ó. (2024). University-to-industry knowledge transfers and firms' resilience during the great recession: evidence for Spanish firms. *Industry and Innovation*, 1–30. <https://doi.org/10.1080/13662716.2024.2427089>
- Añón Higón, D., Bournakis, I. (2024). Participation in global value chains (GVCs) and markups: firm evidence from six European countries. *International Economics and Economic Policy* 21, 515–539. <https://doi.org/10.1007/s10368-024-00608-w>
- Añón Higón, D., Díez-Minguela, A. (2024). Do universities matter for the location of foreign R&D? *BRQ Business Research Quarterly*, 27(2), 104-120. [<http://doi:10.1177/23409444211042382>].
- Añón Higón, D., Bonvin, D. (2024). Digitalization and trade participation of SMEs. *Small Business Economics*, 62(3), 857-877 <https://doi.org/10.1007/s11187-023-00799-7>
- Añón Higón, D. (2023). The persistence and cross-persistence of R&D outsourcing: onshore and offshore strategies. *Economics of Innovation and New Technology*, 32(8), 1087-1113.
- Añón Higón, D., Bonvin, D. (2022). Information and communication technologies and firms' export performance. *Industrial and Corporate Change*, 31(4), 955-979.
- Añón Higón, D., Máñez, J.A., Rochina-Barrachina, M.E., Sanchis, A., Sanchis, J.A. (2022). Firms' distance to the European productivity frontier. *Eurasian Business Review*, 12, 197-228.

- Nunes, B., Gholami, R., Añón Higón, D. (2021). Sustainable Farming Practices, Awareness, and Behavior in Small Farms in Brazil. *Journal of Global Information Management*, 29(6), 1-23.
- Medina-Albaladejo, F.J., Añón Higón, D., Díez-Minguela, A., Lana-Berasain, J.M. (2021) Old wine in new wineskins? Understanding the cooperative movement: Catalonia, 1860–1939, *European Review of Economic History*, 25(2), 328–354.
- Añón Higón, D., J. A. Mañez, M. E. Rochina-Barrachina, A. Sanchis, J. A. Sanchis (2019). El papel de los intangibles en la convergencia de las empresas españolas a la frontera tecnológica europea. *Economía Industrial*, 414, 81-92.
- Añón Higón, D., J. A. Mañez, J. A. Sanchis (2018). Intramural and external R&D: evidence for complementarity or substitutability. *Economía Política*, 35(2), 555-577.
- Añón Higón, D., J. A. Mañez, M. E. Rochina-Barrachina, A. Sanchis, J. A. Sanchis (2018). The impact of the Great Recession on TFP convergence among EU countries. *Applied Economics Letters*, 25(6), 393-396.
- Añón Higón, D., J. Gómez, P. Vargas (2017). Complementarities in innovation strategy: do intangibles play a role in enhancing firm performance? *Industrial and Corporate Change*, 26, 5, 2017, 865-886.
- Checkley, M.S., D. Añón Higón, Alles, H. (2017). The Hasty Wisdom of the Mob: How Market Sentiment Predicts Stock Market Behavior. *Expert Systems with Applications*, 77(1), 256-263.
- Añón Higón, D., R. Gholami, F. Shirazi (2017). ICT and environmental sustainability: A global perspective. *Telematics and Informatics*, 34(4), 85-95.
- Añón Higón, D. (2016). Which innovation strategy do internationalised firms follow?: evidence from Spain. *International Journal of Multinational Corporation Strategy*, 1 (3/4), 313-336.
- Añón Higón, D. (2016). In-house versus external basic research and first-to-market innovations. *Research Policy*, 45(4), 816-829.
- Añón Higón, D., M. Manjón Antolín, J. A. Mañez, J.A. Sanchis-Llopis (2015). Does R&D protect SMEs from the hardness of the cycle? Evidence from Spanish SMEs (1990-2009). *International Entrepreneurship and Management Journal*, 11(2), 361-376.
- Gholami R., D. Añón Higón, A. Emrouznejad (2015), Hospital Performance: Efficiency or Quality? Can we have both with IT? *Expert Systems With Applications*, 42(15), 5390-5400.
- Añón Higón, D., M. Manjón Antolín, J. A. Mañez, J.A. Sanchis-Llopis (2015). El papel de los márgenes extensivo e intensivo en el crecimiento de la I+D durante la crisis (2007-2011). *Información Comercial Española (ICE)*, 89, 37-60.
- Sena, V., D. Añón Higón (2014). Productivity, R&D Spillovers and Educational Attainment. *Oxford Bulletin of Economics and Statistics*, 76(1), 1-23.
- Añón Higón, D. (2012). The impact of ICT on innovation activities: Evidence for UK SMEs. *International Small Business Journal*, 30(6), 684-699.
- Añón Higón, D., M. Manjón Antolín (2012). Multinationality, foreignness and institutional distance in the relation between R&D and productivity. *Research Policy*, 41(3), 592-601.
- Añón Higón, D., P. Stoneman (2011). Trade in Final Goods and the Impact of Innovation. *Economics Letters*, 110, 197-199.
- Añón Higón, D., M. Manjón Antolín, J.A. Mañez Castillejo (2011). Multinationals, R&D & Productivity: Evidence for UK Manufacturing firms. *Industrial and Corporate Change*, 20(2), 641-659.
- Añón Higón, D., N. Vasilakos (2011). Foreign Direct Investment Spillovers: Evidence from the British Retail Sector. *The World Economy*, 34(4), 642-666.
- Añón Higón, D., N. Driffield (2011). Exporting and innovation performance: Analysis of the annual Small Business Survey in the UK. *International Small Business Journal*, 29, 4-24.
- Añón Higón, D., J. A. Mañez Castillejo, J.A. Sanchis Llopis (2011). Iniciación, persistencia e intensificación en la realización de actividades de I+D en España. *Revista Economía Industrial*, 382, 1-12.
- Añón Higón, D., M. Manjón Antolín, J.A. Mañez Castillejo (2011). ¿Obtienen las multinacionales mayores rendimientos de sus actividades de I+D? *Papeles de Economía Española*, 17, 140-155.
- Checkley, M., D. Añón Higón, D., D. Angwin (2010). Venture Capital Syndication and Its Causal Relationship with Performance Outcomes. *Strategic Change: Briefings in Entrepreneurial Finance*, 19, 195-212.
- Añón Higón, D., Ö. Bozkurt, J. Clegg, I. Grugulis, S. Salis, N. Vasilakos, M.A. Williams (2010). The Determinants of Retail Productivity: A Critical Review of the Evidence. *International Journal of Management Reviews*, 12(2), 201-217.
- Gholami, R., D. Añón Higón, P. Hanafizadeh, A. Emrouznejad (2010). Is ICT the Key to Development?

