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## Maria Margarida Duarte de Castro Fontes

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### Contacts

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### Supervisions

#### • Ph.D. Thesis - Concluded

	Student Name	Title/Topic	Language	Institution	Concluding Year
1	Pedro Miguel Rito Alves Videira	Redes interpessoais e dinâmicas de acesso ao conhecimento de cientistas portugueses	--	Iscte	2017
2	Pedro Miguel Rito Alves Videira	Redes interpessoais e dinâmicas de acesso ao conhecimento de cientistas portugueses	--	Iscte	--

#### • M.Sc. Final Projects - Concluded

	Student Name	Title/Topic	Language	Institution	Concluding Year
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1	Silvana Monteiro Pimenta	O Processo de Criação de Empresas Spin-Offs Académicas na Área das Energias Renováveis: O papel do empreendedor e das suas redes na mobilização de recursos e competências críticas na formação de empresas.	Portuguese	Iscte	2011
2	Silvana Monteiro Pimenta	O Processo de Criação de Empresas Spin-Offs Académicas na Área das Energias Renováveis: O papel do empreendedor e das suas redes na mobilização de recursos e competências críticas na formação de empresas.	Portuguese	Iscte	2011

## Total Citations

<b>Web of Science®</b>	337
<b>Scopus</b>	375

## Publications

### • Scientific Journals

#### - Scientific journal paper

1	Bento, N., Sousa, C., Trindade, P., Mamede, R. P., Fontes, M. & Alves, T. (2022). Robust relation between public procurement for innovation and economic development. <i>Economics Letters</i> . 211 - Times Cited Web of Science®: 6 - Times Cited Scopus: 5 - Times Cited Google Scholar: 12
2	Fontes, M., Bento, N. & Andersen, A. D. (2021). Unleashing the industrial transformative capacity of innovations. <i>Environmental Innovation and Societal Transitions</i> . 40, 207-221 - Times Cited Web of Science®: 17 - Times Cited Scopus: 18 - Times Cited Google Scholar: 35
3	Pádua, M., M. Pádua, Fontes, M., Fontes, M. & Sousa, C. (2018). Seizing opportunities for markets of discovery: the reconfigurations of value chains in pharmaceutical industry in the global south. <i>Science, Technology and Society</i> . 23 (3), 1-26
4	Conceição, O., Faria, A. P. & Fontes, M. (2017). Regional variation of academic spinoffs formation. <i>Journal of Technology Transfer</i> . 42 (3), 654-65 - Times Cited Web of Science®: 16 - Times Cited Scopus: 18

