Food and Plastic Waste: From Zero to Hero

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Version: Poster
**Background**

Global Food Produced for Human Consumption per Year

- **Waste or Loss**: 1.3 Billion Tonnes
- **All Virgin Plastic Ever Produced**: 7.5 Billion Tonnes
- **Landfill/Incineration**: 79% Recyling, 12% Incineration

**Research Aims**

- Create and study novel film materials for food packaging purposes
- Utilise micronised dried food waste as an antioxidant and antimicrobial additive in film to extend shelf-life of food
- Assess material with real food models
- Investigate the biodegradability of the films in different environments such as industrial and home composting, marine and soil