*Journal of Global Information Management*, 18(1), 66-83.

- Shirazi, F., R. Gholami, R., D. Añón Higón (2010). Do Foreign Direct Investment (FDI) and Trade Openness Explain the Disparity in ICT Diffusion between Asia Pacific and the Islamic Middle Eastern Countries? *Journal of Global Information Management*, 18(3), 59-81.
- Temouri, Y., N. L. Driffield, D. Añón Higón (2010). The Futures of Offshoring FDI in High-tech Sectors. *Futures*, 42, 960-970.
- Temouri, Y., N. L. Driffield, D. Añón Higón (2010). German Outward FDI and Firm Performance. *Applied Economics Quarterly*, 56(1), 31-50.
- Añón Higón, D., M. Manjón Antolín (2009). Aportación de la Inversión en I+D a las Mejoras en la Productividad. *Revista Economía Industrial*, 373, 15-22.
- Añón Higón, D. (2009). Productivity, Ownership and National Chains: Evidence from the British Retail Sector. *Applied Economics Quarterly*, 55, 313-334.
- Gholami R., X.J. Guo, D. Añón Higón, S.Y.T. Lee (2009). Information and Communication Technology (ICT) International Spillovers: A Panel Analysis. *IEEE Transactions on Engineering Management*, 56(2), 329-330.
- Shirazi, F., R. Gholami, D. Añón Higón (2009). The Impact of Information and Communication Technology (ICT), Education and Regulation on Economic Freedom in Islamic Middle Eastern Countries. *Information & Management*, 46, 426-433.
- Temouri, Y., N. L. Driffield, D. Añón Higón (2008). Analysis of Productivity Differences among Foreign and Host Firms: Evidence from Germany. *Review of World Economics*, 114(1), 32-54.
- Añón Higón, D. (2007). The Impact of R&D Spillovers on UK Manufacturing TFP: A Dynamic Panel Approach. *Research Policy*, 36, 964-979.
- Añón Higón, D. (2007). The Sensitivity of Productivity Growth in UK Manufacturing. *Global Business and Economic Review*, 9(4), 429-447.
- Roper, S., J. Love, J., D. Añón Higón (2006). The Determinants of Export Performance: Evidence for Manufacturing Plants in Ireland and Northern Ireland. *Scottish Journal of Political Economy*, 53, 586-615.

