

Fig. 1. Morphology of different types of microcapsules [15].

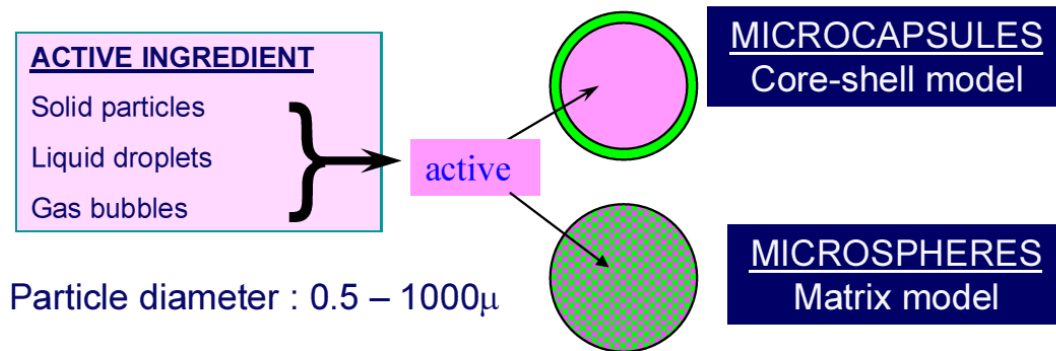


Fig. 2. Structure of MEPCM [17].

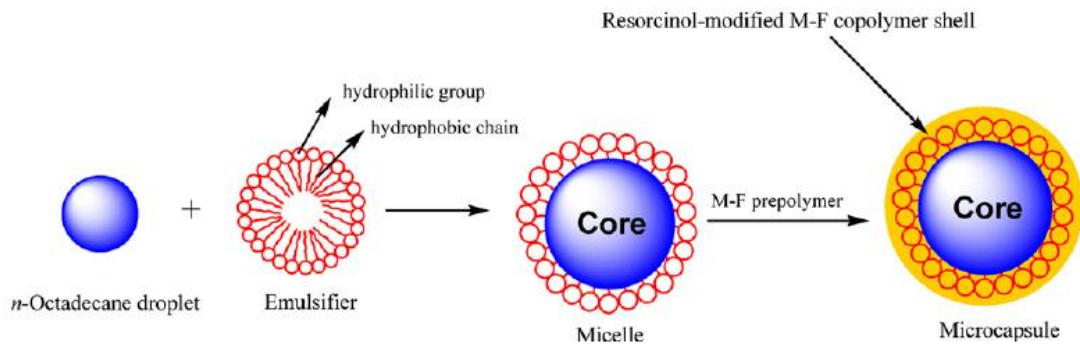


Fig. 3. Schematic formation of the micro-PCMs based on *n*-octadecane core and resorcinol-modified melamine–formaldehyde shell by in situ polymerization [19].

