



Article Universities and CSR Teaching: New Challenges and Trends

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Abstract: This paper aims to analyse how universities are currently improving CSR teaching, pointing out some new challenges and trends emerging from a context in which CSR issues have become increasingly important. The research provides a longitudinal study of the literature for a period of 20 years. After screening the retrieved documents, we based our analysis on 31 main scientific documents. Our findings highlight how universities are improving CSR teaching by utilising the development of new curricula and new teaching methods, such as case methods, service learning, problem-based learning, and action and experiential learning. The paper is novel because it explores how the request for human resources with CSR skills forced universities to widen their teaching programs. Our findings suggest valuable and useful insights for the academic and professional community.

Keywords: CSR; university; teaching; education; responsibility; sustainability

1. Introduction

During the last two decades, many environmental, social, and ethical concerns emerged, among which include climate change, the depletion of natural resources, corporate scandals, and bad working conditions (Lombardi et al. 2021a; Russo et al. 2021). Many stakeholders, such as public powers, investors, consumers, employees, suppliers, and nongovernmental organisations, are increasingly requiring the development and strengthening of CSR practices (Kolk and Tulder 2010; Duque-Grisales and Aguilera-Caracuel 2019). Additionally, universities are expected to be essential for the achievement of the 17 Sustainable Development Goals (SDGs) of the 2030 UN Agenda (Caputo et al. 2021; Venturelli et al. 2021; De Iorio et al. 2022). This led universities to develop education with respect to CSR and sustainability (Boyle 1999; Gorski et al. 2017), becoming pivotal in educating responsible leaders and managers (Raivio 2011; Osiemo 2012; Boulocher-Passet et al. 2019).

Since the late 1990s, universities have started to introduce CSR and sustainability issues into their curricula (Schroeder-Saulnier 2007; Wright and Bennett 2011; Brammer et al. 2012), and by teaching CSR, incorporating day-to-day activities, and providing practical support, they have deeply enriched students from both a practical and theoretical point of view (Tokarčíková et al. 2015; Smith et al. 2018). In addition to other subjects such as entrepreneurship, the method of teaching promoted by universities is constantly being updated (Schimperna et al. 2021). Indeed, universities developed many methods and techniques to teach CSR and sustainable development, among which include the following (Figueiró and Raufflet 2015; Gatti et al. 2019): case method, service learning (SL), problem-based learning (PBL), and action and experiential learning.

We aim to point out a literature review on how universities have improved CSR teaching since 2001 in an attempt to fill the current gap in the literature. Our paper aims to answer the following three research questions: (I) *How is CSR practices in the university literature developed in the field of business, management, and accounting?* (II) *What is the literature's focus on CSR teaching at universities?* (III) *What are the implications that arise for universities?* We developed a Structured Literature Review (SLR) (Tranfield et al. 2003; Kraus et al. 2020;



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Copyright: © 2022 by the authors. Licensee MDPI, Basel, Switzerland. This article is an open access article distributed under the terms and conditions of the Creative Commons Attribution (CC BY) license (https:// creativecommons.org/licenses/by/ 4.0/). Secundo et al. 2020), and after entering our search query into the Scopus database, we finally collected 31 documents published from 2001. Lastly, we provide valuable findings in the following three research areas that emerged from a cluster analysis: (I) CSR issues in the current corporate and economic world; (II) university social responsibility (USR) and the role of the university in disseminating knowledge about CSR; (III) new methods of teaching CSR and sustainability. Our findings aim at defining the state-of-the-art of CSR teaching at university, proposing issues for academics and practitioners.

2. Research Method

We developed the following SLR by analysing how universities are improving CSR teaching through the development of new curricula and new teaching methods. This section defines the research protocol and selected criteria for SLR (Tranfield et al. 2003; Kraus et al. 2020). To develop our analysis, we based our research on the following items: (a) time of publications; (b) geographical distribution of articles; (c) authors' citations; (d) articles citations and connected journals; (e) emerging keywords and topics; (f) cluster analysis (Secundo et al. 2020; Schimperna et al. 2020; Lombardi et al. 2021b).

Based on Scopus as the leading resource to find documents, our search relied on "Article title, Abstract, Keywords", while the selected query relied on the following group of keywords: ("universit*" OR "higher education" OR "business school" OR "education") AND ("CSR" OR "corporate social responsibility" OR "university social responsibility") and "teaching"). After the selection of this group of keywords, we limited the search field only to documents published from 2001 to 2021.

Thus, our first result relied on 241 documents. Then, we limited the search field to business, management, and accounting areas and English research documents; after conducting discussions in the research group, we selected 31 documents, avoiding the highest number of false positives and negatives (Petticrew and Roberts 2008). We decided to exclude documents that did not contain useful information or findings on CSR teaching at universities or its inclusion in curricula. Our research is updated up to 19 February 2022, and Table 1 summarizes our documents selection process, while Appendix A provides the full list of these documents.

Selection Criteria	Results
Stage 1: Search for TITLE-ABS-KEY (("universit*" OR "higher education" OR "business school" OR "education") AND ("CSR" OR "corporate social responsibility" OR "university social responsibility") AND "teaching") PUBYEAR > 2000 AND (LIMIT-TO (PUBSTAGE, "final"))	241 documents
<i>Stage 2:</i> Limiting the search field to business, management and accounting only	126 documents
<i>Stage 3:</i> Limiting the search field to English-language research documents only	125 documents
<i>Stage 4:</i> Selection of the collected research documents mainly related to our research aim	31 documents

Table 1. Documents selection process.

