

IMPORTANT - Always follow good note-taking practices when completing a matrix. Note page numbers for all information so that you can easily re-locate it. Paraphrase and summarize accurately, and indicate all direct quotes with quotation marks so that you do not inadvertently plagiarize when you write your draft. To review paraphrasing and summarizing, see "Module 3: Referencing" on the Learning Hub.

Bibliographic Information		Abstracting: record relevant characteristics and findings				Appraising: assess the quality of the review (based off of R) Checklist for Systematic			Aligning: state how the source contributes to your research question		
Author(s) / Year / Book	Publication date	Keywords (list the keywords that you require for your program)	Journal	Research question(s) and rationale	Research design and methods	How did the study collect relevant data?	How was the data analyzed?	How do the authors address the research question?	How do the authors address the research question?	How do the authors address the research question?	How do the authors address the research question?
Brown Ashby et al. 2020	2020	Microplastics, wastewater treatment plants, separation, identification	Journal of Environmental Management	To present current methodologies for detecting microplastics in wastewater treatment plants	Literature search strategies and critical appraisal methods not stated	Need to compare current data to lack of standard methodologies used across the field and efficient	Need standard protocols for removing MP in WWTP across the field and efficient	Author summarizes literature as specified in the review questions and then offers some conclusions based on the reviewed studies. Not a limitation for the study questions, but a limitation for comparing results	Author summarizes literature as specified in the review questions and then offers some conclusions based on the reviewed studies. Not a limitation for the study questions, but a limitation for comparing results	How do the authors address the research question?	How do the authors address the research question?
Horvath et al. 2021	2021	Microplastics, wastewater treatment plants, sewage sludge, pollution	Journal of Cleaner Production	To present current methodologies for detecting microplastics in wastewater treatment plants and wastewater sludge and use a novel approach	Literature search strategies and critical appraisal methods not stated	Need to compare current data to lack of standard methodologies used across the field and efficient	Need standard protocols for removing MP in WWTP across the field and efficient	Author summarizes literature as specified in the review questions and then offers some conclusions based on the reviewed studies. Not a limitation for the study questions, but a limitation for comparing results	Author summarizes literature as specified in the review questions and then offers some conclusions based on the reviewed studies. Not a limitation for the study questions, but a limitation for comparing results	How do the authors address the research question?	How do the authors address the research question?
Wakelin Tavares et al. 2020	2020	Microplastics, wastewater treatment plants, sludge, identification	Process Safety and Environmental Protection	To facilitate understanding of microplastics wastewater and their wastewater treatment plants and also the methods for microplastic detection	systematic literature search. Search Engine used was Google Scholar. When last search was 2020-03-01. The authors used the following keywords: "wastewater and microplastics" and "wastewater treatment plants and microplastics" and "wastewater treatment plants and microplastics detection"	Significant output of research from 2017-2020. A lot of identification in wastewater and WWTPs compared to surface water. Significant number of publications in the last year. The authors also mention that the number of articles reviewed was 100	Methodological approach was used to identify relevant articles. The authors also mention that the number of articles reviewed was 100	Author summarizes literature as specified in the review questions and then offers some conclusions based on the reviewed studies. Not a limitation for the study questions, but a limitation for comparing results	Author summarizes literature as specified in the review questions and then offers some conclusions based on the reviewed studies. Not a limitation for the study questions, but a limitation for comparing results	How do the authors address the research question?	How do the authors address the research question?
Kang et al. 2020	2020	Microplastics, wastewater treatment plants, separation, environmental	Science of the Total Environment	To identify existing wastewater treatment plants, separation, environmental	search strategy search engine (i.e. web of science) keywords ("wastewater treatment plants and microplastics" and "wastewater treatment plants and microplastics separation") and "wastewater treatment plants and microplastics separation"	Significant output of research from 2017-2020. A lot of identification in wastewater and WWTPs compared to surface water. Significant number of publications in the last year. The authors also mention that the number of articles reviewed was 100	Methodological approach was used to identify relevant articles. The authors also mention that the number of articles reviewed was 100	Author summarizes literature as specified in the review questions and then offers some conclusions based on the reviewed studies. Not a limitation for the study questions, but a limitation for comparing results	Author summarizes literature as specified in the review questions and then offers some conclusions based on the reviewed studies. Not a limitation for the study questions, but a limitation for comparing results	How do the authors address the research question?	How do the authors address the research question?