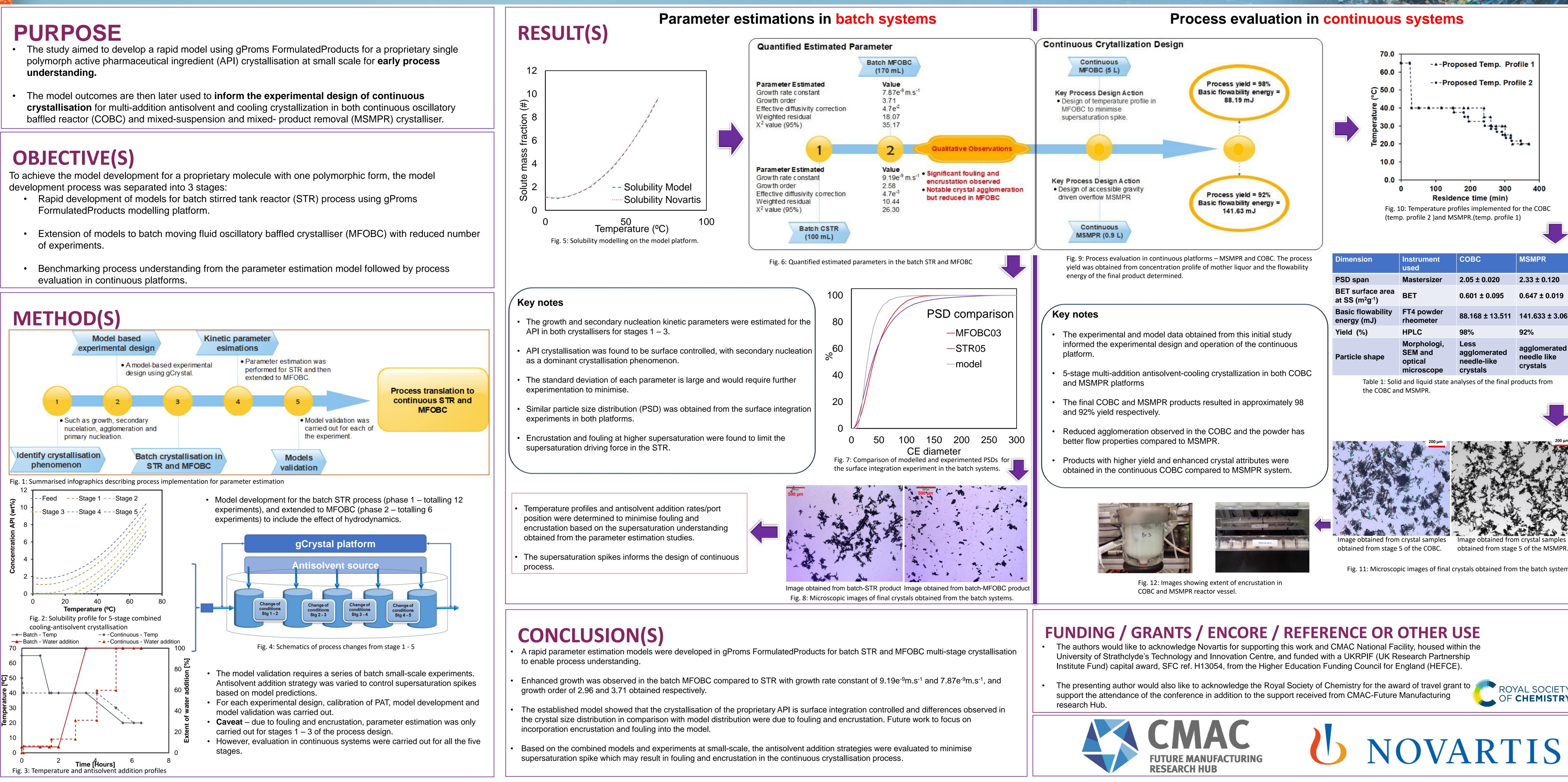
# **Enabling model-predictive design: Rapid development of a PBM for** an anti-solvent and cooling crystallisation in two different reactor geometries

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**T1430** 

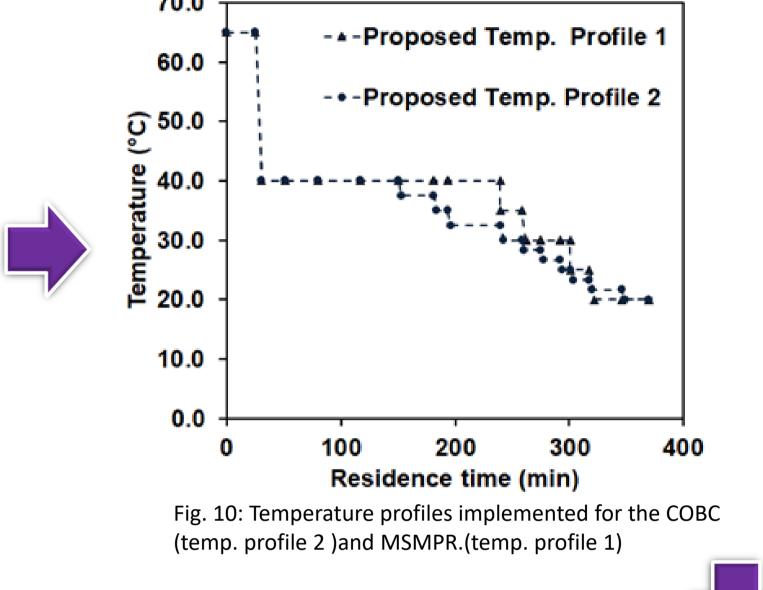
- understanding

- FormulatedProducts modelling platform.
- of experiments.
- evaluation in continuous platforms.



-08-53 Ojo E<sup>1</sup>., Siddique H<sup>1</sup>., Houson I<sup>1</sup>., Brown C<sup>1</sup>., O'Meadhra R<sup>2</sup>., Berthold S<sup>2</sup>., Florence A<sup>1</sup>. <sup>1</sup>EPSRC CMAC Future Manufacturing Research Hub University of Strathclyde, Glasgow, UK <sup>2</sup>Novartis Basel Campus, Basel, Switzerland.





Mastersizer	2.05 ± 0.020	2.33 ± 0.120
BET	0.601 ± 0.095	0.647 ± 0.019
FT4 powder rheometer	88.168 ± 13.511	141.633 ± 3.061
HPLC	98%	92%
Morphologi, SEM and optical microscope	Less agglomerated needle-like crystals	agglomerated needle like crystals
	BET FT4 powder rheometer HPLC Morphologi, SEM and optical microscope	BET0.601 ± 0.095FT4 powder rheometer88.168 ± 13.511HPLC98%Morphologi, SEM and opticalLess agglomerated needle-like



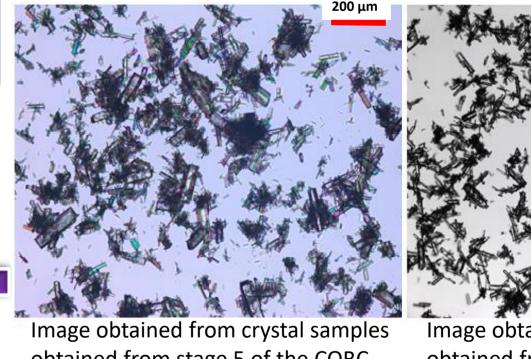


Fig. 11: Microscopic images of final crystals obtained from the batch system.

