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SUSTAINABLE BUSINESS MANAGEMENT PRACTICES AND THEIR INFLUENCE ON LONG-TERM CORPORATE COMPETITIVENESS

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Abstract:

This article investigates the theoretical and strategic relationships between sustainable business management practices and long-term corporate competitiveness. Using comparative analysis, theoretical synthesis, systems thinking, and conceptual modeling, the study examines how environmental efficiency, social responsibility, corporate governance, and sustainable innovation may contribute to organizational value creation. An integrated sustainability management framework is developed that connects strategic planning, resource allocation, operational implementation, performance monitoring, and organizational learning with potential competitive outcomes. The proposed framework provides a methodological foundation for evaluating sustainability investments, improving managerial decision-making, and integrating environmental, social, and governance considerations into long-term corporate strategy.

Keywords:

Sustainable business management, corporate competitiveness, environmental sustainability, corporate social responsibility, ESG, sustainable innovation, resource efficiency, strategic management.

Introduction

The contemporary business environment is increasingly shaped by the interaction of economic competitiveness, environmental constraints, social expectations, and corporate governance requirements. Organizations operate under conditions characterized by technological transformation, resource scarcity, changing stakeholder preferences, supply chain uncertainty, and growing attention to the environmental and social consequences of economic activity. These developments have contributed to the increasing strategic relevance of sustainable business management, which seeks to integrate economic objectives with environmental responsibility, social considerations, and effective governance arrangements. Sustainable management is therefore no longer adequately understood as a collection of isolated environmental initiatives or philanthropic activities; it represents a broader managerial approach concerned with long-term organizational resilience, responsible resource utilization, stakeholder relationships, and the creation of durable economic value.

The concept of sustainable development is commonly associated with the report Our Common Future, published by the World Commission on Environment and Development (1987). The report established an influential framework for understanding development in relation to

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present and future needs, providing a foundation for subsequent research on sustainability in economic and organizational contexts. Within business management, sustainability involves considering how organizational decisions affect natural resources, employees, communities, customers, investors, and future economic opportunities. This perspective requires organizations to evaluate performance beyond short-term profitability and to consider the longer-term consequences of production, investment, employment, innovation, and governance practices.

An important theoretical contribution to sustainable business management is provided by Elkington (1997), whose triple bottom line framework emphasizes the economic, environmental, and social dimensions of organizational performance. This perspective challenges the assumption that corporate success should be assessed exclusively through financial indicators and encourages the consideration of multiple forms of organizational value creation. However, integrating these dimensions into business management is methodologically complex because environmental, social, and economic outcomes differ in their measurement, time horizons, and potential trade-offs. Organizations must therefore develop governance and evaluation mechanisms capable of distinguishing between financial performance, environmental impacts, stakeholder outcomes, and long-term strategic benefits.

The stakeholder theory developed by Freeman (1984) provides another foundation for understanding sustainable corporate management. According to this perspective, organizational performance is influenced by relationships with groups that affect or are affected by business activities, including employees, customers, suppliers, investors, communities, and regulatory institutions. Sustainable management practices may contribute to more stable stakeholder relationships by improving transparency, responsible conduct, employee well-being, product quality, and environmental accountability. Nevertheless, stakeholder interests may differ or conflict, requiring managers to establish transparent decision-making procedures and balance competing priorities within organizational resources and legal obligations.

The resource-based view of the firm offers an additional explanation of the relationship between sustainability and competitiveness. Barney (1991) argues that competitive advantage may arise from resources and capabilities that are valuable, rare, difficult to imitate, and effectively organized. Sustainable business practices may contribute to such capabilities when embedded in organizational knowledge, operational routines, supplier relationships, technological expertise, and corporate culture. Hart (1995) extends resource-based reasoning to the natural environment, suggesting that environmental capabilities can become strategically relevant to firm performance. This perspective provides a theoretical basis for examining how resource efficiency, pollution prevention, product stewardship, and sustainable innovation may support organizational differentiation and long-term competitiveness.

The economic relationship between environmental management and competitiveness has also been examined through the work of Porter and van der Linde (1995), who argue that appropriately designed environmental improvements may stimulate innovation and resource productivity. This argument suggests that environmental responsibility and economic efficiency need not always be mutually exclusive. Investments in energy efficiency, waste

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reduction, cleaner production, and process optimization may reduce certain operating costs while improving environmental performance. However, the economic benefits of sustainability initiatives are context-dependent and should not be assumed to exceed implementation costs in every organization or industry. Financial feasibility, technological conditions, regulatory requirements, and market demand remain important determinants of project outcomes.