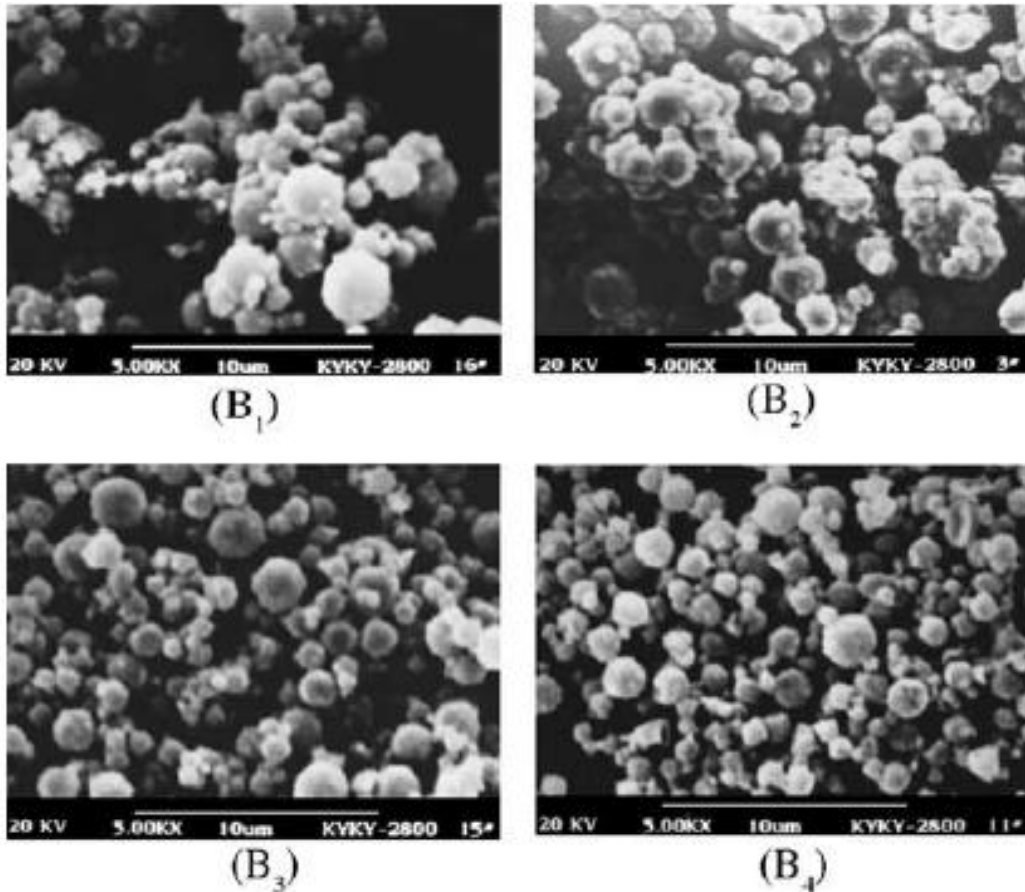


Fig. 4. Emulsifier content and micrographs of microcapsules: (B 1) 0.6 wt.%; (B 2) 1.2 wt.%; (B 3) 1.7 wt.%; (B 4) 2.3 wt.% [23].

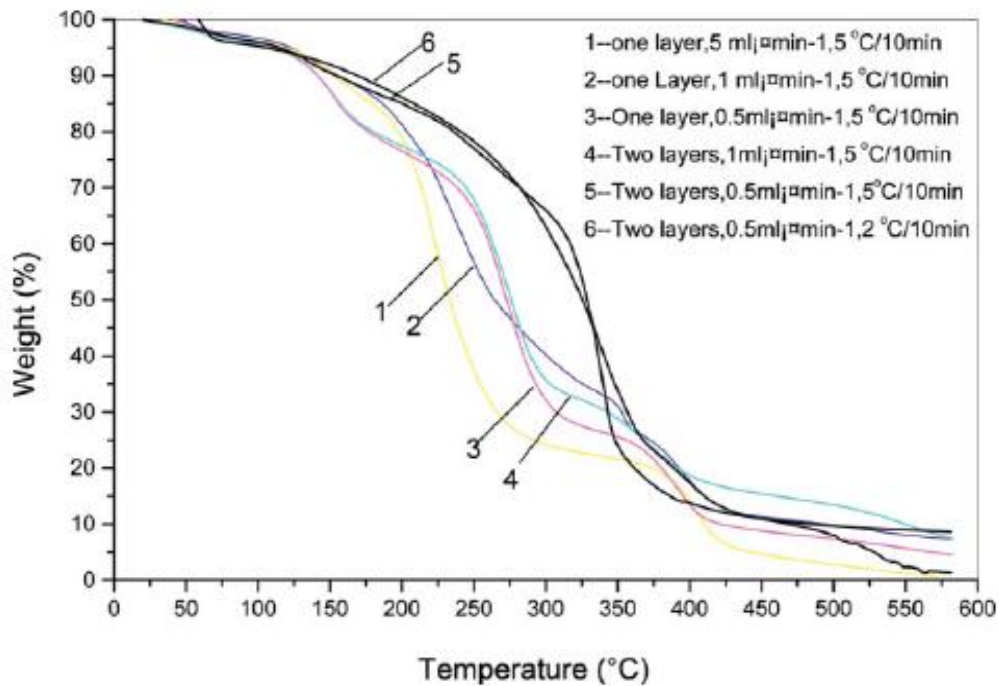


Fig. 5. TG curves of microPCMs made by different layers, shell pre-polymer dropping rate, and temperature elevating speed [34].

