Supplementary Search Strategy S5

Buildings manuscript buildings-4586492. Search date reported in the manuscript: 20 September 2026. Five parallel search sets were used in Scopus and Web of Science Core Collection without database-stage restrictions on year, language, subject area, or document type. Counts below are the recorded search-set yields before cross-set and cross-database deduplication.

Provenance: the Scopus expressions and one complete Web of Science example (S3) are transcribed from the retained search note. Web of Science S1, S2, S4 and S5 are expanded from that note's documented rule of replacing the Scopus field wrapper TITLE-ABS-KEY(...) with TS=(...) while preserving the Boolean terms. The saved note is not an export of the database search histories. These four expressions are reconstructed equivalents, not authenticated verbatim executed strings. The recorded yields belong to the original search note and cannot alone validate the reconstructed syntax. An exact historical query audit would require the original WoS search history, which was unavailable for this revision.

S1. WWCB and wood–cement context

Scopus (n = 244)

```
TITLE-ABS-KEY(
("wood wool cement board*" OR "wood-wool cement board*" OR WWCB
OR "wood cement board*" OR "wood-cement board*"
OR "cement bonded wood*" OR "cement-bonded wood*"
OR "wood cement composite*" OR "wood-cement composite*")
)
```

Web of Science Core Collection, Topic search (n = 207) — expanded from saved rule

```
TS=(
("wood wool cement board*" OR "wood-wool cement board*" OR WWCB
OR "wood cement board*" OR "wood-cement board*"
OR "cement bonded wood*" OR "cement-bonded wood*"
OR "wood cement composite*" OR "wood-cement composite*")
)
```

S2. Calcium chloride and lignocellulosic systems

Scopus (n = 485)

```
TITLE-ABS-KEY(
("calcium chloride" OR CaCl2)
AND
(
wood OR "wood wool" OR "wood-wool"
OR lignocellulos* OR lignocellulosic
OR "wood cement" OR "wood-cement"
OR "cement bonded wood" OR "cement-bonded wood"
)
)
```

Web of Science Core Collection, Topic search (n = 420) — expanded from saved rule

```
TS=(
("calcium chloride" OR CaCl2)
AND
(
wood OR "wood wool" OR "wood-wool"
OR lignocellulos* OR lignocellulosic
```

```
OR "wood cement" OR "wood-cement"
OR "cement bonded wood" OR "cement-bonded wood"
)
)
```

S3. Calcium formate and lignocellulosic systems

Scopus (n = 5)

```
TITLE-ABS-KEY(
("calcium formate" OR "calcium methanoate")
AND
(
wood OR "wood wool" OR "wood-wool"
OR lignocellulos* OR lignocellulosic
OR "wood cement" OR "wood-cement"
OR "cement bonded wood" OR "cement-bonded wood"
)
)
```

Web of Science Core Collection, Topic search (n = 7) — directly transcribed from saved note

```
TS=(
("calcium formate" OR "calcium methanoate")
AND
(
wood OR "wood wool" OR "wood-wool"
OR lignocellulos* OR lignocellulosic
OR "wood cement" OR "wood-cement"
OR "cement bonded wood" OR "cement-bonded wood"
)
)
```

S4. Calcium chloride and cement hydration

Scopus (n = 838)

```
TITLE-ABS-KEY(
("calcium chloride" OR CaCl2)
AND
(cement* OR clinker OR C3S OR "tricalcium silicate"
OR C3A OR "tricalcium aluminate")
AND
(hydrat* OR setting OR "early strength"
OR calorimetr* OR microstructur*)
)
```

Web of Science Core Collection, Topic search (n = 736) — expanded from saved rule

```
TS=(
("calcium chloride" OR CaCl2)
AND
(cement* OR clinker OR C3S OR "tricalcium silicate"
OR C3A OR "tricalcium aluminate")
AND
(hydrat* OR setting OR "early strength"
OR calorimetr* OR microstructur*)
)
```

S5. Calcium formate and cement hydration

Scopus (n = 114)

```
TITLE-ABS-KEY(
("calcium formate" OR "calcium methanoate")
AND
(cement* OR clinker OR C3S OR "tricalcium silicate"
OR C3A OR "tricalcium aluminate")
AND
(hydrat* OR setting OR "early strength"
```

```
OR calorimetr* OR microstructur*)
)
```

Web of Science Core Collection, Topic search (n = 97) — expanded from saved rule

```
TS=(
("calcium formate" OR "calcium methanoate")
AND
(cement* OR clinker OR C3S OR "tricalcium silicate"
OR C3A OR "tricalcium aluminate")
AND
(hydrat* OR setting OR "early strength"
OR calorimetr* OR microstructur*)
)
```

Totals before deduplication: Scopus 1686; Web of Science 1467; combined 3153. The manuscript reports removal of 1155 duplicate entries, leaving 1998 unique records. The sums of search-set yields may include duplicates across sets and databases.