Using VOSviewer software (Van Eck and Waltman 2017), our analyses relied on countries per document, citations of sources, citations of documents, co-occurrence of keywords, and bibliographic coupling to obtain clusters. The following section provides our main findings.

3. Results

Our analysis relies on 31 documents mainly connected to the aim of the review. The following subsections aim to answer the three following research questions:

- RQ1: How is CSR practices in the university literature developed in the field of business, management, and accounting?
- RQ2: What is the literature's focus on CSR teaching at universities?
- RQ3: What are the implications that arise for universities?

3.1. Descriptive Analysis

Firstly, by focusing on the trend of publications between 2004 and 2016, we found an irregular trend of publications because there are years in which one, two, and four documents were published or none were published all. It is only from 2017 onwards that the trend of publications became regular, as there were three or four documents for each year considered.

Secondly, by focusing on the perspective of countries, we identified the main countries contributing to our SLR (Table 2). The most influential countries are the UK and the USA (seven documents), followed by Spain (four documents). Moving to the analysis of related citations, we found that the UK is the leading country (555 citations), followed by Germany (455 citations) and the USA (387 citations).

Table 2. Top eight countries per documents.

Country	N° of Documents	\mathbf{N}° of Citations
United Kingdom	7	555
United States	7	387
Spain	4	72
Germany	3	455
Finland	2	17
Canada	2	15
Colombia	2	11
Romania	2	1

Source: our elaboration.

Thus, the USA, the UK, Spain, and Germany can be regarded as leading countries for the aims of this SLR. Focusing on the number of citations per source, the *Journal of Business Ethics* is the first in ranking (705 citations; 6 documents), followed by the *Journal of Cleaner Production* (220 citations; 3 documents) and the *Journal of Management and Organization* (80 citations; 2 documents). Table 3 shows our findings.

Table 3. Top four citations per source.

Source	N° of Documents	\mathbf{N}° of Citations
Journal of Business Ethics	6	705
Journal of Cleaner Production	3	220
Journal of Management and Organization	2	80
Corporate Social Responsibility and Environmental Management	1	46

Source: our elaboration.

The next step of our bibliometric analysis was the identification of the most frequently cited documents (Table 4). Our analysis pointed out that Matten and Moon is the most cited document (299 citations), followed by Christensen et al. (274 citations) and Hesselbarth and Schaltegger (156 citations).

Document	\mathbf{N}° of Citations
Matten and Moon (2004)	299
Christensen et al. (2007)	274
Hesselbarth and Schaltegger (2014)	156
Cornelius et al. (2007)	109
Gatti et al. (2019)	55
Setó-Pamies et al. (2011)	49
Doh and Tashman (2014)	46
Wright and Bennett (2011)	31

Table 4. Citations per authors/documents.

Source: our elaboration.

We also adopted another specific measure: the citations per year (CPY). Table 5 provides our findings, highlighting how Hesselbarth and Schaltegger is the document with the highest CPY value (17,3). The second place is taken by Matten and Moon (15,7), while the third belongs to Gatti et al. (13,7). Moreover, in addition to business, management, and accounting, we tried to identify the other thematic areas of the selected documents. Our analysis pointed out the following thematic areas: (i) engineering; (ii) economics, econometrics and finance; (iii) social sciences; (iv) decision sciences; (v) energy; (vi) environmental science; (vii) arts and humanities; (viii) medicine.

Table 5. Top five cited articles.

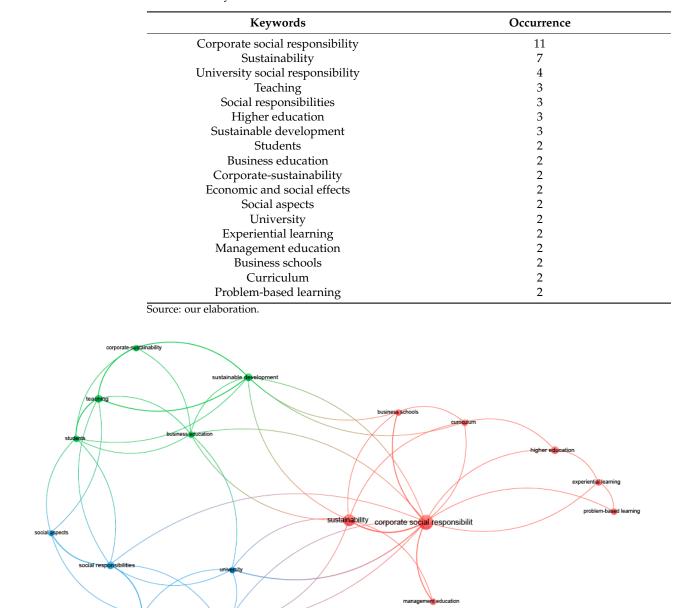
Authors	Title	Citations	СРҮ	Source	Country
Hesselbarth and Schaltegger (2014)	Educating change agents for sustainability—Learnings from the first sustainability management master of business administration	156	17.3	Journal of Cleaner Production, 62, pp. 24–36	Germany
Matten and Moon	Corporate social responsibility education in Europe	299	15.7	Journal of Business Ethics, 54: pp. 323–37	UK
Gatti et al. (2019)	Education for sustainable development through business simulation games: An exploratory study of sustainability gamification and its effects on students' learning outcomes	55	13.7	Journal of Cleaner Production 207, pp. 667–78	Switzerland
Cornelius et al. (2007)	An analysis of corporate social responsibility, corporate identity and ethics teaching in business schools	109	6.8	Journal of Business Ethics, 76: pp. 117–35	UK
Doh and Tashman (2014)	Half a world away: The integration and assimilation of corporate social responsibility, sustainability, and sustainable development in business school curricula	46	5.1	Corporate Social Responsibility and Environmental Management, 21: pp. 131–42.	USA

Source: our elaboration.

