Literature review for Scaffold

Search engine: Scopus

Keyword strings:

(“Sustainability education” OR “climate pedagogy” OR “climate change education” OR “climate education” OR “resilience education”) AND “engineering”

348 documents found

2010-2025: 321 documents

**Manual abstract scan:** selecting articles focused on practical frameworks and case studies to incorporate sustainability and climate pedagogy. Excluding articles that explore the gaps in current curricula or empirical articles that attempt to measure the level of sustainability implementation in current curricula. Excluding article about Online Education. Focus on higher education, excluding articles that do not target higher education. Reviews that offer a framework or insights into curriculum best practices were included. Studies on perspectives (students, faculty, directors) were excluded.

155 documents included

**Saved to: Sustainability in Engineering Education (list)**

New search string:

* (“Sustainability\*” OR “climate” OR “resilience”) AND “engineering education” , English only
* 2010-2025

4,7791

Filters:

* Limit to Engineering, Social Sciences (for pedagogy), Environmental Science, and Energy
* Include only review articles, research articles, conference papers.

3,252 documents found

* Limit to key journals:
  + ASEE Annual Conference and Exposition Conference Proceedings
  + Sefi Annual Conferences of the European Society for Engineering Education
  + International Journal of Engineering Education
  + International Journal of Sustainability in Engineering Education
  + European Journal of Engineering Education
  + Journal of Professional Issues in Engineering Education and Practice
  + Journal of Engineering Education

1,185 documents found

**Saved to: Work in Progress - Sust in eng education 2**

New filter 2015-2025: 847 documents found: **Saved to WIP- SEE3**

Older papers (2015-2020): 285 documents

filter by citation: higher than 10 (66 documents): Manual abstract scan

42 documents added to the **Sustainability in Engineering Education (list)**

Newer papers (2021-2025): 562 documents

Manual scan

130 articles added to **Sustainability in Engineering Education (list)**

**Total: 327 documents saved to SEE list**

**Next step: finish downloading the ASEE conference papers (listed on a different tag on scopus.xls**

**Added: EOP resources in ASEE-EOP webpage.**