5	<p>Fontes, M. &amp; Sousa, C. (2017). The entry strategies of research-based firms in the transition to a sustainable energy system. <i>International Journal of Technoentrepreneurship</i>. 3 (4), 310-329</p> <ul style="list-style-type: none"> <li>- Times Cited Web of Science®: 2</li> <li>- Times Cited Scopus: 3</li> <li>- Times Cited Google Scholar: 3</li> </ul>
6	<p>Fontes, M. &amp; Sousa, C. (2016). Types of proximity in knowledge access by science-based start-ups. <i>European Journal of Innovation Management</i>. 19 (3), 298-316</p> <ul style="list-style-type: none"> <li>- Times Cited Web of Science®: 10</li> <li>- Times Cited Scopus: 17</li> <li>- Times Cited Google Scholar: 27</li> </ul>
7	<p>Bento, N. &amp; Fontes, M. (2016). The capacity for adopting energy innovations in Portugal: historical evidence and perspectives for the future. <i>Technological Forecasting and Social Change</i>. 113, 308-318</p> <ul style="list-style-type: none"> <li>- Times Cited Web of Science®: 18</li> <li>- Times Cited Scopus: 15</li> <li>- Times Cited Google Scholar: 26</li> </ul>
8	<p>Fontes, M., Sousa, C. &amp; Ferreira, J. (2016). The spatial dynamics of niche trajectory: the case of wave energy. <i>Environmental Innovation and Societal Transitions</i>. 19, 66-84</p> <ul style="list-style-type: none"> <li>- Times Cited Web of Science®: 28</li> <li>- Times Cited Scopus: 26</li> <li>- Times Cited Google Scholar: 42</li> </ul>
9	<p>Bento, N. &amp; Fontes, M. (2015). The construction of a new technological innovation system in a follower country: wind energy in Portugal. <i>Technological Forecasting and Social Change</i>. 99, 197-210</p> <ul style="list-style-type: none"> <li>- Times Cited Web of Science®: 52</li> <li>- Times Cited Scopus: 58</li> <li>- Times Cited Google Scholar: 103</li> </ul>
10	<p>Capaldo, G., Fontes, M., Cannavacciuolo, L., Rippa, P. &amp; Sousa, C. (2015). Networks mobilized to access key resources at early stages of biotech firms: a comparative analysis in two moderately innovative countries. <i>European Planning Studies</i>. 23 (7), 1381-1400</p> <ul style="list-style-type: none"> <li>- Times Cited Web of Science®: 9</li> <li>- Times Cited Scopus: 11</li> <li>- Times Cited Google Scholar: 16</li> </ul>
11	<p>Bento, N. &amp; Fontes, M. (2015). Spatial diffusion and the formation of a technological innovation system in the receiving country: the case of wind energy in Portugal. <i>Environmental Innovation and Societal Transitions</i>. 15, 158-179</p> <ul style="list-style-type: none"> <li>- Times Cited Web of Science®: 69</li> <li>- Times Cited Scopus: 63</li> <li>- Times Cited Google Scholar: 125</li> </ul>
12	<p>Fontes, M., Videira, P. &amp; Calapez, T. (2013). The impact of long term scientific mobility on the creation of persistent knowledge networks. <i>Mobilities</i>. 8 (3), 440-465</p> <ul style="list-style-type: none"> <li>- Times Cited Web of Science®: 53</li> <li>- Times Cited Scopus: 51</li> <li>- Times Cited Google Scholar: 91</li> </ul>
13	<p>Conceição, O., Fontes, M. &amp; Calapez, T. (2012). The commercialisation decisions of research-based spin-off: Targeting the market for technologies. <i>Technovation</i>. 32 (1), 43-56</p> <ul style="list-style-type: none"> <li>- Times Cited Web of Science®: 54</li> <li>- Times Cited Scopus: 66</li> <li>- Times Cited Google Scholar: 103</li> </ul>

## • Books and Book Chapters

### - Book author

1	Fontes, M. (2006). Regional Development in the Knowledge Economy. - Times Cited Scopus: 9
2	Fontes, M. (2005). Technology, Knowledge and the Firm: Implications for Strategy and Industrial Change. - Times Cited Scopus: 3
3	Fontes, M., Coombs, R, Green, K, Richards, A & Walsh, V (1998). Technological Change and Organization. - Times Cited Web of Science®: 3

