

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 was the data reported?	How do the authors' conclusions and/or recommendations contribute to your research question? How do the authors' conclusions and/or recommendations contribute to your research question?	How do the authors' conclusions and/or recommendations contribute to your 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 reviewing MP in WWTP across that are quick and efficient	Author summarizes limitations as specified in the review objectives and lists other authors conclusions from the review studies. Not a limitation for the study specifically, but a limitation for comparing results	How do the authors' conclusions and/or recommendations contribute to your research question?	How do the authors' conclusions and/or recommendations contribute to your 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 research updates	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 reviewing MP in WWTP across that are quick and efficient	Author summarizes limitations as specified in the review objectives and lists other authors conclusions from the review studies. Not a limitation for the study specifically, but a limitation for comparing results	How do the authors' conclusions and/or recommendations contribute to your research question?	How do the authors' conclusions and/or recommendations contribute to your research question?
Bakiri Taha et al. 2020	2020	Microplastics, wastewater treatment plants, sludge, identification	Process Safety and Environmental Protection	To facilitate understanding of microplastics wastewater and sludge in wastewater treatment plants and also the methods for microplastic detection	systematic literature search. Search Engine used was Google Scholar. search criteria were 2000-2020 and phrases such as "Microplastic in wastewater" and "Microplastic identification in wastewater"	Need to compare current data to lack of standard methodologies used across the field and efficient	Need standard protocols for reviewing MP in WWTP across that are quick and efficient	Author summarizes limitations as specified in the review objectives and lists other authors conclusions from the review studies. Not a limitation for the study specifically, but a limitation for comparing results	How do the authors' conclusions and/or recommendations contribute to your research question?	How do the authors' conclusions and/or recommendations contribute to your research question?
Kang et al. 2020	2020	Microplastics, Wastewater treatment plants, sludge, environmental management	Science of the Total Environment	To identify reliable existing methods for identifying, separating, identifying and tracking quality control in the analysis of MP in WWTPs	search strategy search engine (i.e. web of science) keywords ("Microplastics OR sewage plants") AND "wastewater treatment plants OR sewage treatment" combination to reviewing literature studies performed	Need to compare current data to lack of standard methodologies used across the field and efficient	Need standard protocols for reviewing MP in WWTP across that are quick and efficient	Author summarizes limitations as specified in the review objectives and lists other authors conclusions from the review studies. Not a limitation for the study specifically, but a limitation for comparing results	How do the authors' conclusions and/or recommendations contribute to your research question?	How do the authors' conclusions and/or recommendations contribute to your research question?