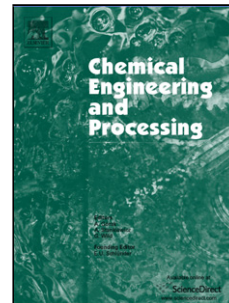


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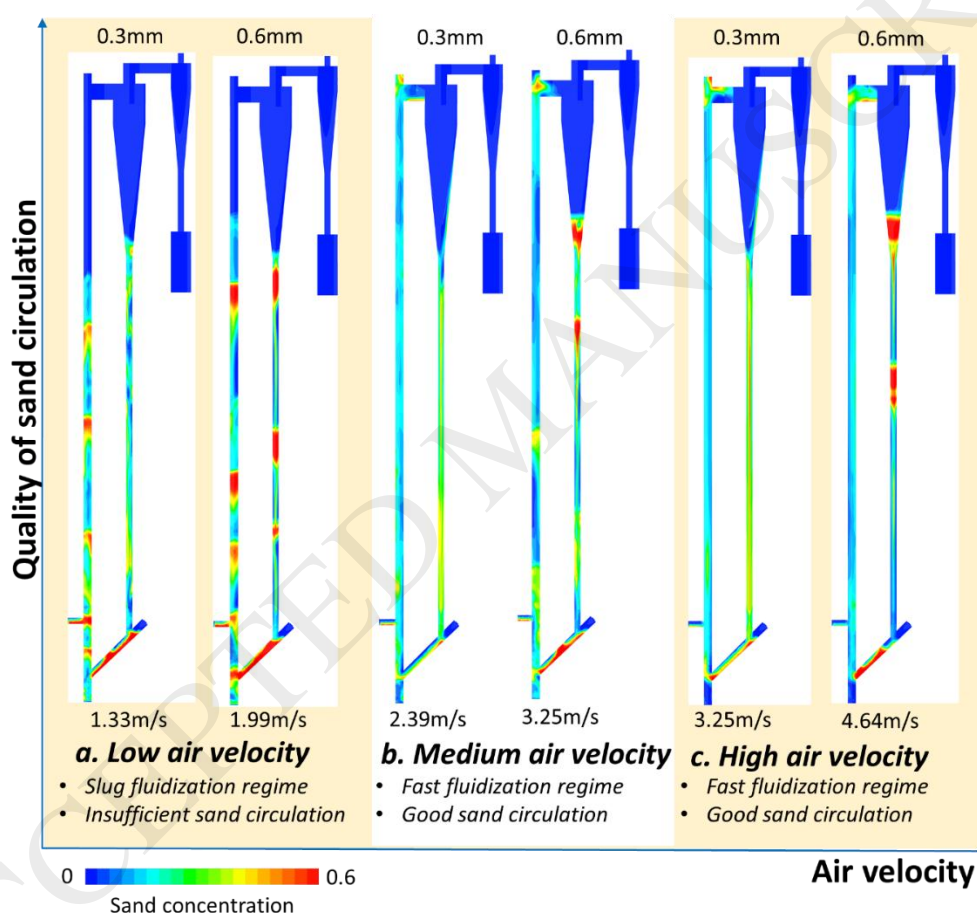
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GRAPHICAL ABSTRACT



Contour snapshot of sand (0.3 mm and 0.6 mm) concentration (volume fraction) under different air velocity at steady conditions. Flow patterns of solids (silica sand) were obtained by linking the quality of solids recirculation with the air velocity and solids particle size.

HIGHLIGHTS

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