

SUPPLEMENTARY MATERIAL TO
**Kinetics of conversion of celestite to strontium carbonate in
 solutions containing carbonate, bicarbonate and ammonium
 ions, and dissolved ammonia**

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J. Serb. Chem. Soc. 79 (3) (2014) 345–359

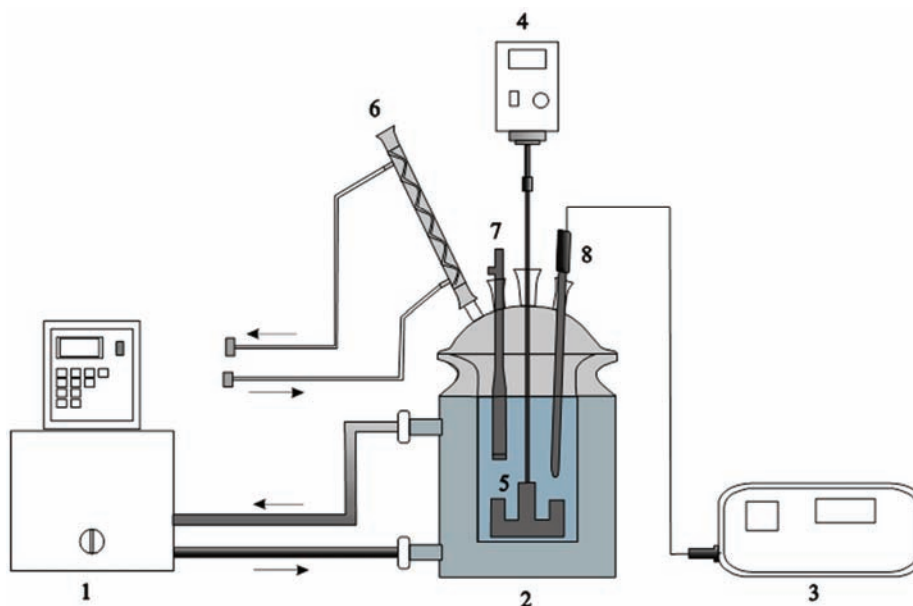


Fig. 1. Experimental set up (1 – thermostat, 2 – glass reactor, 3 – PT 100 probe,
 4 – mechanical stirrer, 5 – poly(tetrafluoroethylene) (PTFE)-coated propeller,
 6 – condenser, 7 – sampler and 8 – temperature sensor).

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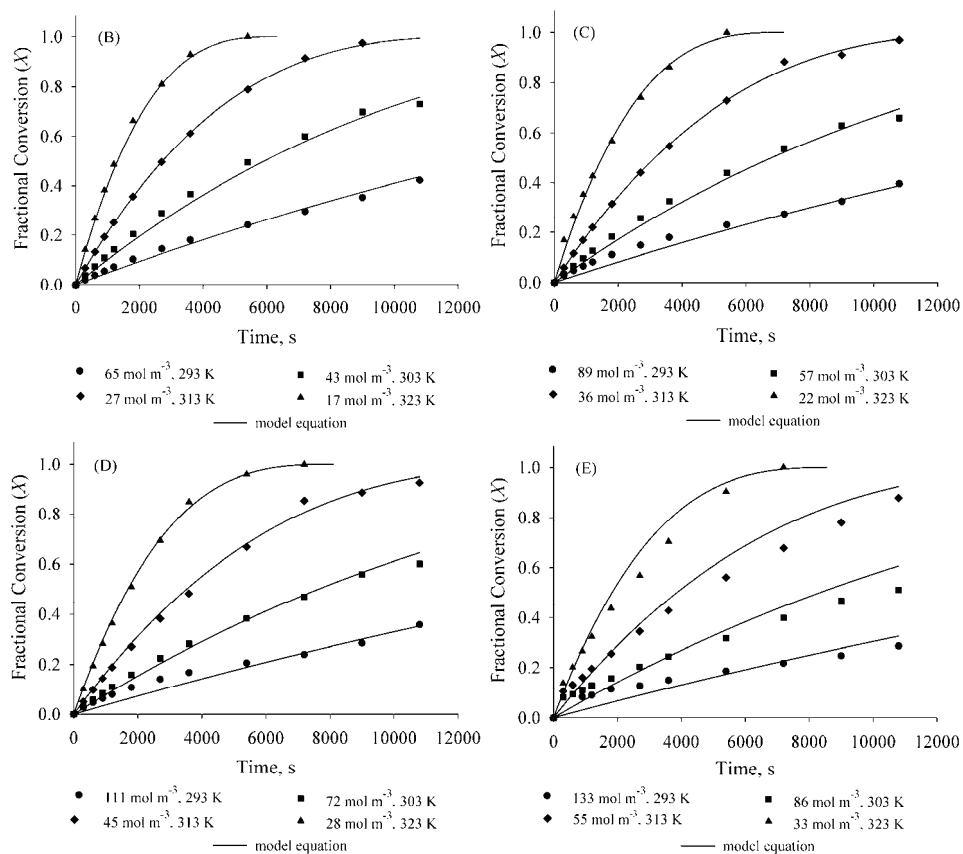


Fig. 2-S. The effects of temperature and CO_3^{2-} concentration on the fractional conversion of SrSO_4 (particle size: 53–75 μm , stirring speed: 5 rps).

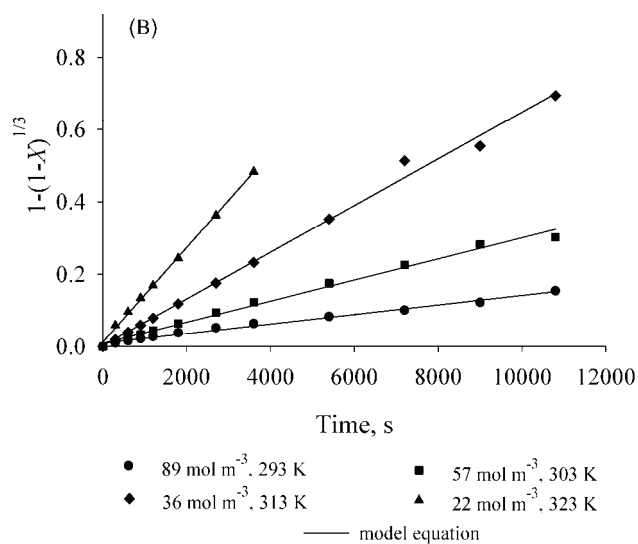


Fig. 3-S. $1-(1-X)^{1/3}$ vs. time diagrams for different concentrations of CO_3^{2-} and temperatures.