By conducting occurrence analysis, we found the most relevant keywords in 31 analyzed documents. We selected two as the minimum number of occurrences of a keyword and deleted useless words, discovering that corporate social responsibility, sustainability, university social responsibility, teaching, social responsibilities, higher education, and sustainable development are the most relevant keywords. Table 6 shows our findings.

Lastly, we also investigated all keywords clusters by conducting co-occurrence analysis, choosing the full counting method and selecting two as the minimum number of occurrences for a keyword. Our cluster analysis highlighted three main clusters. Cluster 1 (red colour) comprised corporate social responsibility, higher education, experiential learning, problem-based learning, sustainability, management education, business schools, and curriculum; cluster 2 (blue colour) comprised university social responsibility, university, economic and social effects, social responsibilities, and social aspects; cluster 3 (green colour) comprised students, teaching, business education, corporate-sustainability, and sustainable development (Figure 1).

Table 6. All keywords occurrence.



VOSviewer



3.2. Emerging Topics by Clusters

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From the cluster analysis, the following three main topics emerged: (I) CSR issues in the current corporate and economic world; (II) USR and the role of the university in disseminating knowledge about CSR; (III) new methods of teaching CSR and sustainability. In this subsection, we try to point out the main insights coming from the literature, providing a joint analysis of the previous topics.

The last few decades have been disrupted by many events that led to the demand for ethical standards and the sustainable development of public and private organizations (Cornelius et al. 2007; Burga et al. 2017). Multinational companies, financial service providers,

consultancies, non-profit organizations, and so on started to search for sustainability management experts (Deitche 2010; Kiron et al. 2012; Hesselbarth and Schaltegger 2014). In the light of these previous considerations, the need for the development of education about sustainability and CSR emerged (Boyle 1999; Gorski et al. 2017; Doh and Tashman 2014) and universities became essential for educating responsible leaders and managers (Raivio 2011; Osiemo 2012; Boulocher-Passet et al. 2019) and for the transition to a sustainable society (Corcoran and Wals 2004; Ferrer-Balas et al. 2010; Palma et al. 2011). The introduction of CSR teaching and learning led to many benefits. Introducing CSR issues into the curricula fosters a more positive attitude toward social responsibility, improving ethical decisions for society (Tormo-Carbó et al. 2019) and positively affecting business performance (Claver-Cortés et al. 2020).

Universities' legitimacy, granted by many stakeholders, relies on their ethical, moral, and functional impact on society (Golant and Sillince 2007): "The unique CSR engagement roles of universities include (1) elevating the functional and moral standards which guide them, (2) improving internally and externally the public arenas so that engagement defines and fosters positive social impact, and (3) fostering research, teaching, and community service as engagement that produces social impact by raising standards of moral and functional expectations that improve community" (Heath and Waymer 2021). The social role of the university goes beyond knowledge production and dissemination (Sitnikov et al. 2018; Ali et al. 2021), contributing to a deeper economic, social, sustainable, technological, legal, and cultural development and simultaneously promoting social justice (De la Cruz Ayuso and Santos 2008; Domanski et al. 2017; Mancha et al. 2017). In this scenario, it is possible to define USR "as the ability to develop and promote a group of principles and values through the development of four processes: management, teaching, research, and community outreach (Hernández and Saldarriaga 2009)" (Gomez 2014). USR practices foster interdisciplinary work between professors, researchers, deans, scientists, politicians, students, and external stakeholders characterised by ethical teaching, learning, training, and management (Bacigalupo 2008; Domanski et al. 2017).

Thus, universities are responsible for many stakeholders, among which include students, alumni, staff, and the local community (Ali et al. 2021), and they have to ensure fairness in accessing higher education and in order to improve teaching, research, and training (Phan et al. 2021). The role of universities is an exclusive one because building a sustainable tomorrow starts with the production and dissemination of knowledge. In the current scenario, there is a strong need for disseminating knowledge about CSR values, particularly, sustainability, ethical and moral values, human rights, and transparency (Esfijani and Chang 2012). Universities should not only provide students with opportunities to build business skills but also foster the understanding of business decisions and actions' consequences on society and the potential damage they could cause (Kolodinsky et al. 2010; Setó-Pamies et al. 2011).

The main changes universities made to improve CSR knowledge and dissemination refer to the "expansion of tuition, diversification of funding sources, organizational restructuring, planning, controls and accountability, linking and responsibility with the social environment; updating of knowledge and renewal of skills, as well as the definitive establishment of the action shared between university, the productive apparatus at local, regional and national levels, with the centers of public and private decision" (Hernández García de Velazco et al. 2020). Additionally, since the late 1990s, many universities have introduced sustainability topics into core and elective modules, especially at the MBA level (Christensen et al. 2007; Schroeder-Saulnier 2007; Wright and Bennett 2011; Brammer et al. 2012). According to Matten and Moon (2004), there are many differences in contextualisation, understanding, and the packaging of CSR teaching. The concept of sustainability can decline in several perspectives, especially in terms of the following: (i) green business promotion; (ii) ethics or legal compliance; (iii) entrepreneurship; (iv) opportunity for business continuity, security, and regional economic development (De Loura 2014). Focusing on the incorporation of CSR issues into the curricula, the literature highlighted

the following three different broad pedagogical approaches: (i) coverage of some CSR issues in an existing course; (ii) introduction of one or more separate courses that deal specifically with CSR issues; (iii) integration of CSR into disciplines, programs, and course material (Thomas 2004; Rusinko 2010; Pizzutilo and Venezia 2021).