### - Book chapter

1	Sousa, C., Fontes, M. & Fontes, M. (2012). Networks and technological entrepreneurship. In Salavisa, I. and Fontes, M. (Ed.), Social networks, innovation and the knowledge economy. (pp. 69-88). Reino Unido: Routledge. - Times Cited Scopus: 6 - Times Cited Google Scholar: 6
2	Salavisa, I., Fontes, M., Fontes, M., Sousa, C. & Videira, P. (2012). Knowledge networks and technological regimes in biotechnology and software: searching for explanatory factors. In Salavisa, I. and Fontes, M. (Ed.), Social Networks, Innovation and the Knowledge Economy. (pp. 246-269). Abingdon, UK, and New York, US: Routledge. - Times Cited Google Scholar: 1
3	Fontes, M., Fontes, M., Salavisa, I. & Videira, P. (2012). Setting the scene. In Salavisa, I. and Fontes, M. (Ed.), Social networks, Innovation and the Knowledge Economy. (pp. 109-127). Abingdon, UK, and New York, US: Routledge.
4	Fontes, M., Fontes, M., Salavisa, I. & Sousa, C. (2012). Comparing sectoral networks in software and biotechnology. In Salavisa, I. and Fontes, M. (Ed.), Social Networks, Innovation and the Knowledge Economy. (pp. 214-245). Abingdon, UK, and New York, US: Routledge. - Times Cited Google Scholar: 3
5	Sousa, C., Fontes, M. & Videira, P. (2012). Social Networks and the entrepreneurial process in molecular biotechnology in Portugal : From science to industry. In Isabel Salavisa, Margarida Fontes (Ed.), Social networks, innovation and the knowledge economy. (pp. 109-144). Reino Unido: Routledge. - Times Cited Scopus: 1 - Times Cited Google Scholar: 9
6	Fontes, M., Conceição, O & Calapez, T. (2009). Commercialisation strategies of research-based spin-offs: the case of companies that operate in the market for technologies. In Tõnis Mets (Ed.), From the university environment to academic entrepreneurship - 6th Inter-RENT Online Publication. (pp. 70-108). Turku, Finland: European Council for Small Business and Entrepreneurship. - Times Cited Google Scholar: 2

## • Conferences/Workshops and Talks

### - Publication in conference proceedings

1	Bento, N. & Fontes, M. (2018). Legitimation and guidance in scaling up energy innovation systems. In 9th International Sustainability Transitions Conference. Manchester - Times Cited Google Scholar: 1
2	Fontes, M., Karadzic, V., Pereira, T. S. & Bento, N. (2018). Co-evolutionary dynamics of policy and system development: The case of marine renewable energy technologies. In AIT Austrian Institute of Technology Center for Innovation Systems & Policy (Ed.), Eu-SPRI 2017 Book of Abstracts. (pp. 127-131). Viena: AIT: Austrian Institute of Technology.
3	Fontes, M., Sousa, C. & Bento, N. (2016). Experimental projects as learning settings for system building in sustainability transitions: The case of marine renewable energies. In João Joanaz de Melo, Antje Disterheft, Sandra Caeiro, Rui F. Santos and Tomás B. Ramos (Ed.), Proceedings of the 22nd International Sustainable Development Research Society Conference (ISDRS 2016): "Rethinking sustainability models and practices: challenges for the New and Old World contexts". Lisboa: Center for Environmental and Sustainability Research (CENSE-UNL); ISDR Society.
4	Fontes, M., Ferreira, J. & Sousa, C. (2014). The multi-spatial dynamics of niche trajectory: the case of the wave energy technological niche. In Proceedings of the 5th International Conference on Sustainability Transitions. Utrecht - Times Cited Google Scholar: 44
5	Salavisa, I., Salavisa, I., Sousa, C. & Fontes, M. (2011). Networks and the organisation of knowledge intensive sectors. In DRUID (Ed.), DRUID Society Summer Conference 2011 on Innovation, Strategy, and Structure Organisations, Institutions, Systems and Regions. (pp. 1-30). Copenhagen - Times Cited Google Scholar: 2

#### - Talk

1	Mário Vale, Tiago M. F. Alves, Fontes, M., Mamede, R.P. & Bento, N. (2024). Innovation and decarbonization strategies of firms: insights from the Portugal 2020 program and relation to local contexts. GEOINNO 2024 Delivering transformative change: conceptions, contexts and concepts.
2	Bento, N., Tiago M. F. Alves, Ribeiro, R. & Fontes, M. (2024). Typology of Pathways for Sustainable Transformation: a review of one million papers on climate mitigation. 15th International Sustainability Conference (IST), Oslo, Norway 2024.
3	Barbosa, J., Bento, N. & Fontes, M. (2021). From Products to Energy Transition: available knowledge and readiness for transformation in the economy. 5th Annual Conference of the Portuguese Association of Energy Economics (APEEN), online from Lisbon, January 20-21.
4	Bento, N. & Fontes, M. (2020). Diffusion of energy technology innovations in Portugal and perspectives for decarbonization. MISTRAL European research consortium webinar.
5	Bento, N. & Fontes, M. (2020). Diffusion of energy technology innovations in Portugal and perspectives for decarbonization. P2M 1st Webinar on CO2 capture and utilization: insights from academia and industry.
6	Bento, N., Fontes, M. & Barbosa, J. (2020). Inter-sectoral relations to accelerate technological innovation systems formation: determinants of actors' entry into marine renewable energy technologies. 11th International Sustainability Transitions Conference, August 16-21. - Times Cited Google Scholar: 1

