

# Alternatives to single-use plastics: Appendix C Literature review framework

Additional details about each article, such as level of robustness and relevance, and mapping on to research themes and questions can be available on request.

Author (s)	Document Title	Date of publication
Ahari, H. and Soufiani, S. P	'Smart and Active Food Packaging: Insights in Novel Food Packaging	2021
Carina, D. et al.	Seaweeds polysaccharides in active food packaging. A review of recent progress.	2021
Defra	A Green Future: Our 25 year plan to improve the environment	2018
Environment and Climate Change Canada	Guidance for Selecting Alternatives to the Single-Use Plastics	2021
EPECOM	Report of the Expert Panel on Environmental Charging and Other Measures: Recommendations on Single-use Disposable Beverage Cups.	2019
EU Parliament and Council of the EU	DIRECTIVE (EU) 2019/904 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 5 June 2019 on the reduction of the impact of certain plastic products on the environment.	2019
European Bioplastics	Bioplastics market data	2022
Food Standards Agency	Bio-Based Materials for Use in Food Contact Applications	2022
Fortunati, E., Mazzaglia, A. and Balestra, G. M.	Sustainable control strategies for plant protection and food packaging sectors by natural substances and novel nanotechnological approaches	2019
Gerassimidou, S., Martin, O. V., Chapman, S. P., Hahladakis, J. N. and Iacovidou, E.	Development of an integrated sustainability matrix to depict challenges and trade-offs of introducing bio-based plastics in the food packaging value chain	2021
Giacovelli	Single-use plastics: A roadmap for sustainability.	2018
Gradon Diprose, Louise Lee, Hannah Blumhardt, Sara Walton & Alison Greenaway	Reducing single use packaging and moving up the waste hierarchy	2022
Herrmann, C., Rhein, S. and Strater, K. F.	Consumers' sustainability-related perception of and willingness-to-pay for food packaging alternatives	2012
HM Treasury.	Tackling the plastics problem summary of responses to the call for evidence.	2018
HM Treasury.	Tackling the plastic problem Using the tax system or charges to address single-use plastic waste.	2018
HM Treasury	Budget 2018 Single-use Plastics	2018
Holley, P	The London Marathon's method for reducing plastic bottles. Edible seaweed pouches.	2019
Jia-Wei Han, Luis Ruiz-Garcia, Jian-Ping Qian, and Xin-Ting Yang.	Food Packaging: A Comprehensive Review and Future Trends	2018
Jonathan Asher Morashti, Youra An and Hyunmi Jang.	A Systematic Literature Review of Sustainable Packaging in Supply Chain Management	2022
Keranen, O., Komulainen, H., Lehtimäki, T. and Ulkuniemi, P.	Restructuring existing value networks to diffuse sustainable innovations in food packaging	2021
Lamontagne, N. D.	Food Packaging Innovations Balance Convenience with Sustainability: Whether they	2018
Logomasini, A.	Five Reasons Banning Plastics May Harm the Environment and Consumers.	2018
M. K. Verma, S. Shakya, P. Kumar, J. Madhavi, J. Murugaiyan.	Trends in packaging material for food products: historical background, current scenario, and future prospects	2021
McCarthy, J and Sanchez, E.	5 Plastic Alternatives Doing More Harm Than Good — and What to Use Instead.	2019

Author (s)	Document Title	Date of publication
Miller, B.	17 Biggest Advantages and Disadvantages of Plastics.	2020
Photopoulos, J.	Seaweed coffee cups could help ditch single-use plastics.	2018
Rana, K.	This is how to ensure sustainable alternatives to plastic.	2022
Renton, M	Market and safety analysis of alternatives to plastic food packaging	2020
Ronzano, A., Stefanini, R., Borghesi, G. and Vignali, G.	Agricultural waste as a source of innovative and compostable composite biopolymers for food packaging: a scientific review	2021
Springle, N., Li, B. L. D., Soma, T. and Shulman, T.	The complex role of single-use compostable bioplastic food packaging and foodservice ware in a circular economy: Findings from a social innovation lab	2022
UNEP	Single-use supermarket food packaging and its alternatives: Recommendations from life cycle Assessments.	2022
Werner, B. G., Koontz, J. L. and Goddard, J. M.	Hurdles to commercial translation of next generation active food packaging technologies	2017
Ahmad, A., Qurashi, A. and Sheehan, D.	Nano packaging – Progress and future perspectives for food safety, and sustainability	2023
Ataei, S., Azari, P., Hassan, A., Pinguan-Murphy, B., Yahya, R. and Muhamad, F.	Essential Oils-Loaded Electrospun Biopolymers: A Future Perspective for Active Food Packaging	2020
Cao, C., Xiao, Z., Ge, C. and Wu, Y.	Animal by-products collagen and derived peptide, as important components of innovative sustainable food systems—a comprehensive review	2022
Chaudhary, V., Bangar, S. P., Thaku, N. and Trif, M.	Recent Advancements in Smart Biogenic Packaging: Reshaping the Future of the Food Packaging Industry	2022
Hosseini, S. A., Abbasi, A., Sabahi, S. and Khani, N.	Application of Postbiotics Produced by Lactic Acid Bacteria in the Development of Active Food Packaging	2022
Ludwicka, K., Kaczmarek, M. and Bialkowska, A.	Bacterial Nanocellulose-A Biobased Polymer for Active and Intelligent Food Packaging Applications: Recent Advances and Developments	2020
Mahmud, J., Sarmast, E., Shankar, S. and Lacroix, M.	Advantages of nanotechnology developments in active food packaging	2022
Ncube, L. K., Ude, A. U., Ogunmuyiwa, E. N., Zulkiffi, R. and Beas, I. N.	Environmental impact of food packaging materials: A review of contemporary development from conventional plastics to polylactic acid based materials	2020
Nilsen-Nygaard, J., Fernandez, E. N., Radusin, T., Rotabakk, B. T., Sarfraz, J., Sharmin, N., Sivertsvik, M., Sone, I. and Pettersen, M. K.	Current Status of biobased and biodegradable food packaging materials: Impact on food quality and effect of innovative processing technologies	2021
Petkoska, A. T., Daniloski, D., D'Cunha, N. M., Naumovski, N. and Broach, A. T.	Edible packaging: Sustainable solutions and novel trends in food packaging	2021
Salgado, P. R., Di Giorgio, L., Musso, Y. S. and Mauri, A. N.	Recent Developments in Smart Food Packaging Focused on Biobased and Biodegradable Polymers	2021
Yan, M. R., Hsieh, S. and Ricacho, N.	Innovative Food Packaging, Food Quality and Safety, and Consumer Perspectives	2022
Peter Kershaw	Exploring the potential for adopting alternative materials to reduce marine plastic litter	2018