

Nombre: María Teresa

Apellidos: Sanz Díaz

Correo: [mtsanz@us.es](mailto:mtsanz@us.es)

Titulación académica: Doctora en Economía /Licenciada en Economía

Categoría profesional: Profesora Titular de Universidad

MT Sanz Díaz graduate and PhD in Economy at Universidad de Sevilla (US). She is Profesora Titular de Universidad (since 2019), teaching in studies of Degree and Master. Her teaching is linked to Microeconomic and History Economic Thought subjects. In this scope she has a teaching book, some innovation teaching Project and 3 papers about the use of TICs at university education. All of them are indexed in JCR (Q1).

In the area of research, she is part of the investigation group of Economic Theory and Political Economy (SEJ-132). Besides, she is researcher of the Chair of Economics of Energy and Environment at Universidad de Sevilla. Her scopes are energy efficiency, renewable energy political and environmental efficiency analyzed. She is co-author of twelve scientific articles (JCR), five of them are Q1. She also has five investigation articles published in reviews indexed in SCOPUS. She has published two chapter of books and also her doctoral thesis was published.

She has co-directed the doctoral thesis: *Sostenibilidad Global de la Agricultura de América Latina y Caribe: "Evaluación de diferentes niveles de eficiencia e Índice de productividad, utilizando el Análisis de Envoltante de Datos*. This thesis has been published in two JCR articles. Currently, she is co-directed another thesis about the environmental impact of textile industry, with LMDI and MRIO methodology. Also, she has supervised more than 22 Degree Thesis and 11 Master Thesis.

She has participated as a member of the research team of several projects: a) National: ECO2014-56399-R and (RTI2018-096725-B-I00); b) International: "Time series of supply-use tables for Europe in Nace Rev.2, current and previous year prices (1995-2009). European Commission -Joint Research Center; and "Sharing Behavior" funded by Swedish Government Agency for Innovation Systems.

Finally, she has presented communications at different international and national conferences on the Environment and Energy, I-O Tables and History of Economic Thought.

She is evaluator of some national and international reviews as *Utilities Policy*, *Transportation research part D: Transport and environment*, *Climate Policy*, *History of Economic Ideas*, *Cuadernos de Economía*, *Estudios de Economía Aplicada* and *Economic History Research (IHE-EHR)*. In this last one, she is associate editor since 2019.

Regarding the dissemination and transfer of scientific knowledge, she is a researcher at the *Cátedra de Economía de la Energía y del Medio Ambiente* at the University of Seville, sponsored by Red Eléctrica de España. Besides, she is the director of the *Jornadas de Economía y Medio ambiente*. These events are organized every spring at the University of Seville. The main objective of these conferences is to disseminate research in the field of energy economics and environment, both by the members of the aforementioned Chair and by national and international researchers of recognized prestige. Among those attending these conferences are the university community, society in general and companies in the energy and environmental sectors.

Relevant contributions:

1. Román-Collado, R., Sanz-Díaz, M. T., and Loja Pacheco, C. (2021). Towards the decarbonisation of Ecuador: a multisectoral and multiregional analysis of its carbon footprint. *Environmental Science and Pollution Research*, 28(38), 53412-53431. This article determines Ecuador's responsibility in terms of CO2 emissions, using the MRIO methodology and EORA database. There has been a strong growth of Ecuador's Footprint from 2000-2015. This result strengthens the need to foster a change in the consumption patterns of the population and the public administrations.

2. Reyes, J., Román, R., Sanz-Díaz, T., and Mundaca, L. (2020). Collaborative Fashion Consumption in Sweden and Spain: Market, environmental and behavioural insights. Swedish Government Agency for Innovation Systems. Research Portal of Lund University. The work confirms environmental concerns about the rise of fast fashion and growth of the clothing industry. And it is concluded that there is a need for further understand the motivations and barriers that affect the adoption of CFC initiatives. The analysis of the factors underlying CFC adoption behaviour provides critical knowledge for the design of behavioural-oriented measures that can promote CFC adoption.
3. Moreno-Moreno, JJ, Velasco-Morente, F, Sanz-Díaz, MT. 2018. Assessment of the operational and environmental efficiency of agriculture in Latin America and the Caribbean. *Agricultural Economics (Zemедeľská ekonomika)*, 64(2), 74-88. This article evaluates the environmental efficiency of the agricultural sector in the countries of Latin America and the Caribbean, using a DEA methodology.
4. Moreno-Moreno, JJ, Velasco-Morente, F, Sanz-Díaz, MT. 2017. A DEA-based evaluation of Latin America and the Caribbean agricultural environmental performance under the assumption of natural and managerial efficiency. *Revista de Economía Mundial*, 47, 157-178. This paper analyses the managerial efficiency, from the environmental point of view, as well as the types of returns to scale of agriculture in the countries of Latin America and the Caribbean..
5. Román-Collado, R, Sanz-Díaz, MT, 2017. Analysis of energy end-use efficiency policy in Spain. *Energy Policy*, 101, 436-446. This article belongs to the line of research in Energy Economics and the Environment The article analyzes the Efficiency and Energy Saving Action Plan of Spain (2008-2012) and the measures put into practice by the Spanish administration differentiating those that have had a better result and impact on energy saving in Spain, of those that have been poorest from the point of view of energy efficiency.
6. Sanz-Díaz, MT, Velasco-Morente, F, Yñiguez Ovando, R., Díaz-Calleja, E. 2017. An analysis of Spain's global and environmental efficiency from a European Union perspective. *Energy Policy* 104, 183-193). The article supposes a significant advance in the existing bibliography since at the date of publication the position that Spain occupies within its economic environment of the EU-28, from the point of view of environmental efficiency, had not been analyzed. The methodology used is a DEA, supported by an econometric analysis, from which relevant results were extracted on the evolution of environmental efficiency in Spain, compared with the EU-28.
7. Sanz-Díaz, MT, Yñiguez Ovando, R, Rueda-Cantuche, JM, 2016. The relevance of multi-country input-output tables in measuring emissions trade balance of countries: the case of Spain. *SORT-Statistics and Operations Research Transactions* 40(1), 3-30. This paper analyses the balance of emissions in Spain, based on an analysis of the carbon footprint in this country. The methodology is a multiregional input-output analysis, using the WIOD database, disaggregated by country.
8. Sanz-Díaz, MT; Cansino-Muñoz Repiso, JM; González-Limón, JM; Santamaría, M; Yñiguez, R. 2014. Economic assessment of CO2 emissions savings in Spain associated with the use of biofuels for the transport sector in 2010. *Utilities Policy*, 29, 25-32. This work calculates the savings that Spain has to meet for the European biofuel objectives and the possible effects that this measure can have in the spanish emissions.
9. Researcher in the National Projects: *Claves para Desacoplar Crecimiento y Emisiones de CO<sub>2</sub> en España*. ECO2014-56399-R, Financing Organization: Ministerio de Economía y Competitividad. Responsibles: JM Cansino-Muñoz-Repiso and MP Pablo-Romero. 2015- 2018; and *Demanda de Electricidad y Calentamiento Global en España. Un Análisis Sectorial y Territorial Orientado a la Adaptación*. (RTI2018-096725-B-I00). Responsable: R. Román Collado y A. Sánchez Braza.
10. Researcher in the Andalusian Project: *Calentamiento Global y demanda de electricidad del sector residencial y de los sectores productivos en España y Andalucía*. (Proyecto I+D+i FEDER Andalucía 2014-2020). Responsable: R. Román Collado and A. Sánchez Braza.