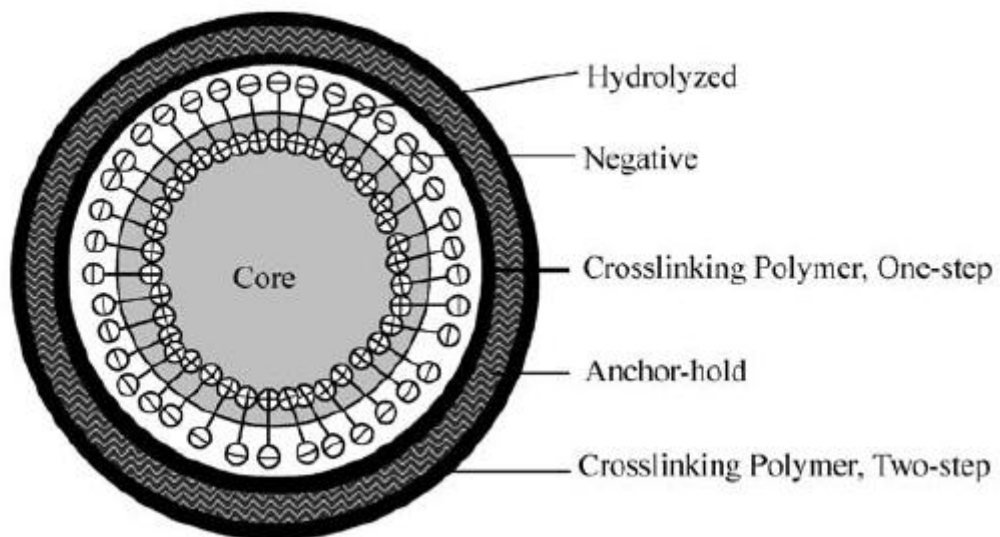


Fig. 6. The structure of a TSC microcapsule [37].

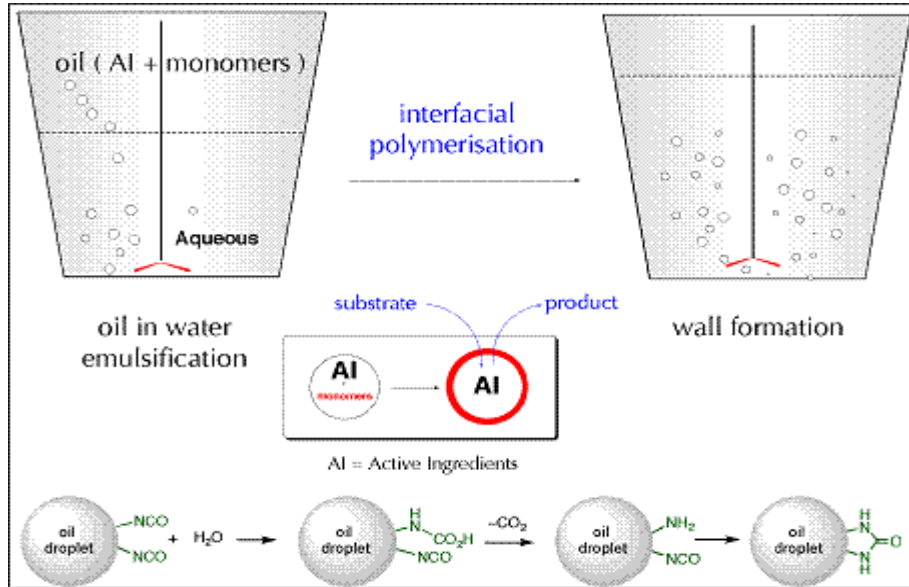


Fig. 7. Microcapsule manufacture by interfacial polymerization [42].

