



Google Scholar

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<https://scholar.google.com>

Description:

- References and full-text articles for various summarized research, including **systematic reviews**
- Free
- **Google Scholar consists of uncured content**

Question

What are the effects of using **activated sludge systems** to treat **wastewater**?

**Search element /
PICO**

Problem (P): Wastewater

Intervention (I): Activated sludge systems

Search

- Click on the three lines in the top left corner and select Advanced search.
- Combine synonyms within the same search element with OR, and create parentheses around them.
- Different search items are automatically combined with AND at spaces.
- Put phrases in quotation marks ("systematic review")
- Searches anywhere in the text. Type allintitle: in front of the search terms to match only in the title (remember the lowercase a).
- You can also omit the search element for study design (S), and narrow the search results to Review articles on the left side.
- Consider narrowing down to relevant publication years

Search (P) AND (I) AND (S): wastewater AND "active sludge" AND "systematic review"

A possible answer

Aghalari, Z., Dahms, H.-U., Sillanpää, M., Sosa-Hernandez, J. E. & Parra-Saldívar, R. (2020). Effectiveness of wastewater treatment systems in removing microbial agents: a systematic review. *Globalization and Health*, 16(1), 13. <https://doi.org/10.1186/s12992-020-0546-y>