

Supplementary data for the article:

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## Supplementary material

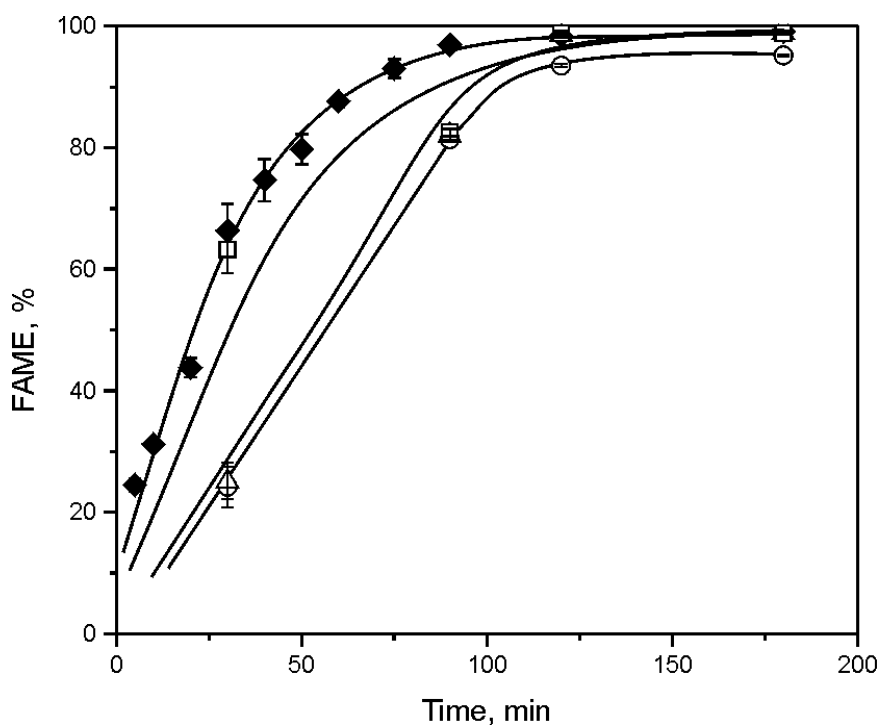
### Optimization of CaO-catalyzed sunflower oil methanolysis with crude biodiesel as a cosolvent

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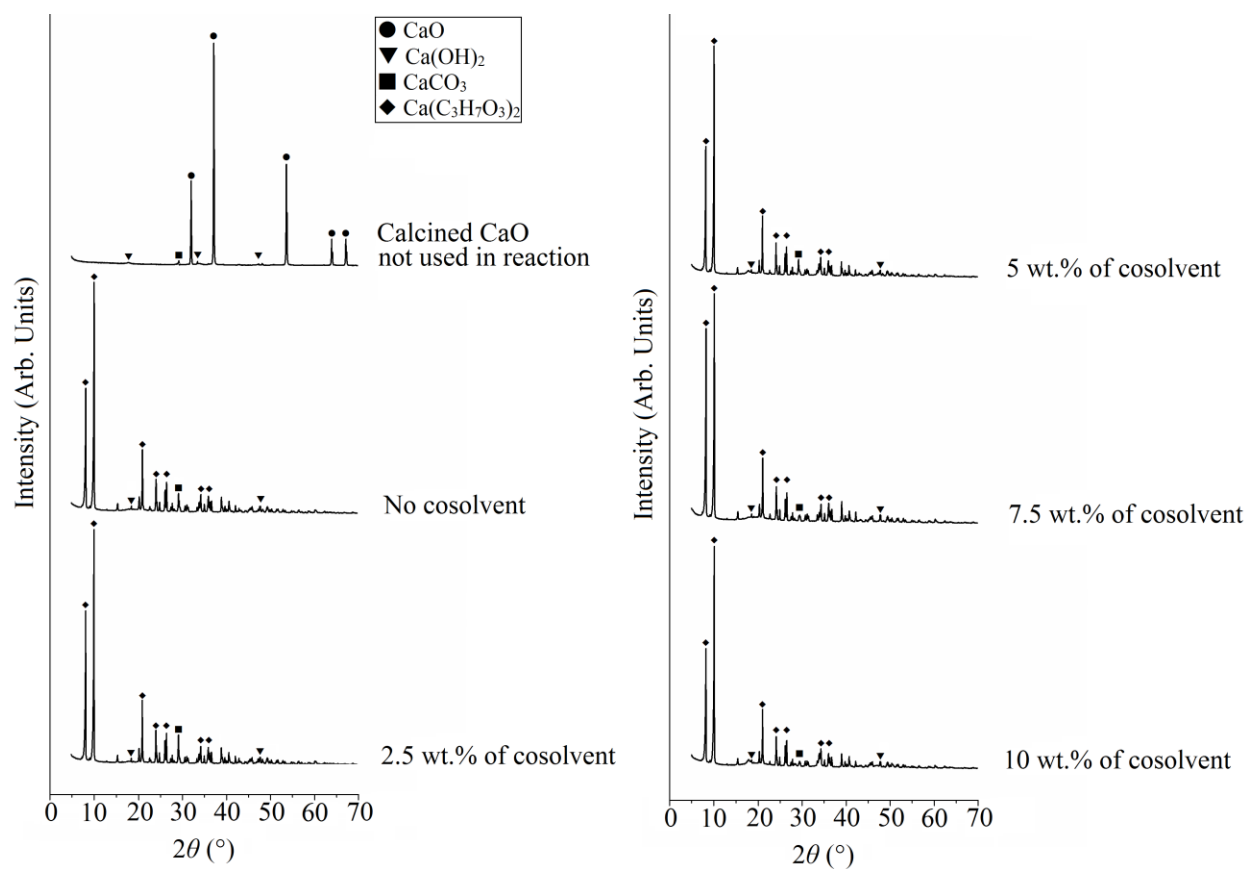
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**Fig. S1.** Variation of FAME content during the sunflower oil methanolysis with CaO as a catalyst and crude biodiesel as a cosolvent (methanol-to-oil molar ratio: 6:1, concentration of CaO: 0.642 mol/L, reaction temperature: 50 °C, and crude biodiesel amount, wt% of the oil weight: 2.5–○; 5–△; 7.5–□; and 10–◆).

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**Fig. S2.** XRD patterns of the calcined CaO used as a catalyst in combination with different amounts of crude biodiesel as a cosolvent. XRD pattern of the calcined CaO not used in the reaction was also provided for comparison.