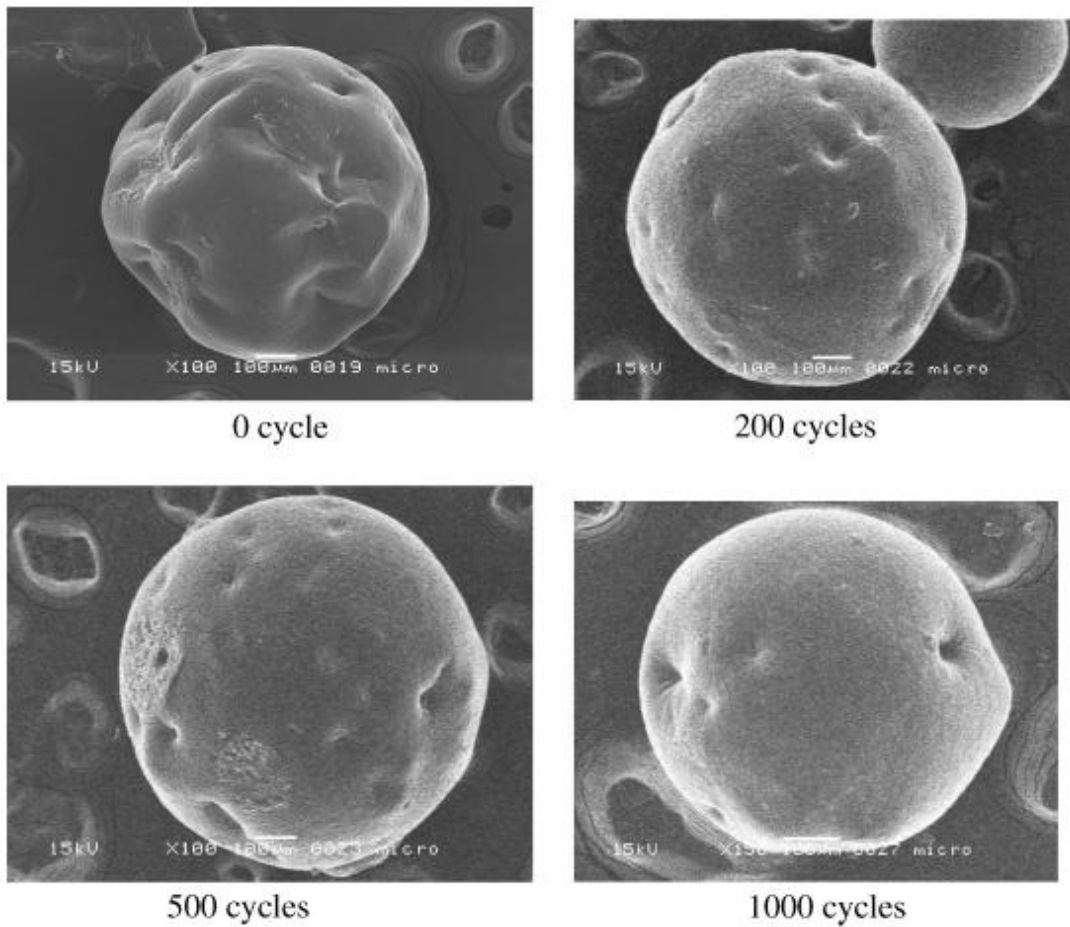


Fig.8. Microencapsulated paraffin profile evaluated by SEM at different thermal cycles [67].

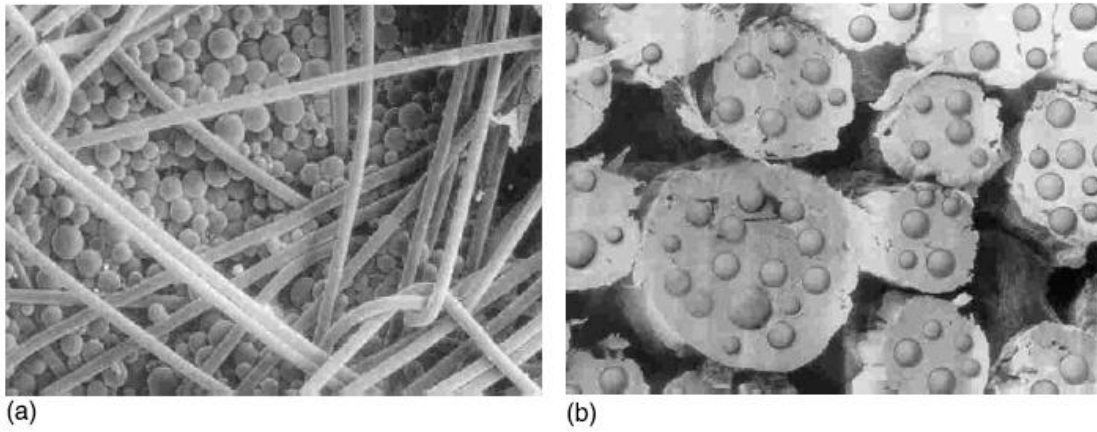


Fig.9. PCM microcapsules coated on the surface of fabric (a) and embedded within fibre (b) [88].