## BOOK CHAPTERS

- Añón Higón, D., J.A. Máñez, M.E. Rochina-Barrachina, J.A. Sanchis (2021). The measurement of total factor productivity and the learning by exporting hypothesis. In Budria, S. y J. Milgram (eds.) *Internationalization and Global Markets*. Aranzadi-Thomson Reuters, 143-172.
- Añón Higón, D., M. Manjón, J.A. Mañez, J.A. Sanchis Llopis (2014). I+D interna, I+D contratada Externamente e Importación de Tecnología: ¿Qué estrategia innovadora es más rentable para la empresa?. In BBVA (eds.) *Modelo productivo y retos de la empresa española: productividad, competencia e innovación*. Fundación BBVA, 217-246.
- Añón Higón, D., M. Manjón Antolín (2013). Foreign R&D Spillovers, TFP and Institutional Distance. In Y. Temouri and C. Jones (eds.), *International Business, Institutions and Performance after the Financial Crisis*. Palgrave-MacMillan: (Reino Unido), 267-280.
- Shirazi, F., D. Añón Higón, R. Gholami (2012). ICT Diffusion and Foreign Direct Investment: A Comparative Study between Asia-Pacific and the Middle Eastern Economies. In F.B. Tan (ed.), *International Comparisons of Information Communication Technologies: Advancing Applications*, Hershey: IGI Global, 294-320.
- Temouri, Y., N. Driffield, D. Añón Higón (2010). The Importance of Location: Does Outward FDI lead to Unemployment? In P. Dimitratos and M.V. Jones (eds.) *Resources, Efficiency and Globalization*. Palgrave-MacMillan. 47-62.
- Temouri, Y., N. Driffield, D. Añón Higón (2008). Productivity differences among firms operating in Germany, in: Jüssen, Falko, Meister, Christoph, Stierle, Michael H., and van Hove, Jan (eds.), *INFER Research Perspectives*, Vol. 4, Berlin: LIT, 95-119.

## RESEARCH GRANTS

- PID2024-159471OB-I00: "Firms in Transitions to Digitalisation and Decarbonisation". *Sponsor*: Ministerio de Ciencia e Innovación (93.750€). *Period*: 01/09/2025-31/08/28. *PI(s)*: **D. Añón Higón**; A. Sanchis Llopis.
- PID2021-124266OB-I00: "The Digital and Technological Transformation in Industrial Firms: Factors that Facilitate/Hamper the Adoption of Emerging Technologies and Induced Changes in Firms' Strategies