7	Bento, N., Fontes, M., Fontes, M. & Barbosa, J. (2020). How innovation attract innovators: insights from 20 years of marine renewable energy technologies in Portugal. 5th Workshop of DINÂMIA'CET-IUL "Dinâmicas Socioeconómicas e Territoriais Contemporâneas.
8	Bento, N. & Fontes, M. (2018). Recovery after disappointment: a policy perspective. 9th International Sustainability Transitions Conference.
9	Fontes, M., Fontes, M., Sousa, C. & Bento, N. (2017). Experimental projects as learning settings for system building in sustainability transitions: The case of marine renewable energies. 8th International Sustainability Transitions Conference.
10	Fontes, M., Fontes, M., Bento, N., Karadzic, V. & Tiago Santos Pereira (2017). Co-evolutionary dynamics of policy and advanced energy system development. 3rd Workshop of DINÂMIA'CET-IUL "Dinâmicas Socioeconómicas e Territoriais Contemporâneas.
11	Bento, N., Fontes, M. & Fontes, M. (2015). Direction, Legitimacy and Structuration in Technological Innovation Systems Upscaling—Insights from roadmaps for deepwater offshore wind energy. 6th International Sustainability Transitions Conference.
12	Sousa, C., Bento, N., Fontes, M. & Fontes, M. (2015). Dynamics of knowledge production and technology diffusion across countries: Insights from the emergence of wind energy technology. 1ª Workshop of DINÂMIA'CET-IUL "Dinâmicas Socioeconómicas e Territoriais Contemporâneas".
13	Bento, N. & Fontes, M. (2014). The Construction of a New Technological Innovation System in a Follower Country: Wind Energy in Portugal. DRUID conference.
14	Sousa, C., Bento, N. & Fontes, M. (2014). Dynamics of knowledge production and technology diffusion: insights from the emergence of wind energy. 15th International Conference of the International Joseph A. Schumpeter Society.
15	Bento, N. & Fontes, M. (2013). Spatial diffusion and the formation of local institutional capacity: The case of wind energy in Portugal. 4th International Conference on Sustainability Transitions.
16	Bento, N. & Fontes, M. (2013). A capacidade de adoção das inovações energéticas em Portugal: Evidência histórica e perspectivas para o futuro. XV Congresso de Gestão de Tecnologia Latino-Iberoamericano - ALTEC 2013. - Times Cited Google Scholar: 1
17	Bento, N., Fontes, M. & Fontes, M. (2013). Lessons learnt from the adoption of wind energy in Portugal: formation of local absorptive capacity and legitimacy. Conference STS Perspectives on Energy.
18	Salavisa, I., Sousa, C. & Fontes, M. (2012). Innovation networks in knowledge-intensive sectors: forms and sources of variety. 3º Encontro de Redes Sociais, Lisboa, ICS, 16-17 July 2012.
19	Salavisa, I., Fontes, M., Fontes, M., Sousa, C. & Videira, P. (2010). Networking for entrepreneurship - The search for resources in knowledge intensive sectors. DIME Athens 2010 Conference, "The emergence and growth of Knowledge intensive entrepreneurship in a comparative perspective". - Times Cited Google Scholar: 2
20	Salavisa, I., Fontes, M., Fontes, M., Sousa, C. & Videira, P. (2010). Building a bridge - social networks and technological regimes in biotechnology and software. 13th Conference of the International Joseph A. Schumpeter Society on "Innovation, Organisation, Sustainability and Crises". - Times Cited Google Scholar: 1