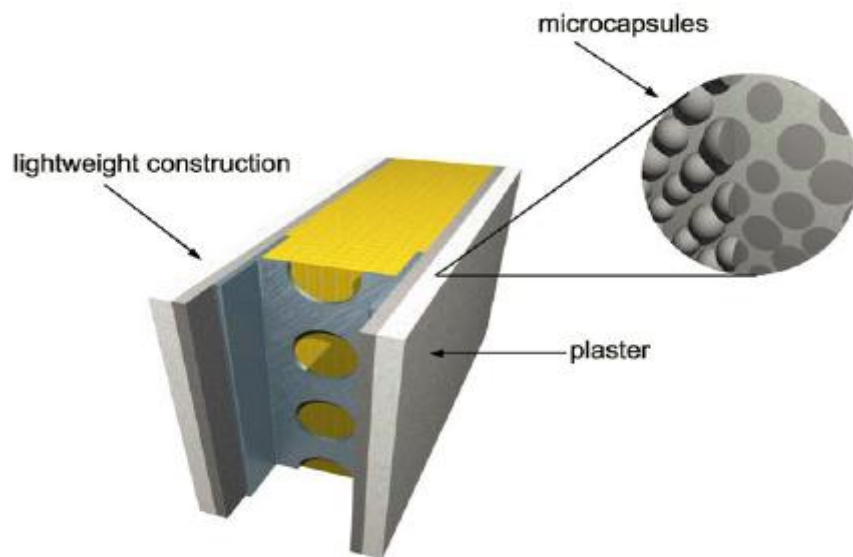


Fig. 10. The PCMs microcapsules are integrated into the plaster [98].

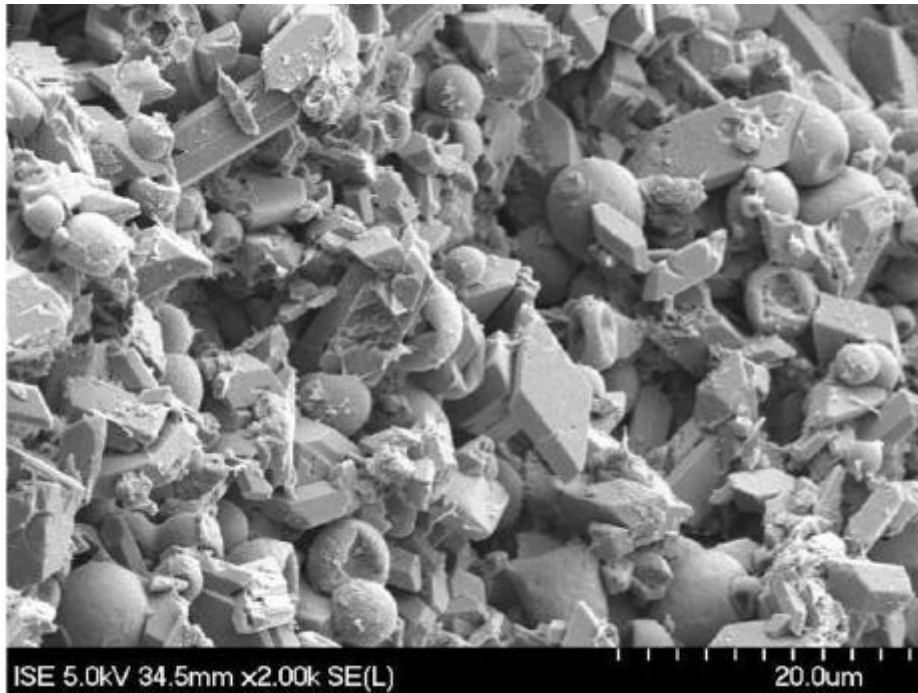


Fig. 11. SEM image of PCM micro-capsules in gypsum plaster [98].

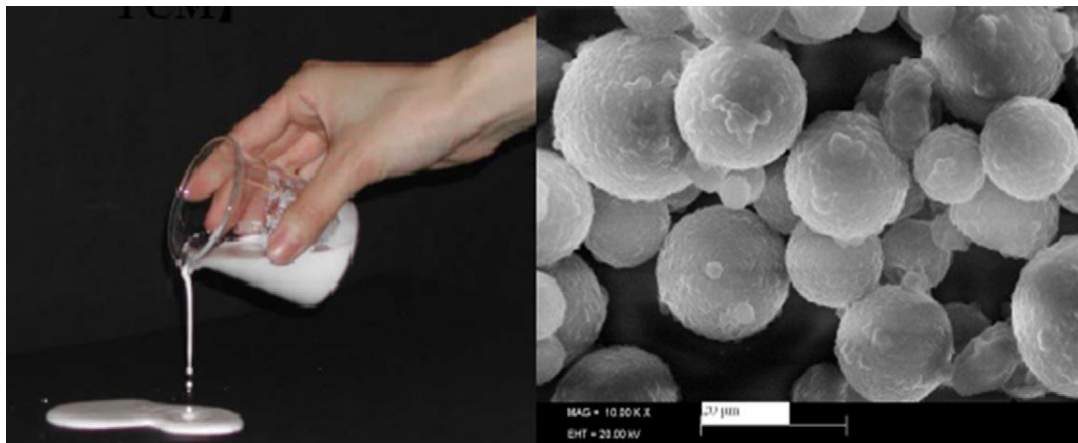


Fig. 12. Appearance of the MPCM slurry and SEM microscopic image of the MPCM particles [106].