The interconnection between teaching CSR, conducting day-to-day activities, and providing practical support allows students to easily apply their new knowledge and skills (Tokarčíková et al. 2015; Smith et al. 2018). CSR and sustainable development can be taught by using many methods and techniques, among which include the following four examples (Figueiró and Raufflet 2015; Gatti et al. 2019): case method, SL, PBL, and action and experiential learning. Case methods rely on the presentation of concrete management situations, in which students must actively engage in discussions to find valuable solutions (Mesny 2013; Reficco et al. 2019). SL implies students' participation in service-learning projects, interacting with many different stakeholders to understand the complexity and relevance of CSR and sustainability (Brundiers et al. 2010). PBL relies on the creation of a real problem and the involvement of students to find a valuable solution, exchanging information with their colleagues to acquire knowledge and critically reflect on the underlying issue (García-Rosell 2013; Gatti et al. 2019). Lastly, action and experiential learning allows cognitive engagement (MacVaugh and Norton 2012), and it relies on learning by acting (Shrivastava 2010) and involving students in critical and deep reflections by the adoption of discussions, projects, teamwork, and games (Gatti et al. 2019). Among these different techniques, simulation games seem particularly suited for providing a structured environment to understand and learn complex problems (Doyle and Brown 2000).

Additionally, CSR learning can be supported by a more effective use of mobile apps, Web 2.0 tools, and new technologies in general. The use of these tools is justified by three factors: (i) the new millennials and generation Z students are digital natives; (ii) new technologies allow students to be reached globally; (iii) new technologies can make learning easier (Montiel et al. 2020).

4. Conclusions and Future Research Agenda

During the last decades, the need for ethical standards, for the sustainable development of public and private organizations, and for sustainability management experts has emerged (Hesselbarth and Schaltegger 2014; Burga et al. 2017). This led universities to develop education about CSR and sustainability (Boyle 1999; Gorski et al. 2017), becoming pivotal in educating responsible leaders and managers (Raivio 2011; Osiemo 2012; Boulocher-Passet et al. 2019). Additionally, whether the introduction of CSR issues into the curricula allows a more positive attitude toward social responsibility has been studied, improving ethical decisions for societies (Tormo-Carbó et al. 2019) and positively affecting business performance (Claver-Cortés et al. 2020).

This paper provides an SLR study focused on how universities have improved CSR teaching. We aimed to answer the following three research questions: (I) How has CSR practices in the university literature developed in the field of business, management, and accounting? (II) What is the literature's focus on CSR teaching at universities? (III) What are the implications that arise for universities? Our bibliometric analysis answered the first research question, while cluster analysis and a literature review was conducted for the other two. This SLR relies only on 31 documents, suggesting that innovations in CSR teaching seem to be an immature field from a business, management, and accounting point of view. By conducting the cluster analysis, we found the following three main topics: (I) CSR issues in the current corporate and economic world; (II) USR and the role of the university in disseminating knowledge about CSR; (III) new methods of teaching CSR and sustainability.

Universities contribute to economic, social, sustainable, technological, legal, cultural development, and social justice (De la Cruz Ayuso and Santos 2008; Domanski et al. 2017; Mancha et al. 2017). USR practices foster interdisciplinary work characterised by ethical teaching, learning, training, and management (Bacigalupo 2008; Domanski

et al. 2017), and since the late 1990s, many universities have introduced CSR and sustainability topics into their curricula (Schroeder-Saulnier 2007; Wright and Bennett 2011; Brammer et al. 2012). By teaching CSR, conducting day-to-day activities, and providing practical support, universities facilitate students' application of their new knowledge and skills (Tokarčíková et al. 2015; Smith et al. 2018). Additionally, universities developed many methods and techniques to teach CSR and sustainable development, such as case method, SL, PBL, and action and experiential learning (Figueiró and Raufflet 2015; Gatti et al. 2019). Even with these considerations, the method of teaching promoted by universities is constantly updated, and there is still the need to identify new methods, techniques, and tools for teaching CSR and to disseminate it more widely.

This research has several limitations, among which include the analysis of a single specific field over the last two decades, the use of only one research database (Scopus), and the selection of a limited number of keywords to find and select documents. Thus, our future research techniques will be based on additional databases, such as Google Scholar, and keywords to increase the number of available documents. Additionally, we could decide to focus on other perspectives that are different from CSR teaching and adopt a comparison between different countries.