Sustainable business management also encompasses social responsibility and corporate governance. Social practices may include employee health and safety, fair employment arrangements, professional development, responsible supply chain management, and engagement with affected communities. Governance practices may involve transparent reporting, ethical conduct, internal control, risk management, and clearly defined managerial accountability. These dimensions are frequently discussed within environmental, social, and governance frameworks, commonly referred to as ESG. Although ESG indicators can support organizational evaluation and investor communication, their interpretation requires careful attention to measurement consistency, materiality, and the distinction between reported policies and actual organizational outcomes.

The strategic importance of sustainability has increased as organizations seek to manage long-term risks and respond to changing market conditions. Climate-related disruptions, resource price volatility, technological shifts, supply chain vulnerabilities, and evolving customer expectations may influence corporate costs, investment decisions, and competitive positions. Sustainable management practices may strengthen organizational adaptability by encouraging more efficient resource utilization, supplier diversification, innovation, and systematic risk assessment. At the same time, sustainability transitions may involve substantial initial investment, organizational restructuring, technological uncertainty, and conflicts between short-term financial targets and longer-term strategic objectives.

For enterprises operating in emerging economies, sustainable management presents both opportunities and implementation challenges. Resource-efficient technologies, improved environmental management, employee development, and responsible governance may support productivity and access to new markets. However, limited financing, technological constraints, insufficient managerial expertise, and difficulties in measuring sustainability outcomes may restrict implementation. In Uzbekistan, the increasing relevance of resource efficiency, green economic development, industrial modernization, and responsible corporate management creates a practical need for organizational mechanisms that connect sustainability objectives with business strategy and measurable economic performance. Such mechanisms should be adapted to enterprise size, industry characteristics, available resources, and the institutional environment.

Despite the growing academic literature on corporate sustainability, an important methodological challenge concerns the integration of environmental, social, governance, and economic dimensions into a coherent business management system. Sustainability practices are often evaluated through separate environmental indicators, social initiatives, or governance disclosures, while their relationships with investment decisions, operational efficiency, innovation, and competitiveness remain difficult to assess comprehensively. This

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fragmentation may reduce the effectiveness of managerial decision-making and encourage the implementation of sustainability activities without sufficient strategic coordination or economic evaluation.

The objective of this study is to examine the theoretical relationships between sustainable business management practices and long-term corporate competitiveness and to develop an integrated organizational and economic framework for sustainability-oriented management. To achieve this objective, the research synthesizes major sustainability and strategic management theories, identifies the principal dimensions of sustainable business practices, evaluates potential mechanisms linking sustainability with competitive outcomes, develops a multidimensional performance evaluation system, and proposes a conceptual model for integrating sustainability into corporate strategy and operational management.

RESEARCH METHODOLOGY

This study employs a conceptual research design based on theoretical synthesis, comparative analysis, systems thinking, functional classification, and organizational modeling. The methodological approach is intended to examine the organizational and economic mechanisms through which sustainable business management practices may influence long-term corporate competitiveness. The research draws on established contributions in sustainable development, stakeholder theory, resource-based strategy, environmental management, corporate social responsibility, and sustainable innovation. Particular attention is given to identifying the conditions under which sustainability initiatives may contribute to economic value creation while also producing environmental and social outcomes.

The theoretical foundation combines the triple bottom line framework, stakeholder theory, the resource-based view, the natural-resource-based view, and dynamic capabilities theory. The triple bottom line provides a multidimensional perspective on organizational performance, while stakeholder theory explains the relevance of relationships with employees, customers, suppliers, investors, and communities. The resource-based and natural-resource-based views offer explanations of how sustainability-related organizational capabilities may contribute to competitive advantage. Dynamic capabilities theory provides a perspective for examining how firms may adapt their resources, technologies, and management practices in response to environmental and market changes.

Comparative analysis is used to distinguish conventional short-term management approaches from sustainability-oriented management across strategic planning, resource allocation, operational efficiency, risk management, stakeholder engagement, and performance evaluation. Functional classification is employed to identify the principal dimensions of sustainable business management, including environmental efficiency, social responsibility, corporate governance, sustainable innovation, and strategic integration. Conceptual modeling is then applied to organize these dimensions into a sequential management framework linking sustainability diagnostics, strategic alignment, investment planning, operational implementation, performance monitoring, and continuous improvement.