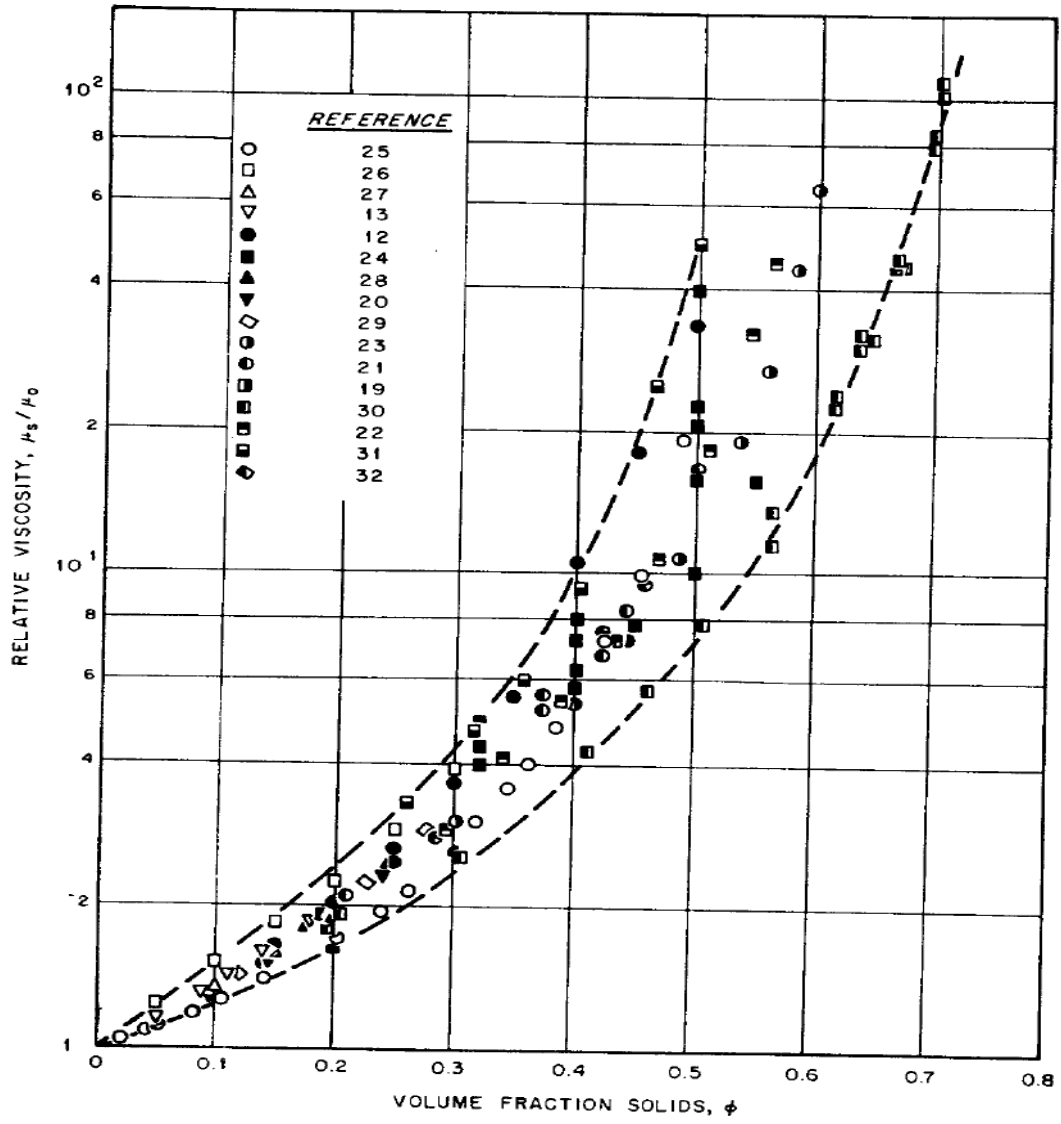


Fig. 13. Collected relative viscosity data [108].