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Appendix A.	Documents'	Full L	ist
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NR.	Authors	Title	Year	Journal/Source
1	Pizzutilo, F., Venezia, E.	On the maturity of social responsibility and sustainability integration in higher education institutions: Descriptive criteria and conceptual framework	2021	International Journal of Management Education
2	Ali, M., Mustapha, I., Osman, S., Hassan, U.	University social responsibility: A review of conceptual evolution and its thematic analysis	2021	Journal of Cleaner Production
3	Heath, R.L., Waymer, D.	University Engagement for Enlightening CSR: Serving Hegemony or Seeking Constructive Change	2021	Public Relations Review
4	Phan, C.X., Van Le, L., Duong, D., Phan, T.C.	The Impact of Corporate Social Responsibility on Brand Image: A Case Study in Vietnam	2021	Journal of Asian Finance, Economics and Business
5	Claver-Cortés, E., Marco-Lajara, B., Úbeda-García, M., (), Sánchez-García, E., Poveda-Pareja, E.	Students' perception of CSR and its influence on business performance. A multiple mediation analysis	2020	Business Ethics
6	Hernández García de Velazco, J.J., Ravina Ripoll, R., Chumaceiro Hernandez, A.C.	Relevance and social responsibility of sustainable university organizations: Analysis from the perspective of endogenous capacities	2020	Entrepreneurship and Sustainability Issues

NR.	Authors	Title	Year	Journal/Source
7	Christy Jeril Singh, A., Anthony Raj, S., Samuel Joseph, C.	Corporate affairs courses in higher education: Computation of students' awareness level on CSR using predictive modeling techniques	2020	International Journal of Scientific and Technology Research
8	Montiel, I., Delgado-Ceballos, J., Ortiz-de-Mandojana, N., Antolin-Lopez, R.	New Ways of Teaching: Using Technology and Mobile Apps to Educate on Societal Grand Challenges	2020	Journal of Business Ethics
9	Reficco, E., Jaén, M.H., Trujillo, C.	Beyond Knowledge: A Study of Latin American Business Schools' Efforts to Deliver a Value-Based Education	2019	Journal of Business Ethics
10	García-Rosell, JC.	A Discursive Perspective on Corporate Social Responsibility Education: A Story Co-creation Exercise	2019	Journal of Business Ethics
11	Gatti, L., Ulrich, M., Seele, P.	Education for sustainable development through business simulation games: An exploratory study of sustainability gamification and its effects on students' learning outcomes	2019	Journal of Cleaner Production
12	Boulocher-Passet, V., Farache, F., Lonsdale, N., Popma, W.	A Practical Approach for Developing Social Consciousness and Responsibility in Marketing Students	2019	Palgrave Studies in Governance, Leadership and Responsibility
13	Smith, N.M., Smith, J.M., Battalora, L.A., Teschner, B.A.	Industry-University Partnerships: Engineering Education and Corporate Social Responsibility	2018	Journal of Professional Issues in Engineering Education and Practice
14	Sitnikov, C.S., Bocean, C., Tudor, S.	Integrating new visions of education models and CSR 2.0 towards University Social Responsibility (USR)	2018	Corporate Social Responsibility: Concepts, Methodologies, Tools, and Applications
15	Demetriou, M., Thrassou, A., Papasolomou, I.	Beyond teaching CSR and ethics in tertiary education: The case of the University of Nicosia, Cyprus (EU)	2018	World Review of Entrepreneurship, Management and Sustainable Development
16	Gorski, H., Fuciu, M., Dumitrescu, L.	Sustainability and corporate social responsibility (CSR): Essential topics for business education	2017	Balkan Region Conference on Engineering and Business Education
17	Burga, R., Leblanc, J., Rezania, D.	Analysing the effects of teaching approach on engagement, satisfaction and future time perspective among students in a course on CSR	2017	International Journal of Management Education
18	Mancha, R., Hallam, C., Wurth, B.	Licensing for good: Social responsibility in the university-industry technology transfer process	2017	PICMET 2016—Portland International Conference on Management of Engineering and Technology: Technology Management For Social Innovation, Proceedings

NR.	Authors	Title	Year	Journal/Source
19	Müller-Christ, G., Liebscher, A.K.	Transdisciplinary teaching of CSR by systemic constellations	2015	New Perspectives On Corporate Social Responsibility: Locating The Missing Link
20	Tokarčíková, E., Kucharčíková, A., uqurišová, M.	Education of students of the study program informatics in the field of corporate social responsibility	2015	Periodica Polytechnica Social and Management Sciences
21	De Loura, I.C.	Dilemmas in sustainability: A pedagogical approach to raise awareness on the key role businesses play to practice and promote sustainability	2014	Journal of Management Development
22	Doh, J.P., Tashman, P.	Half a world away: The integration and assimilation of corporate social responsibility, sustainability, and sustainable development in business school curricula	2014	Corporate Social Responsibility and Environmental Management
23	Gomez, L.	The importance of university social responsibility in Hispanic America: A responsible trend in developing countries	2014	Critical Studies on Corporate Responsibility, Governance and Sustainability
24	Hesselbarth, C., Schaltegger, S.	Educating change agents for sustainability—Learnings from the first sustainability management master of business administration	2014	Journal of Cleaner Production
25	García-Rosell, J.	Struggles over corporate social responsibility meanings in teaching practices: The case of hybrid problem-based learning	2013	Management Learning
26	Wright, N.S., Bennett, H.	Business ethics, CSR, sustainability and the MBA	2011	Journal of Management and Organization
27	Setó-Pamies, D., Domingo-Vernis, M., Rabassa-Figueras, N.	Corporate social responsibility in management education: Current status in Spanish universities	2011	Journal of Management and Organization
28	Mallen, C., Bradish, C.L., MacLean, J.	Are we teaching corporate citizens? Examining corporate social responsibility and sport management pedagogy	2008	International Journal of Sport Management and Marketing
29	Cornelius, N., Wallace, J., Tassabehji, R.	An analysis of corporate social responsibility, corporate identity and ethics teaching in business schools	2007	Journal of Business Ethics
30	Christensen, L.J., Peirce, E., Hartman, L.P., Hoffman, W.M., Carrier, J.	Ethics, CSR, and sustainability education in the Financial Times top 50 global business schools: Baseline data and future research directions	2007	Journal of Business Ethics
31	Matten, D., Moon, J.	Corporate social responsibility education in Europe	2004	Journal of Business Ethics