21	Fontes, M., Conceição, O & Calapez, T. (2009). Factors influencing research-based spin-offs decisions on the commercialisation strategy. Project PICO ?Academic Entrepreneurship, from Knowledge Creation to Knowledge Diffusion? Final Conference.
22	Videira, P., Fontes, M., Fontes, M., Sousa, C. & Braet, J (2009). Social Networks and Early Resource Mobilisation by Science-Based Firms. Proceedings of the 4th European Conference on Entrepreneurship and Innovation. - Times Cited Google Scholar: 2
23	Conceição, O, Fontes, M. & Calapez, T. (2009). Commercialisation strategies of research-based spin-offs: the case of companies that operate in the market for technologies. ICPTI09 ? 12th International Conference on Technology Policy and Innovation.
24	Fontes, M., Conceição, O & Calapez, T. (2008). Commercialisation strategies of research based spin-offs: the case of companies that operate in the market for technologies. RentXXII ? Research in entrepreneurship and small business.

### - Conference paper not in proceedings

1	Bento, N. & Fontes, M. (2018). The process of recovery after hype and disappointment. 4º Workshop DINÂMIA'CET-IUL: Dinâmicas sócio-económicas e territoriais.
2	Bento, N., Sousa, C., Fontes, M. & Fontes, M. (2016). Dynamics of knowledge creation and market formation in energy technology innovation systems. 7th International Sustainability Transitions Conference.

## • Other Publications

### - Working Papers

1	Bento, N., Fontes, M. & Fontes, M. (2017). Direction and legitimation in system upscaling - planification of floating offshore wind. Working Papers do DINÂMIA'CET- IUL.
2	Sousa, C., Bento, N., Fontes, M. & Fontes, M. (2014). Dynamics of knowledge production and technology diffusion: insights from the emergence of wind energy. DINAMIA'CET Working Paper. - Times Cited Google Scholar: 1
3	Fontes, M. & Videira, P. (2012). A brief overview of the evolution and main features of the biotechnology industry. A brief overview of the evolution and main features of the biotechnology industry.
4	Fontes, M., Fontes, M., Sousa, C. & Pimenta, S. (2012). The commercialisation of emerging energy technologies: the strategic alliances of high-technology entrepreneurial firms. Working Paper DINÂMIA'CET-IUL. 0-0
5	Salavisa, I., Salavisa, I., Sousa, C. & Fontes, M. (2011). Understanding the topologies of innovation networks in knowledge-intensive sectors. DINÂMIA'CET-IUL Working Paper n.º 2011/09. 1-37
6	Fontes, M., Fontes, M., Sousa, C., Fontes, M. & Fontes, M. (2011). Social Networks and the Entrepreneurial Process in Molecular Biotechnology in Portugal: From science to industry. DINÂMIA'CET-IUL Working Papers. 0-0
7	Fontes, M., Conceição, O, Calapez, T. & Lopes, M. (2009). Commercialisation strategies of research-based spin-offs: the case of companies that operate in the market for technologies. ICTPI - International Conference on Technology Policy and Innovation . 0-0

8	Fontes, M., Fontes, M., Sousa, C. & Videira, P. (2009). Knowledge access and location decisions in biotechnology: the spatial dimension of social networks. DINAMIA Working Papers . 2009/79
9	Fontes, M., Conceição, O & Calapez, T. (2009). Research-based spin-offs targeting the market for technologies: a conceptual model. DINÂMIA'CET-Working Papers, 2009/78. 0-0