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Environmental performance may be assessed using energy intensity: EI = E / Q, where EI represents energy intensity, E denotes total energy consumption during the evaluation period, and Q represents physical production output or another appropriately defined activity measure. Interpretation depends on consistent production units and comparability across periods.

Greenhouse gas emissions intensity may be expressed as GEI = GHG / VA, where GHG denotes greenhouse gas emissions in carbon dioxide equivalent and VA represents organizational value added. Calculations should specify the emissions boundary, reporting period, and accounting methodology.

A multidimensional sustainability performance index may be represented as $SPI = \Sigma(w_i \times z_i)$, where z_i is a normalized sustainability indicator and w_i is its weight, with $\Sigma w_i = 1$. Indicator selection, normalization, and weighting should reflect organizational objectives and material sustainability issues; the index requires validation before operational interpretation.

The economic feasibility of sustainability investments may be evaluated through $NPV_S = \Sigma[(B_t - C_t)/(1 + r)^t] - I_0$, where B_t denotes attributable economic benefits, C_t operating and maintenance costs, r the discount rate, t the period, and I_0 initial investment. Environmental and social benefits should be monetized only when credible valuation methods exist; otherwise, they should be reported separately.

The study does not employ primary firm-level data, original surveys, controlled experiments, or econometric estimation. Consequently, the proposed relationships and management mechanisms are conceptual propositions intended to support future empirical investigation rather than independently verified causal findings.

RESULTS AND DISCUSSION

The theoretical synthesis identifies five principal dimensions of sustainable business management that may influence long-term corporate competitiveness: environmental efficiency, social responsibility, corporate governance, sustainable innovation, and strategic integration. These dimensions are interconnected and may contribute to organizational performance through different mechanisms. Environmental efficiency concerns the use of energy, water, materials, and other resources, while social responsibility relates to employee well-being, stakeholder relationships, and responsible business conduct. Corporate governance concerns transparency, accountability, risk management, and organizational control. Sustainable innovation involves the development and implementation of products, processes, and management practices that may improve environmental or social outcomes while supporting economic objectives. Strategic integration ensures that these dimensions are incorporated into corporate planning, investment decisions, and operational management rather than treated as isolated activities.

The conceptual analysis suggests that sustainability practices may influence competitiveness through cost efficiency, differentiation, risk reduction, stakeholder relationships, and organizational adaptability. Resource-efficient technologies may reduce energy or material consumption, thereby lowering certain operating costs. Responsible supply chain management may improve coordination and reduce exposure to selected operational risks. Transparent

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governance and credible sustainability practices may strengthen relationships with investors, customers, employees, and other stakeholders. Sustainable innovation may create opportunities for product differentiation and the development of new business models. However, the magnitude and direction of these effects depend on organizational capabilities, market conditions, investment costs, and implementation quality.

Table 1. Sustainable business management dimensions and their potential competitive implications

Dimension	Management practices	Potential contribution	Indicators
Environmental efficiency	Energy, waste, resource management	Lower resource intensity	Energy, material use, waste
Social responsibility	Employee development, safety, engagement	Workforce stability and trust	Retention, safety, training
Corporate governance	Transparency, internal control, ethics	Accountability and risk management	Compliance, audit findings
Sustainable innovation	Cleaner technology, eco-design	Differentiation and improvement	Innovation and savings
Strategic integration	Sustainability in planning	Strategic alignment	Targets and reviews

Source: Developed by the author based on sustainability management and strategic management literature.

The classification demonstrates that sustainable business management should be evaluated as a multidimensional organizational system. Environmental efficiency indicators may provide information about resource utilization, but they do not fully capture social responsibility or governance quality. Similarly, corporate sustainability policies do not necessarily demonstrate effective implementation or measurable environmental outcomes. A comprehensive evaluation requires organizations to distinguish managerial commitments, implemented practices, intermediate performance indicators, and realized economic or sustainability outcomes.

The relationship between environmental efficiency and competitiveness can be examined through resource productivity. Energy, water, raw materials, and waste management represent important components of operating costs in many industries. Improvements in resource efficiency may reduce unit production costs when the economic value of resource savings exceeds corresponding investment and operating expenses. Cleaner production technologies may improve process stability, reduce waste treatment requirements, and support compliance with environmental standards. However, environmental investments may involve substantial capital expenditure, technological uncertainty, and maintenance requirements, making economic appraisal essential.

