
Supply chain and engineering opportunities for plant-based ingredients in Australia

JULIANO P. (1)

1 CSIRO, Melbourne, Australia

Australia currently exports USD 9B worth of grains, oilseeds, and pulses. At the same time, many Australian plant-based ventures must rely on imported plant-based ingredients from grains like soybean, pea or chickpea as Australia has small capacity for local manufacturing. This presentation will cover the efforts carried out Australia-wide in manufacturing plant-based ingredients including flours, concentrates and isolates. It will highlight the engineering challenges and regional solutions achievable when scaling up wet and dry fractionation from laboratory to commercial scale. It will provide case studies of ingredient companies developing or manufacturing ingredients from regional grains, oilseeds, and pulses.