**- Other publications**

1	Nuno Fernandes Crespo, Vítor Corado Simões & Fontes, M. (2015). A process view of new ventures' internationalization: exploring the 'black box'. Handbook of Research on International Entrepreneurship Strategy. - Times Cited Scopus: 5
2	Sousa, C., Fontes, M. & Fontes, M. (2013). How do young knowledge-intensive firms select their innovation partners? An integrative framework considering persistence and novelty. ALTEC 2013, XV Latin Ibero-American Conference on Management of Technology.
3	Fontes, M., Fontes, M., Sousa, C. & Pimenta, S. (2013). Entry strategies in the face of incumbents dominant position: the case of advanced renewable energy technologies. 10th ENEF Workshop. - Times Cited Google Scholar: 3
4	Fontes, M., Fontes, M., Sousa, C. & Pimenta, S. (2013). Entry strategies in the face of incumbents dominant position: the case of advanced renewable energy technologies. ICEE Energy & Environment: bringing together Economics and Engineering 2013. - Times Cited Google Scholar: 3
5	Pádua, M., M. Pádua, Fontes, M., Fontes, M. & Sousa, C. (2013). On the tentative governance of an ill-structured problem: a problem centered approach to network governance. Dialogues Science, Technology and Society.
6	Fontes, M., Fontes, M., Ferreira, J. & Sousa, C. (2013). Technological niches in energy transitions: the case of wave energy. Conference STS Perspectives on Energy.
7	Sousa, C., Fontes, M. & Fontes, M. (2013). Early networks building strategies of science based-firms: the relevance of social capital and new partnerships to access knowledge, complementary assets and legitimacy. 10th ENEF Workshop.
8	Fontes, M., Fontes, M. & Sousa, C. (2013). Transitions in the energy system: The strategies of new firms commercializing advanced renewable energy technologies. IST 2013 - 4th International Conference on Sustainability Transitions.
9	Sousa, C., Fontes, M. & Fontes, M. (2013). How do young knowledge-intensive firms select their innovation partners? An integrative framework considering persistence and novelty. 25th Annual EAEPE Conference.
10	Sousa, C., Fontes, M. & Fontes, M. (2012). Estratégias de construção de redes: como as novas empresas baseadas em ciência seleccionam as fontes de conhecimento. 3º Encontro de Analistas de Redes Sociais.
11	Sousa, C., Fontes, M. & Fontes, M. (2012). Building innovation networks: the process of partner selection by young knowledge-intensive firms. 14th International Schumpeter Society Conference.
12	Sousa, C., Fontes, M. & Fontes, M. (2012). Building innovation networks in science-based young firms: the selection of knowledge sources. 15th Uddevalla Symposium.

**- Report**

1	Sousa, C., Bento, N., Santos, I., Fontes, M., Fontes, M., Trindade, P....Alves, T. (2021). Mercado da Contratação Pública da Inovação em Portugal . - Times Cited Google Scholar: 2
2	Fontes, M., Fontes, M., Sousa, C. & Ferreira, J. (2015). Oceans of energy? The non-linear trajectory of the emerging wave energy technology. Dinâmia'Cet Working Paper.

## Research Projects

Project Title	Role in Project	Partners	Period
Technological platforms and emerging business models: new modes of value creation and appropriation in the biomedical industry	Researcher	DINAMIA'CET-Iscte, IST-ID - Leader (Portugal)	2014 - 2015
Plataformas tecnológicas e modelos de negócio emergentes: novos modos de criação e apropriação de valor na indústria Biomédica	Researcher	DINAMIA'CET-Iscte (IL)	2014 - 2015
TESS - Transition to an environmentally sustainable energy system - The role of technology-intensive firms in the commercialisation of emerging energy technologies	Researcher	DINAMIA'CET-Iscte	2011 - 2014
Addressing the Knowledge Gap: Towards a better understanding of research based spin-offs	Researcher	DINAMIA'CET-Iscte (IL), ISEG - (Portugal), ARMINES - (France), Politecnico Innovazione - (Italy), GhentU - (Belgium), UNottingham - (United Kingdom)	2006 - 2009
ENTSOCNET - Entrepreneurs' social networks and Knowledge acces: the case of biotechnology and IT sectors	Researcher	DINAMIA'CET-Iscte	2005 - 2008