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(54) Title: SYSTEMS FOR FOOD PARAMETER OPTIMISATION

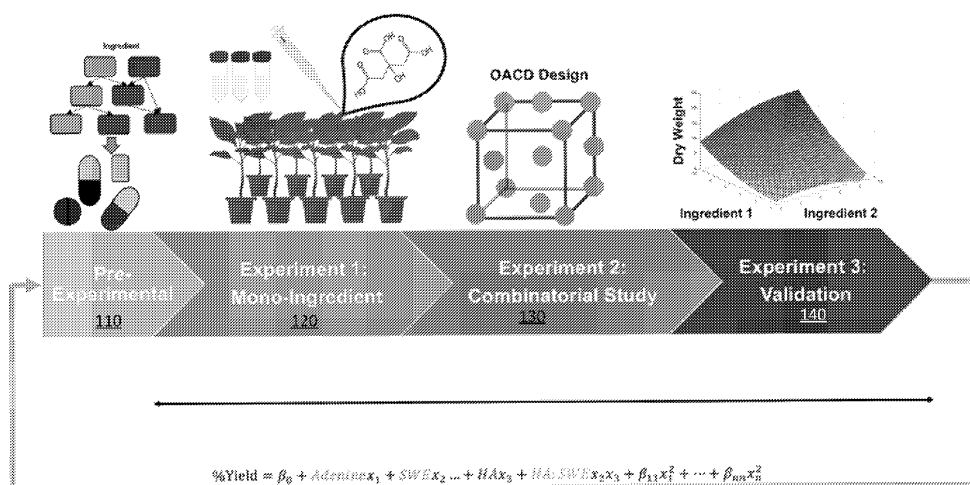


Figure 1

(57) Abstract: Disclosed is a system for target food parameter optimisation. The system receives a plurality of food production constraints and at least one target food parameter (target food parameter(s)), and processes the food production constraints using a pre-experiment model to identify a plurality of candidate ingredients. The system then receives mono-ingredient target food parameter impact data for each of the plurality of candidate ingredients, receives multi-ingredient target food parameter impact data for a subset of possible combinations of the candidate ingredients, and processes the mono-ingredient and the multi-ingredient target food parameter impact data to determine a ranked ingredient combination, the ranking being based on an expected optimisation of the target food parameter(s).

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