Towards circular economy implementation: a comprehensive review in context of manufacturing industry [1]

This review paper aims to analyse the research landscape and context of circular economy research so far, explore the perspective on it that combines aspects of resources scarcity, environmental impact and economic benefits, and develop a framework mainly for the manufacturing industry, based on these aspects.

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Scientific article

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Type of evidence:
- Scientific articles [3]

Sectors:
- Manufacturing [4]

Policy changes:
- Tax and other economic incentives [5]
- Information campaigns/labels [6]
Expected changes of economic processes:

- Efficient use of resources [7]
- More recycling and use of recycled materials [8]
- Remanufacturing, refurbishment and reuse of products and components [9]
- More circular design [10]

Environmental impacts:

- Use of resources [11]
- Pollution [12]

Economic impacts:

- Growth [13]
- Employment [14]
- Economic structure [15]

Time frame for impacts to materialize:

- Not specified/not applicable [16]

Enabling factors:

- Environmental awareness of consumers [17]
- Changes to corporate culture [18]

Administrative level:

- EU [19]
- National [20]
- Industry [21]

Method of valuation:

- Qualitative assessment [22]

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