References

- Ali, Muhammad, Ishamuddin Mustapha, Sharina Osmand, and Umar Hassan. 2021. University social responsibility: A review of conceptual evolution and its thematic analysis. *Journal of Cleaner Production* 286: 1–19. [CrossRef]
- Bacigalupo, L. 2008. La responsabilidad social universitaria: Impactos institucionales e impactos sociales. *Educación Superior y Sociedad* 13: 53–63.
- Boulocher-Passet, Véronique, Francisca Farache, Nadia Lonsdale, and Wybe Popma. 2019. A Practical Approach for Developing Social Consciousness and Responsibility in Marketing Students. In *Responsible People*. Cham: Palgrave Macmillan, pp. 155–72.
- Boyle, Carol. 1999. Education, sustainability and cleaner production. Journal of Cleaner Production 7: 83–87. [CrossRef]
- Brammer, Stephen, Annie Powell, and Andrew Millington. 2012. Embedding sustainability in business schools: The state of the art in teaching and learning, research, and operations. *ICCSR Research Paper Series* 60: 1–27.
- Brundiers, Katja, Arnim Wiek, and Charles L. Redman. 2010. Real-world learning opportunities in sustainability: From classroom into the real world. *International Journal of Sustainability in Higher Education* 11: 308–24. [CrossRef]
- Burga, Ruben, Joshua Leblanc, and Davar Rezania. 2017. Analysing the effects of teaching approach on engagement, satisfaction and future time perspective among students in a course on CSR. *The International Journal of Management Education* 15: 306–17. [CrossRef]
- Caputo, Fabio, Lorenzo Ligorio, and Simone Pizzi. 2021. The Contribution of Higher Education Institutions to the SDGs. An Evaluation of Sustainability Reporting Practices. *Administrative Sciences* 11: 97. [CrossRef]
- Christensen, Lisa Jones, Ellen Peirce, Laura Pincus Hartman, W. Michael Hoffman, and Jamie Carrier. 2007. Ethics, CSR, and sustainability education in the Financial Times top 50 global business schools: Baseline data and future research directions. *Journal of Business Ethics* 73: 347–68. [CrossRef]
- Claver-Cortés, Enrique, Bartolome Marco-Lajara, Mercedes Úbeda-García, Francisco García-Lillo, Laura Rienda-García, Patrocinio Carmen Zaragoza-Sáez, and Esther Poveda-Pareja. 2020. Students' perception of CSR and its influence on business performance. A multiple mediation analysis. *Business Ethics: A European Review* 29: 722–36. [CrossRef]
- Corcoran, Peter Blaze, and Arjen E. Wals. 2004. *Higher Education and the Challenge of Sustainability*. Dordrecht: Kluwer Academic Publishers, vol. 10, p. 306. [CrossRef]
- Cornelius, Nelarine, James Wallace, and Rana Tassabehji. 2007. An analysis of corporate social responsibility, corporate identity and ethics teaching in business schools. *Journal of Business Ethics* 76: 117–35. [CrossRef]
- De Iorio, Serena, Giovanni Zampone, and Anna Piccolo. 2022. Determinant Factors of SDG Disclosure in the University Context. *Administrative Sciences* 12: 21. [CrossRef]
- De la Cruz Ayuso, Cristina, and Perú Sasia Santos. 2008. La responsabilidad de la universidad en el proyecto de construcción de una sociedad. *Educación Superior y Sociedad* 13: 17–53.
- De Loura, Isabel Canto. 2014. Dilemmas in sustainability: A pedagogical approach to raise awareness on the key role businesses play to practice and promote sustainability. *Journal of Management Development* 33: 594–602. [CrossRef]
- Deitche, Scott M. 2010. Green Collar Jobs: Environmental Careers for the 21st Century. Santa Barbara: ABC-CLIO.
- Doh, Jonathan P., and Peter Tashman. 2014. Half a world away: The integration and assimilation of corporate social responsibility, sustainability, and sustainable development in business school curricula. *Corporate Social Responsibility and Environmental Management* 21: 131–42. [CrossRef]
- Domanski, Dmitri, Jürgen Howaldt, and Antonius Schröder. 2017. Social Innovation in Latin America. *Journal of Human Development* and Capabilities 18: 307–12. [CrossRef]
- Doyle, Declan, and F. William Brown. 2000. Using a business simulation to teach applied skills-the benefits and the challenges of using student teams from multiple countries. *Journal of European Industrial Training* 24: 330–36. [CrossRef]
- Duque-Grisales, Eduardo, and Javier Aguilera-Caracuel. 2019. Environmental, social and governance (ESG) scores and financial performance of multilatinas: Moderating effects of geographic international diversification and financial slack. *Journal of Business Ethics* 168: 315–34. [CrossRef]
- Esfijani, Azam, and Elizabeth Chang. 2012. Metrics development for measuring virtual university social responsibility. Paper presented at 2012 IEEE 12th International Conference on Advanced Learning Technologies, Rome, Italy, July 4–6; pp. 724–25. [CrossRef]
- Ferrer-Balas, Didac, Rodrigo Lozano, Donald Huisingh, Heloise Buckland, Pere Ysern, and Gyula Zilahy. 2010. Going beyond the rhetoric: System-wide changes in universities for sustainable societies. *Journal of Cleaner Production* 18: 607–10. [CrossRef]
- Figueiró, Paola Schmitt, and Emmanuel Raufflet. 2015. Sustainability in higher education: A systematic review with focus on management education. *Journal of Cleaner Production* 106: 22–33. [CrossRef]
- García-Rosell, José-Carlos. 2013. Struggles over corporate social responsibility meanings in teaching practices: The case of hybrid problem-based learning. *Management Learning* 44: 537–55. [CrossRef]
- Gatti, Lucia, Markus Ulrich, and Peter Seele. 2019. Education for sustainable development through business simulation games: An exploratory study of sustainability gamification and its effects on students' learning outcomes. *Journal of Cleaner Production* 207: 667–78. [CrossRef]
- Golant, Benjamin D., and John A. A. Sillince. 2007. The constitution of organizational legitimacy: A narrative perspective. *Organization Studies* 28: 1149–67. [CrossRef]