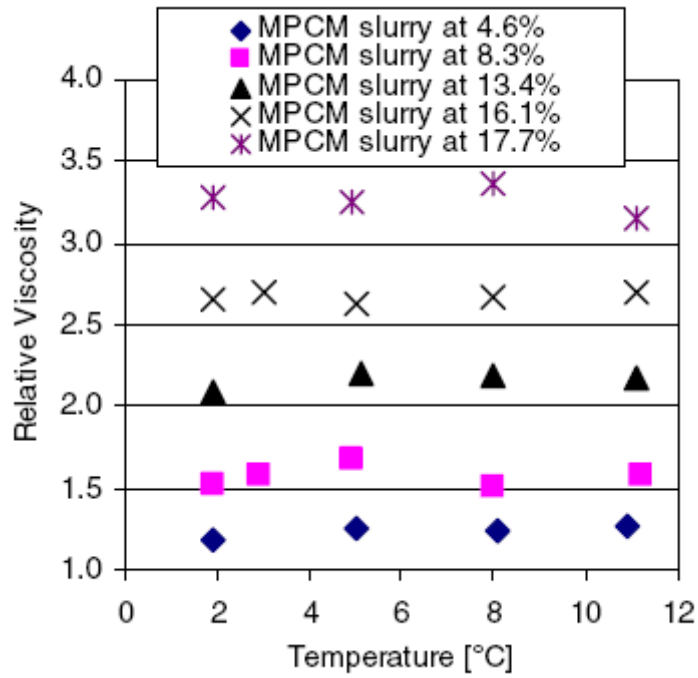


Fig. 14. Relative viscosity of MPCM slurry as function of mass fraction and temperature [117].

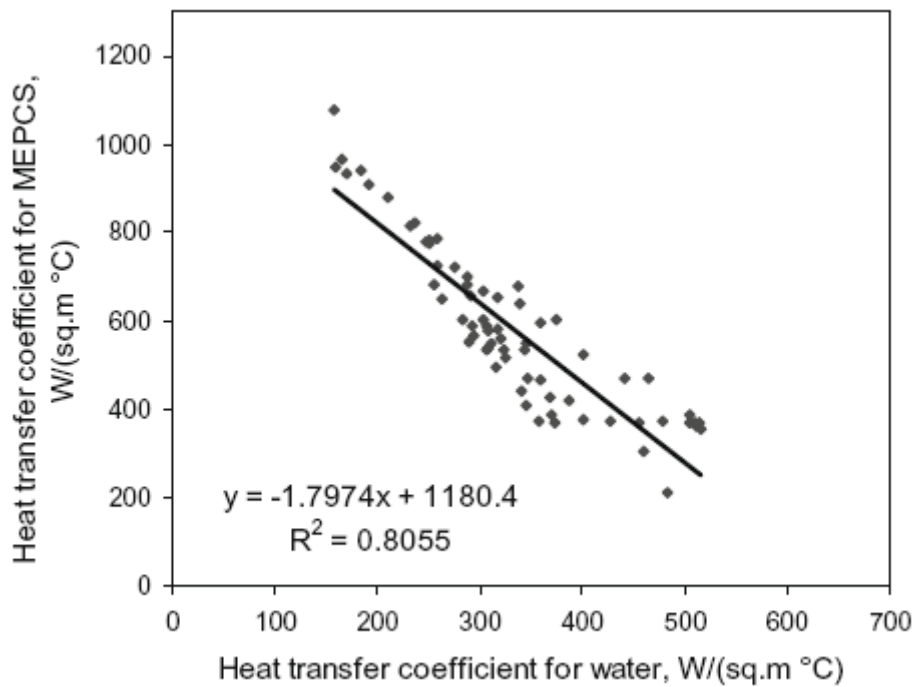


Fig. 15. h_{MEPCS} vs h_{water} correlation [122].

