

Rank	Need
1	New, sustainable or compostable packaging materials
2	Natural/Clean label ingredients
3	Process equipment innovation
4	Sorting, Scanning and Vision Systems for High Speed
5	Batch-of-one / Flexible manufacturing / Industry 4.0 & Automation
6	IoT
7	Low-energy processes / Energy recovery
8	Coatings & Barrier materials for packaging
9	Solutions in calorie reduction / Non-caloric inc flavours
10	Managing information / Dealing with Big Data
11	Consumer insights (real time / place) & behaviour modelling
12	Reduce sugar in beverages and food
13	Design for recycling
14	Ingredients with proven health benefits across life-course
15	Bacteria control / life extension in Packaging
16	Business models (eg for emerging markets)
17	Packaging interacting with consumer
18	Digital marketing - making use of right data to add value for consumers
19	Food Preservation & Extended Shelf-Life
20	Breakthrough packaging components
21	Preserving food naturally
22	Data analytics & predictive design
23	Anti-counterfeit technology
24	Novel opening, closing, sharing and portioning for enhanced consumer packaging interaction
25	New sustainable sources of Protein
26	Reduce fat / Sat Fat / Fat & Oil replacement
27	More effective shelf ready packaging
28	Food grade packaging materials
29	In line printing and customisation of packaging
30	Encourage sustainable consumer behaviour
31	Novel Sweeteners
32	New packaging decoration technology
33	Modelling / Digital to accelerate new design / time to market
34	Technologies for remote service support / maintenance
35	Lightweighting / packaging materials reduction
36	Industrial process optimizations
37	Multi-fluid / componnet & High Viscosity Dispensing
38	Differentiation (and protection) through design and value to consumer
39	Alternatives to glass & PET containers
40	Methods to reach social media savvy younger generations
41	Incorporating consumer insights into design
42	Self cooling / heating container
43	Approaches to test products in markets with consumers quickly
44	Odour control
45	Water reduction / recycling in production
46	E-commerce ready packaging and viable business models
47	Technologies & New Formats for Aerosol delivery
48	Novel packaging for powders/energy bars/functional beverages
49	Inks or ink components, substrates or primers for digital print
50	Novel speciality food ingredients & systems