**Literature search strategy:**

The keywords used in literature search were “soil tillage”, “no-tillage”, “reduced tillage”, “CH4”, “N2O”, and “greenhouse gas emission”.

The literature search was conducted in the ISI-Web of Science and Google Scholar.

The literature search strategy were:

1. “soil tillage” and “CH4” within all years
2. “soil tillage” and “N2O” within all years
3. “soil tillage” and “greenhouse gas emission” within all years
4. “no-tillage” and “CH4” within all years
5. “no-tillage” and “N2O” within all years
6. “no-tillage” and “greenhouse gas emission” within all years
7. “reduced tillage” and “CH4” within all years
8. “reduced tillage” and “N2O” within all years
9. “reduced tillage” and “greenhouse gas emission” within all years