- Gomez, Lina. 2014. The importance of university social responsibility in Hispanic America: A responsible trend in developing countries. In *Corporate Social Responsibility and Sustainability: Emerging Trends in Developing Economies*. Bingley: Emerald Group Publishing Limited.
- Gorski, Hortensia, Mircea Fuciu, and Luigi Dumitrescu. 2017. Sustainability and corporate social responsibility (CSR): Essential topics for business education. *Balkan Region Conference on Engineering and Business Education* 3: 413–21. [CrossRef]
- Heath, Robert L., and Damion Waymer. 2021. University engagement for enlightening CSR: Serving hegemony or seeking constructive change. *Public Relations Review* 47: 1–9. [CrossRef]
- Hernández, Rubén Darío, and Amparo Saldarriaga. 2009. Gestión de la responsabilidad social universitaria. Caso: Escuela de Ingeniería de Antioquia–EIA. *Dyna* 76: 237–48.
- Hernández García de Velazco, Judith Josefina, Rafael Ravina Ripoll, and Ana Cecilia Chumaceiro Hernandez. 2020. Relevance and social responsibility of sustainable university organizations: Analysis from the perspective of endogenous capacities. *Entrepreneurship and Sustainability Issues* 7: 2967–77. [CrossRef]
- Hesselbarth, Charlotte, and Stefan Schaltegger. 2014. Educating change agents for sustainability–learnings from the first sustainability management master of business administration. *Journal of Cleaner Production* 62: 24–36. [CrossRef]
- Kiron, David, Nina Kruschwitz, Knut Haanaes, and Ingrid von Streng Velken. 2012. Sustainability nears a tipping point. *MIT Sloan Management Review* 53: 69–74. [CrossRef]
- Kolk, Ans, and Rob van Tulder. 2010. International business, corporate social responsibility and sustainable development. *International Business Review* 19: 119–25. [CrossRef]
- Kolodinsky, Robert W., Timothy M. Madden, Daniel S. Zisk, and Eric T. Henkel. 2010. Attitudes about corporate social responsibility: Business student predictors. *Journal of Business Ethics* 91: 167–81. [CrossRef]
- Kraus, Sascha, Matthias Breier, and Sonia Dasí-Rodríguez. 2020. The art of crafting a systematic literature review in entrepreneurship research. *International Entrepreneurship and Management Journal* 16: 1023–42. [CrossRef]
- Lombardi, Rosa, Federico Schimperna, Paola Paoloni, and Michele Galeotti. 2021a. The climate-related information in the changing EU directive on non-financial reporting and disclosure: First evidence by Italian large companies. *Journal of Applied Accounting Research* 23: 250–73. [CrossRef]
- Lombardi, Rosa, Raffaele Trequattrini, Federico Schimperna, and Myriam Cano-Rubio. 2021b. The Impact of Smart Technologies on the Management and Strategic Control: A Structured Literature Review. *Management Control*, 11–30. [CrossRef]
- MacVaugh, Jason, and Mike Norton. 2012. Introducing sustainability into business education contexts using active learning. *International Journal of Sustainability in Higher Education* 13: 72–87. [CrossRef]
- Mancha, Ruben, Cory Hallam, and Bernd Wurth. 2017. Licensing for good: Social responsibility in the university-industry technology transfer process. Paper presented at 2016 Portland International Conference on Management of Engineering and Technology (PICMET), Honolulu, HI, USA, September 4–8; pp. 307–13. [CrossRef]
- Matten, Dirk, and Jeremy Moon. 2004. Corporate social responsibility education in Europe. *Journal of Business Ethics* 54: 323–37. [CrossRef]
- Mesny, Anne. 2013. Taking stock of the century-long utilization of the case method in management education. *Canadian Journal of Administrative Sciences/Revue Canadianne Des Sciences De l'Administration* 30: 56–66. [CrossRef]
- Montiel, Ivan, Javier Delgado-Ceballos, Natalia Ortiz-de-Mandojana, and Raquel Antolin-Lopez. 2020. New ways of teaching: Using technology and mobile apps to educate on societal grand challenges. *Journal of Business Ethics* 161: 243–51. [CrossRef]
- Osiemo, Lynette B. 2012. Developing responsible leaders: The university at the service of the person. *Journal of Business Ethics* 108: 131–43. [CrossRef]
- Palma, Lisiane Celia, Lessandra M. de Oliveira, and Keitiline R. Viacava. 2011. Sustainability in Brazilian federal universities. *International Journal of Sustainability in Higher Education* 18: 250–58. [CrossRef]
- Petticrew, Mark, and Helen Roberts. 2008. Systematic Reviews in the Social Sciences: A Practical Guide. Oxford: Blackwell Publishing.
- Phan, Cuong Xuan, Lam Van Le, Duy Duong, and Thuy Chung Phan. 2021. The Impact of Corporate Social Responsibility on Brand Image: A Case Study in Vietnam. *The Journal of Asian Finance, Economics and Business* 8: 423–31. [CrossRef]
- Pizzutilo, Fabio, and Elisabetta Venezia. 2021. On the maturity of social responsibility and sustainability integration in higher education institutions: Descriptive criteria and conceptual framework. *The International Journal of Management Education* 19: 1–15. [CrossRef]
 Raivio, Kari. 2011. Sustainability as an educational agenda. *Journal of Cleaner Production* 19: 1906–7. [CrossRef]
- Reficco, Ezequiel, María Helena Jaén, and Carlos Trujillo. 2019. Beyond knowledge: A study of Latin American business schools'
- efforts to deliver a value-based education. *Journal of Business Ethics* 156: 857–74. [CrossRef] Rusinko, Cathy A. 2010. Integrating sustainability in higher education: A generic matrix. *International Journal of Sustainability in Higher Education* 11: 250–59. [CrossRef]
- Russo, Sarah, Federico Schimperna, Rosa Lombardi, and Pasquale Ruggiero. 2021. Sustainability performance and social media: An explorative analysis. *Meditari Accountancy Research*. [CrossRef]
- Schimperna, Federico, Fabio Nappo, and Bruno Marsigalia. 2021. Student Entrepreneurship in Universities: The State-of-the-Art. *Administrative Sciences* 12: 5. [CrossRef]
- Schimperna, Federico, Rosa Lombardi, and Zhanna Belyaeva. 2020. Technological transformation, culinary tourism and stakeholder engagement: Emerging trends from a systematic literature review. *Journal of Place Management and Development* 14: 66–80. [CrossRef]