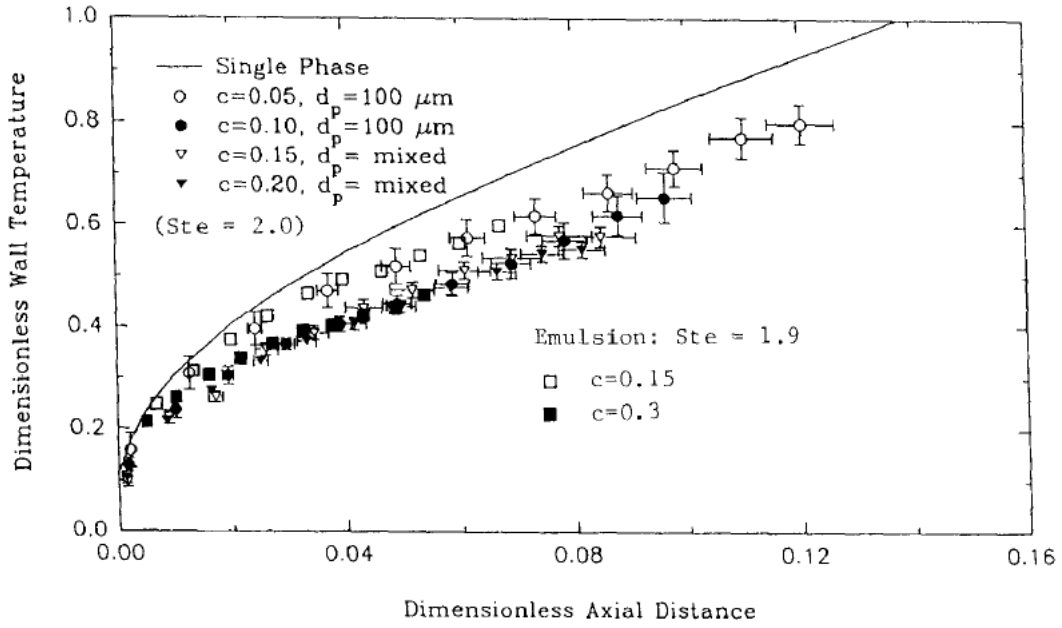


Fig. 16. Comparison of results with previous data for microencapsulated phase change material suspensions [115] cited [127].

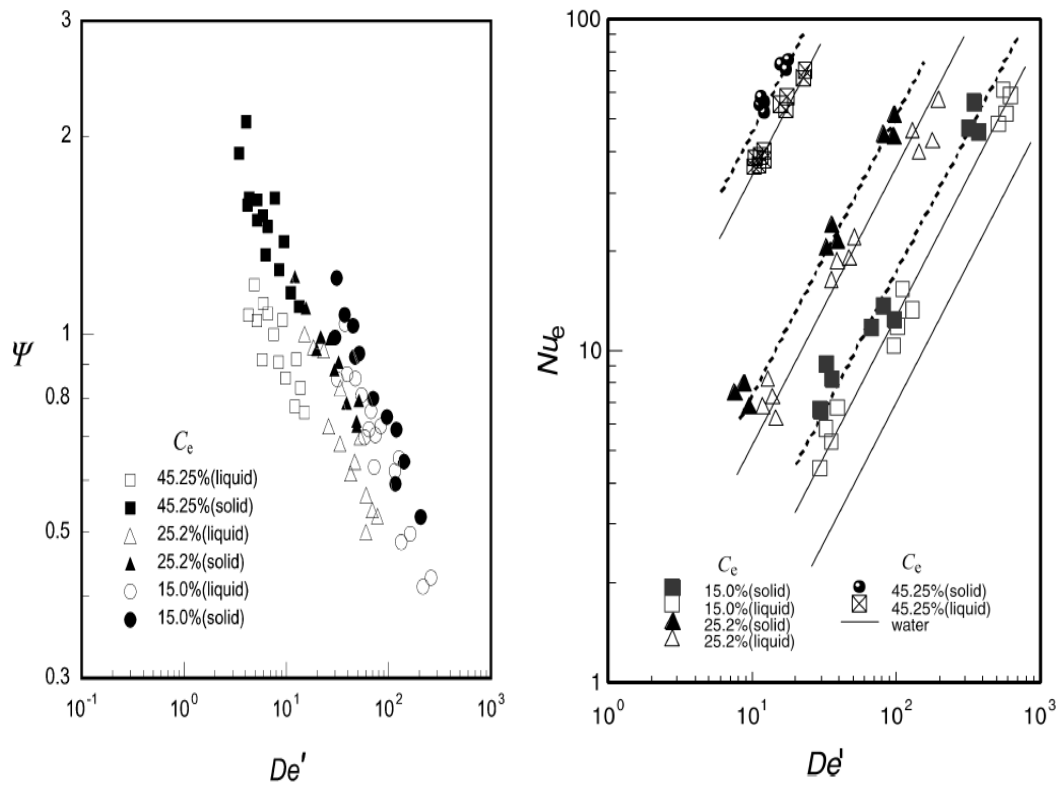


Fig. 17. (Left) Variations of additional pressure loss coefficient with the modified Dean number for different total emulsion concentrations (C_e) and different dispersed phase states [130]. **Fig. 18. (Right)** Convection heat transfer characteristic of the emulsion in the coiled circular tube for different total emulsion concentrations (C_e) and different dispersed phase states [137].