



SUPPLEMENTARY DATA

Potential of Food By-Products

Natural Pectin Sources, Extraction Methods, Chemical Composition, and Emerging Applications in Food Systems: A Systematic Review

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Supplementary Table 1. PRISMA 2020 Checklist

Section and Topic	Item	Checklist Item	Location in Manuscript
TITLE			
Title	1	Identify the report as a systematic review.	Title page
ABSTRACT			
Abstract	2	Provide a structured summary including background, objectives, eligibility criteria, information sources, methods, results, limitations, interpretation and registration information (if applicable).	Abstract
INTRODUCTION			
Rationale	3	Describe the rationale for the review in the context of existing knowledge.	Introduction (Section 1)
Objectives	4	Provide an explicit statement of the objectives or review questions.	Introduction (last paragraph)
METHODS			
Eligibility criteria	5	Specify inclusion and exclusion criteria and how studies were grouped for synthesis.	Section 2.1; Figure 1
Information sources	6	Specify all databases, registers, websites, organisations, reference lists and other sources searched, including the date each source was last searched.	Section 2.1
Search strategy	7	Present the complete search strategies for all databases, including search terms, Boolean operators and limits used.	Section 2.1
Selection process	8	Specify methods used to determine study eligibility, including number of reviewers, independence and consensus procedures.	Section 2.1; Figure 1
Data collection process	9	Specify methods used to collect data from reports, including reviewer procedures and confirmation processes.	Section 2.1
Data items	10	List and define all outcomes for which data were sought.	Section 2.1
Study risk of bias assessment	11	Specify methods used to assess risk of bias.	Not applicable (Narrative systematic review; no meta-analysis performed)
Effect measures	12	Specify effect measures used for each outcome.	Not applicable
Synthesis methods	13a	Describe processes used to determine which studies were eligible for each synthesis.	Section 2.1
	13b	Describe methods required to prepare data for synthesis.	Section 2.1
	13c	Describe methods used to tabulate or visually display results.	Section 2.1
	13d	Describe methods used to synthesize results and provide rationale.	Section 2.1
	13e	Describe methods used to explore heterogeneity.	Not applicable

	13f	Describe sensitivity analyses performed.	Not applicable
Reporting bias assessment	14	Describe methods used to assess risk of bias due to missing results.	Not performed
Certainty assessment	15	Describe methods used to assess certainty (or confidence) in the body of evidence.	Not performed
RESULTS			
Study selection	16a	Describe results of the search and selection process from records identified to included studies using a flow diagram.	Figure 1
	16b	Cite studies excluded after full-text assessment with reasons.	Figure 1
Study characteristics	17	Cite each included study and present its characteristics.	Table 1
Risk of bias in studies	18	Present assessments of risk of bias for each included study.	Not applicable
Results of individual studies	19	Present summary data and outcome information for each study.	Table 1
Results of syntheses	20a	Summarize characteristics and risk of bias among contributing studies.	Sections 3.1–3.5
	20b	Present results of statistical syntheses.	Not applicable
	20c	Present results of investigations of heterogeneity.	Not applicable
	20d	Present results of sensitivity analyses.	Not applicable
Reporting biases	21	Present assessments of reporting bias.	Not assessed
Certainty of evidence	22	Present assessments of certainty in the body of evidence.	Not assessed
DISCUSSION			
Discussion	23a	Provide a general interpretation of the results in the context of other evidence.	Sections 3 and 4
	23b	Discuss limitations of the evidence included in the review.	Discussion/Conclusion
	23c	Discuss limitations of the review processes used.	Discussion/Conclusion
	23d	Discuss implications for practice, policy and future research.	Conclusion
OTHER INFORMATION			
Registration and protocol	24a	Provide registration information including register name and number, or state that the review was not registered.	Not registered
	24b	Indicate where the review protocol can be accessed or state that no protocol was prepared.	No protocol prepared
	24c	Describe amendments to protocol or registration information.	Not applicable
Support	25	Describe sources of financial or non-financial support and the role of funders.	Funding statement
Competing interests	26	Declare competing interests of review authors.	Conflict of Interest statement
Availability of data, code and other materials	27	Report which materials are publicly available (data extraction forms, extracted data, analytic code and supplementary materials).	Supplementary Tables S1