- Schroeder-Saulnier, D. 2007. "Both/and" Thinking in Organizational Leadership: A Grounded Theory Study. Webster University, p. 171. ISBN 9781109948790.
- Secundo, Giustina, Valentina Ndou, Pasquale Del Vecchio, and Gianluigi De Pascale. 2020. Sustainable development, intellectual capital and technology policies: A structured literature review and future research agenda. *Technological Forecasting and Social Change* 153: 1–21. [CrossRef]
- Setó-Pamies, Dolores, Misericordia Domingo-Vernis, and Noemí Rabassa-Figueras. 2011. Corporate social responsibility in management education: Current status in Spanish universities. *Journal of Management and Organization* 17: 604–20. [CrossRef]
- Shrivastava, Paul. 2010. Pedagogy of passion for sustainability. Academy of Management Learning and Education 9: 443-55. [CrossRef]
- Sitnikov, Catalina Soriana, Claudiu Bocean, and Sorin Tudor. 2018. Integrating New Visions of Education Models and CSR 2.0 towards University Social Responsibility (USR). In *Corporate Social Responsibility: Concepts, Methodologies, Tools, and Applications*. Hershey: IGI Global Publisher, pp. 1633–55.
- Smith, Nicole M., Jessica M. Smith, Linda A. Battalora, and Benjamin A. Teschner. 2018. Industry–university partnerships: Engineering education and corporate social responsibility. *Journal of Professional Issues in Engineering Education and Practice* 144. [CrossRef]
- Thomas, Ian. 2004. Sustainability in tertiary curricula: What is stopping it happening? *International Journal of Sustainability in Higher Education* 5: 33–47. [CrossRef]
- Tokarčíková, Emese, Alžbeta Kucharčíková, and Mária Ďurišová. 2015. Education of students of the study program informatics in the field of corporate social responsibility. *Periodica Polytechnica Social and Management Sciences* 23: 106–12. [CrossRef]
- Tormo-Carbó, Guillermina, Victor Oltra, Katarzyna Klimkiewicz, and Elies Seguí-Mas. 2019. "Don't try to teach me, I got nothing to learn": Management students' perceptions of business ethics teaching. *Business Ethics: A European Review* 28: 506–28. [CrossRef]
- Tranfield, David, David Denyer, and Palminder Smart. 2003. Towards a methodology for developing evidence-informed management knowledge by means of systematic review. *British Journal of Management* 14: 207–22. [CrossRef]
- Van Eck, Nees Jan, and Ludo Waltman. 2017. Citation-based clustering of publications using CitNetExplorer and VOSviewer. Scientometrics 111: 1053–70. [CrossRef]
- Venturelli, Andrea, Roberta Fasiello, and Simone Pizzi. 2021. CSR Education in Economia Aziendale Curricula: An Overview. *Administrative Sciences* 11: 137. [CrossRef]
- Wright, Norman S., and Hadyn Bennett. 2011. Business ethics, CSR, sustainability and the MBA. *Journal of Management and Organization* 17: 641–55. [CrossRef]