The social dimension of sustainable business management is closely connected with human capital and stakeholder relationships. Employee health and safety, fair employment practices, professional development, and opportunities for participation may contribute to organizational

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stability and the effective utilization of human resources. Stakeholder engagement may help organizations identify operational concerns, manage conflicts, and understand changing expectations. Nevertheless, the relationship between social responsibility and financial performance is complex and may depend on industry conditions, organizational credibility, and integration into business operations.

Corporate governance provides the institutional foundation for implementing sustainability objectives. Clear responsibilities, transparent reporting, internal controls, and effective risk management may strengthen the credibility and continuity of sustainability initiatives. Without appropriate governance, activities may remain fragmented, poorly monitored, or disconnected from investment decisions. Sustainability reporting requires reliable data collection, consistent measurement boundaries, and independent verification where appropriate. Governance quality is important for ensuring that commitments translate into operational practices.

Sustainable innovation represents a potential mechanism linking environmental and social objectives with long-term competitive advantage. Organizations may develop resource-efficient products, introduce cleaner production processes, redesign packaging, improve logistics, or establish circular resource management practices. Such innovations may contribute to differentiation, resource productivity, and new market segments. However, outcomes depend on technological feasibility, customer demand, investment capacity, and commercialization capability. Innovation should be assessed through both implementation indicators and measures of economic and environmental value.

Table 2. Comparison of conventional and sustainability-oriented business management

Criterion	Conventional orientation	Sustainability-oriented approach
Strategy	Immediate financial performance	Financial performance and resilience
Resources	Cost control in existing processes	Efficiency and lifecycle considerations
Investment	Short-term financial returns	Returns and long-term risks
Stakeholders	Transactional relationships	Engagement and accountability
Innovation	Productivity and growth	Productivity, growth, sustainability
Risk	Financial and operational	Financial, environmental and social
Measurement	Financial indicators	Integrated financial and nonfinancial
Governance	Compliance and control	Integrated sustainability accountability

Source: Author-developed comparison based on sustainability and strategic management concepts.

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Sustainability-oriented management expands the scope of corporate decision-making rather than replacing economic objectives. Financial viability remains essential for continuity, but longer-term competitiveness may also depend on resource availability, environmental risks, stakeholder relationships, and adaptability. Integration may support more comprehensive investment and risk assessment. Sustainability objectives may nevertheless create trade-offs that require transparent evaluation, particularly when improvements involve substantial costs or conflicting stakeholder interests.

A central conceptual result is an integrated sustainability management framework connecting strategic objectives, organizational capabilities, investment decisions, operational implementation, and performance monitoring. The framework addresses fragmented sustainability initiatives by establishing a continuous management process through which environmental, social, and governance considerations enter corporate decision-making.

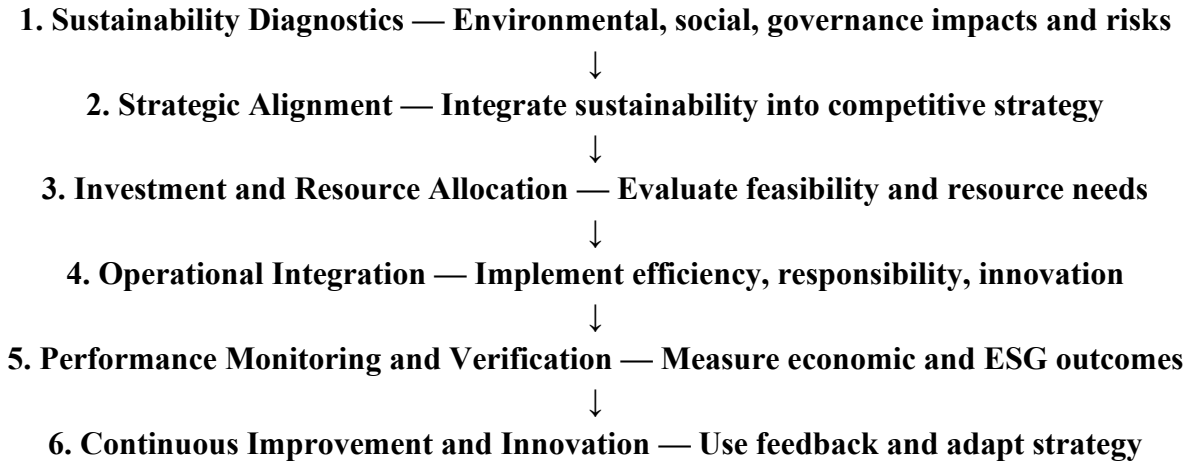


Figure 1. Integrated sustainable business management framework

Source: Author-developed conceptual framework based on sustainability management and strategic management literature.

