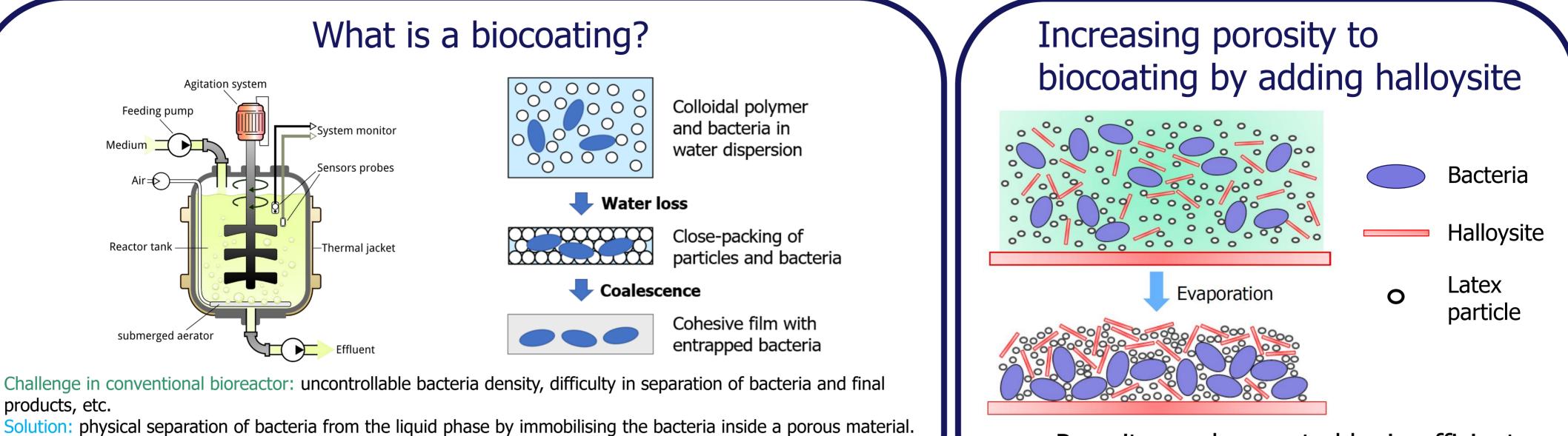
Introducing Porosity in Colloidal Biocoatings for Functional Biocatalysis

Yuxiu Chen, Simone Krings, Joshua R. Booth, Stefan A. F. Bon, Suzie Hingley-Wilson, Joseph Keddie

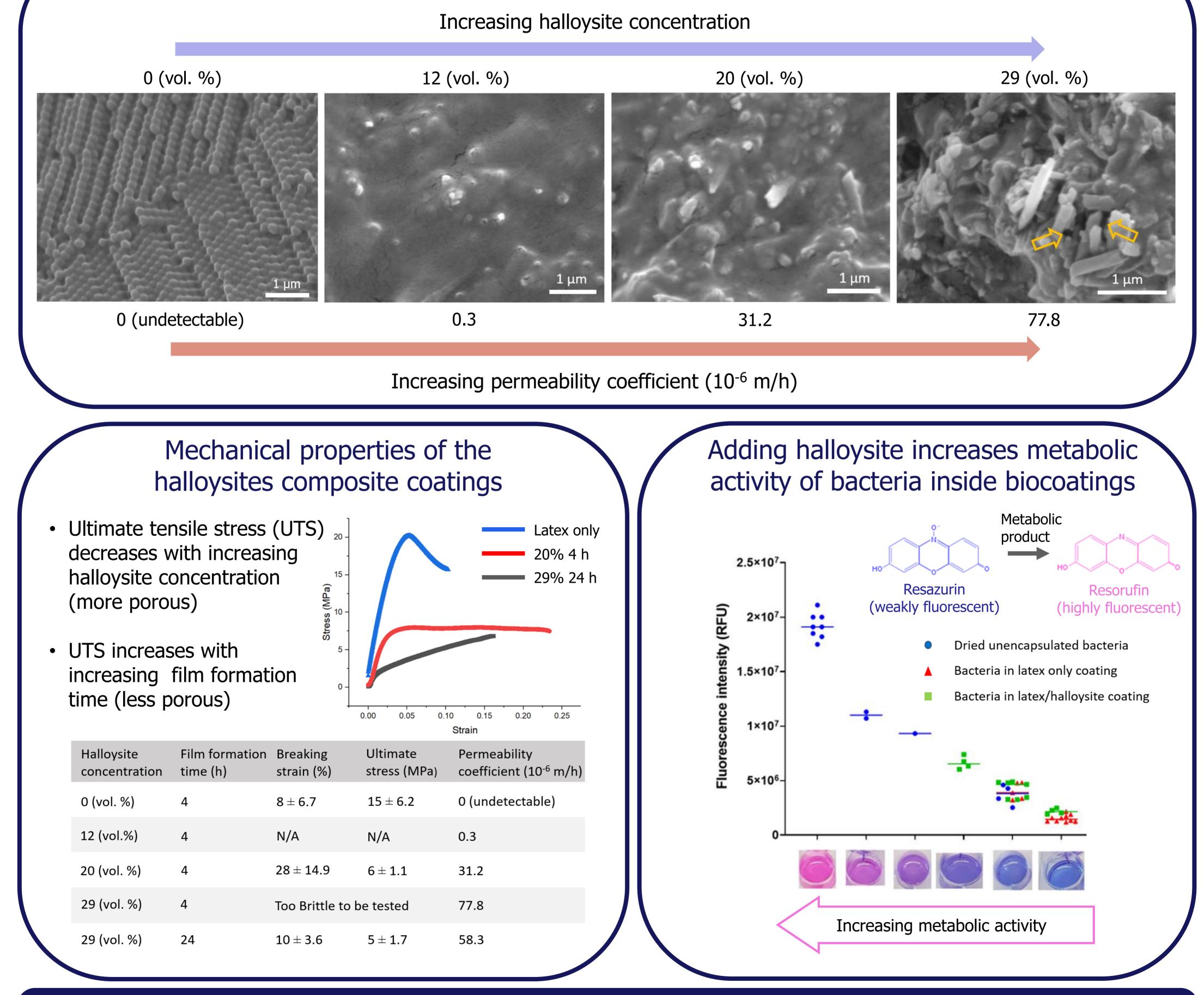




Biocoating: a material that employs a colloidal polymer film to confine non-growing, metabolically-active bacteria.

Porosity can be created by in-efficient packing of halloysite

Morphology and permeability coefficient of the halloysite composite coatings



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Reference

Y. Chen, S. Krings, J. R. Booth, S. A. F. Bon, S. Hingley-Wilson and J. L. Keddie, *Biomacromolecules*, DOI:10.1021/acs.biomac.0c00649
Flickinger, M.C., et al., Journal of Coatings Technology and Research, 2017. 14(4): p. 791-808.