- and Performance". *Sponsor*: Ministerio de Ciencia e Innovación (107.448€). Period: 01/09/2022-31/08/25. PI(s): **D. Añón Higón**; P. Beneito López.
- CIPROM/2022/29: "The challenges of the digital economy: information, competition policy, regulation, transport, industry transformation, environment, inequality and gender". *Sponsor*: Conselleria de Cultura, Educació i Ciència. Generalitat Valenciana (600.000 €). Period: 01/01/2023-31/12/26.
  - HIECPU/2023/4: "Evaluación de la eficiencia de las universidades públicas: determinantes y consecuencias". *Sponsor*: Conselleria d'Hisenda i Model Econòmic. Generalitat Valenciana (100.000€). Period: 01/09/2023-31/12/27.
  - TED2021-130232B-I00: "The Digital Transformation in Spanish Firms: Factors that Facilitate/Hamper the Adoption of Digital Technologies and Induced Changes in Firms' Strategies and Performance (DIG-KIIS)". *Sponsor*: Ministerio de Ciencia e Innovación (166.060€). Period: 01/12/2022-30/11/24. PI(s): **D. Añón Higón**; P. Beneito López.
  - ECO2017-86793-R: "Avances en Productividad en la Economía Globalizada Del Conocimiento: Distancia Tecnológica y Estrategias Empresariales (Internacionalización, Innovación, TIC, Biotecnología)". *Sponsor*: Ministerio de Economía y Competitividad (37.510 €). 2018-2021.
  - ECO2014-55745-R: "Estrategias de Innovación en una Economía Internacionalizada: Complementariedades o Sustituibilidades, Competencia, 'Spillovers' Tecnológicos y Resultados Empresariales". *Sponsor*: Ministerio de Economía y Competitividad (40.000 €). 2015-2017.
  - PROMETEOII/2014/054: "Economía del Comportamiento Estratégico". *Sponsor*: Conselleria de Cultura, Educació i Ciència. Generalitat Valenciana (245.425 €). 2014-2017.
  - ECO2011-25033: "Competencia, Innovación y Productividad: Un análisis empírico". *Sponsor*: Ministerio de Ciencia e Innovación. Dirección General de programas y transferencia del conocimiento (37.500 €). 2012-2014.
  - PROMETEO 2009/068: "Grupo de Investigación en Economía del Comportamiento Estratégico". *Sponsor*: Conselleria de Cultura, Educació i Ciència. Generalitat Valenciana (404.830 €). 2009-2013.
  - ECO2008-04576/ECON: "Análisis de las actividades innovadoras: dinámica, experiencia y resultados Innovadores". *Sponsor*: Ministerio de Ciencia e Innovación. Dirección General de programas y transferencia del conocimiento (40.500 €). 2009-2011.
  - EP/D01350X/1: "Intra-firm and Inter-firm knowledge transfers and productivity in the retailing sector". *Sponsor*: Engineering and Physical Sciences Research Council (EPSRC) (206.650£). 2005-2008.
  - EP/D503981/1: "Closing the Gap: Moving to the Next Level. A Scoping Study". *Sponsor*: Engineering and Physical Sciences Research Council (EPSRC) (52.879£). 2005-2006.

## RESEARCH CONTRACTS

- "TFP growth: Drivers, Components and Frontier firms". *European Commission*. 2016
- "R&D Strategies in the global economy: internal R&D investments, competition and international firm performance". Ayudas Fundación BBVA a Equipos de Investigación Científica. 2014-2016
- "The role of extensive and intensive margins in explaining R&D expenditure growth: evidence from Spain". *Instituto Valenciano de Investigaciones Económicas (IVIE)*. 2009
- "Growing Inward and Indigenous Investment". *Manchester Independent Economic Review*. 2008
- "Innovation Index Mini Project 5: Innovation and Social Welfare". *National Endowment for Science, Technology and the Arts (NESTA)*. 2008
- "Productivity, Spillovers and Human Capital: An Analysis for British Establishments using the ARD Dataset". *Department of Trade and Industry (UK)*. 2006
- "Secondary Analysis of SBS Annual Small Business Survey 2004: Exporting, Growth and Innovation". *UK Trade and Investment*. 2006
- "Exploring Gender Differentials in Access to Finance an Econometric Analysis of Survey Data". *Department for Innovation, Business & Skills*. 2006

## EDITORIAL

- Associate Editor of the [Eurasian Business Review](#). Business Review}.%26+management/journal/40821?detailsPage=editor
- Member of the advisory board of the *International Journal of Multinational Corporation Strategy*.
- Member of the reviewers board of the *Journal of Small Business Economics*.

## THESIS ADVISOR

- Daniel Bonvin (Universitat de València, 2023) Title: "Essays on digitalization and firm performance"
- Yama Temouri (Aston University, 2008) (co-advising with Nigel Driffield) Title: "Multinational firms, productivity and employment"

## ADDITIONAL INFORMATION

- Languages: Spanish (native), Catalan (native), English (Proficient)
- A record with my activity as reviewer can be accessed at <https://www.webofscience.com/wos/author/record/435598>