The first stage involves sustainability diagnostics. Organizations should identify principal environmental impacts, social responsibilities, governance conditions, and sustainability-related risks. Assessment may include energy and material consumption, waste generation, workplace safety, employee development, supplier practices, and governance procedures. The purpose is to establish a reliable baseline and identify issues materially relevant to operations and strategic objectives. The assessment should consider industry, size, geography, and resources.

The second stage focuses on strategic alignment. Sustainability objectives should enter corporate strategy, investment planning, operational targets, and managerial responsibilities. Management should identify relationships with cost efficiency, market positioning, risk reduction, innovation, and resilience. Alignment involves establishing priorities and

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recognizing trade-offs among financial, environmental, and social objectives. Without clear priorities, sustainability initiatives may remain disconnected from core activities.

The third stage concerns investment planning and resource allocation. Initiatives may require cleaner technologies, energy-efficient equipment, employee training, information systems, supplier development, and governance mechanisms. Investments should be evaluated using net present value, payback, and scenario assessment. Nonfinancial outcomes may be strategically important but difficult to monetize; separating them from financial returns is necessary for transparent evaluation.

The fourth stage involves operational integration across production, procurement, logistics, human resources, marketing, and governance. Environmental efficiency may require energy management and waste reduction, social measures may require safety and development programs, and governance may require internal controls and reporting. Operational integration is essential because sustainability strategies generate value only when they influence actual processes.

The fifth stage focuses on monitoring and verification. Environmental measures may include energy intensity, emissions intensity, material efficiency, and waste. Social measures may include safety, retention, training, and engagement. Governance indicators may address compliance, control, transparency, and risk. Economic measures should include operating costs, investment returns, productivity, and relevant competitive performance. External verification can strengthen data reliability where feasible.

The sixth stage emphasizes continuous improvement and innovation. Organizations should review results, identify barriers, reassess priorities, and adapt practices to changing technologies and markets. This process can encourage new products, more efficient production, better supplier relationships, and stronger capabilities. Continuous improvement connects sustainability management with dynamic capabilities through learning and adaptation.



Figure 2. Conceptual relationship between sustainable management and competitiveness

Source: Author-developed conceptual model; relationships require empirical validation.

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The model emphasizes that sustainability practices may contribute to competitiveness when they strengthen capabilities and generate measurable outcomes. Environmental initiatives may act through resource productivity and cost efficiency, social practices through workforce stability and stakeholder relationships, governance through risk management and credibility, and innovation through differentiation and adaptation. These mechanisms do not guarantee positive financial outcomes and should be evaluated against costs, markets, and capabilities.

The economic assessment of sustainable management requires attention to time horizons and uncertainty. Some investments may yield immediate savings, while others generate benefits over longer periods through risk reduction, learning, or market positioning. Evaluation should use appropriate discount rates, realistic assumptions, and sensitivity analysis. Where environmental or social benefits cannot be reliably monetized, transparent nonfinancial reporting is preferable to unsupported financial estimates.

Eccles, Ioannou and Serafeim (2014) investigate organizational processes and performance associated with sustainability, while Friede, Busch and Bassen (2015) synthesize empirical research on ESG and corporate financial performance. These contributions support examining sustainability and organizational outcomes while distinguishing associations from causal effects. The present study builds on this literature by proposing an integrated framework for future firm-level testing.

Sustainability management systems should be adapted to organizational resources and industry characteristics. Large corporations may establish specialist departments and advanced monitoring infrastructure, while smaller enterprises may initially focus on feasible energy efficiency, waste reduction, workplace safety, supplier coordination, and governance. In both cases, effectiveness depends on strategic alignment, commitment, reliable measurement, and learning.

The conceptual contribution lies in connecting environmental, social, and governance practices with organizational mechanisms and potential competitive outcomes through a unified management framework. This supports a systematic understanding of sustainability as an integrated strategic process and a basis for future research on investments, capabilities, market conditions, and long-term performance.

CONCLUSION

This study examined theoretical and strategic relationships between sustainable business management practices and long-term corporate competitiveness and developed an integrated conceptual framework. Environmental efficiency, social responsibility, corporate governance, sustainable innovation, and strategic integration were identified as principal dimensions. They may influence competitiveness through resource productivity, stakeholder relationships, risk management, resilience, and innovation. Their potential effects depend on context, investment feasibility, capabilities, and market conditions.

The research demonstrated the importance of integrating sustainability into corporate strategy rather than treating it as separate initiatives. Sustainability-oriented management incorporates long-term resource constraints, stakeholder expectations, governance quality, and

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environmental and social risks. Financial viability remains essential. Effective management therefore requires systematic evaluation of economic, environmental, and social objectives and their trade-offs.

A six-stage framework was developed encompassing diagnostics, strategic alignment, investment and resource allocation, operational integration, monitoring, and continuous improvement. It connects sustainability objectives with organizational processes and translates strategic commitments into measurable activities. Its contribution lies in combining ESG and economic considerations within a continuous management cycle.

The study proposed a multidimensional evaluation approach incorporating energy intensity, emissions intensity, sustainability performance indicators, and net present value. These measures may support systematic evaluation when boundaries, data quality, weights, and financial assumptions are clearly defined. Separating monetized economic benefits from nonfinancial environmental and social outcomes is essential for transparency.

Organizations should prioritize sustainability initiatives addressing material risks and credible opportunities for resource efficiency, employee well-being, governance, or innovation. Strategies should align with capabilities, industry requirements, and financial resources. Management should establish responsibilities, monitoring systems, and mechanisms for assessing implementation and outcomes. Such practices may support adaptability and long-term competitive capabilities.

The principal limitation is the conceptual research design. The framework has not been empirically validated using firm-level datasets, longitudinal observations, or econometric models. Future research should examine sustainability, resource productivity, innovation, governance, and financial performance across industries and sizes, including institutional conditions and the economic feasibility of investments.

REFERENCES

1. Barney, J.B. (1991) ‘Firm resources and sustained competitive advantage’, Journal of Management, 17(1), pp. 99–120. https://doi.org/10.1177/014920639101700108

2. Carroll, A.B. (1991) ‘The pyramid of corporate social responsibility: Toward the moral management of organizational stakeholders’, Business Horizons, 34(4), pp. 39–48. https://doi.org/10.1016/0007-6813(91)90005-G

3. Dyllick, T. and Hockerts, K. (2002) ‘Beyond the business case for corporate sustainability’, Business Strategy and the Environment, 11(2), pp. 130–141. https://doi.org/10.1002/bse.323

4. Eccles, R.G., Ioannou, I. and Serafeim, G. (2014) ‘The impact of corporate sustainability on organizational processes and performance’, Management Science, 60(11), pp. 2835–2857. https://doi.org/10.1287/mnsc.2014.1984

5. Elkington, J. (1997) Cannibals with Forks: The Triple Bottom Line of 21st Century Business. Oxford: Capstone.

6. Freeman, R.E. (1984) Strategic Management: A Stakeholder Approach. Boston, MA: Pitman.

This work is published under CC BY-NC-ND 4.0

7. Friede, G., Busch, T. and Bassen, A. (2015) 'ESG and financial performance: Aggregated evidence from more than 2000 empirical studies', Journal of Sustainable Finance & Investment, 5(4), pp. 210–233. https://doi.org/10.1080/20430795.2015.1118917
8. Hart, S.L. (1995) 'A natural-resource-based view of the firm', Academy of Management Review, 20(4), pp. 986–1014. https://doi.org/10.5465/amr.1995.9512280033
9. Hart, S.L. and Dowell, G. (2011) 'A natural-resource-based view of the firm: Fifteen years after', Journal of Management, 37(5), pp. 1464–1479. https://doi.org/10.1177/0149206310390219
10. Lozano, R. (2015) 'A holistic perspective on corporate sustainability drivers', Corporate Social Responsibility and Environmental Management, 22(1), pp. 32–44. https://doi.org/10.1002/csr.1325
11. Porter, M.E. and Kramer, M.R. (2011) 'Creating shared value', Harvard Business Review, 89(1–2), pp. 62–77.
12. Porter, M.E. and van der Linde, C. (1995) 'Toward a new conception of the environment–competitiveness relationship', Journal of Economic Perspectives, 9(4), pp. 97–118. https://doi.org/10.1257/jep.9.4.97
13. Schaltegger, S., Lüdeke-Freund, F. and Hansen, E.G. (2012) 'Business cases for sustainability: The role of business model innovation for corporate sustainability', International Journal of Innovation and Sustainable Development, 6(2), pp. 95–119. https://doi.org/10.1504/IJISD.2012.046944
14. Teece, D.J., Pisano, G. and Shuen, A. (1997) 'Dynamic capabilities and strategic management', Strategic Management Journal, 18(7), pp. 509–533.
15. World Commission on Environment and Development (1987) Our Common Future. Oxford: Oxford University Press.

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