

Dear Editor,
Chemical Engineering Journal

We are submitting our research work in the form of a regular article in Chemical Engineering Science. In chemical applications and miniaturized systems, mixing samples and reagents is an important process. In this work, we investigated mixing performance caused by wall-mounted flexible structures inside a channel flow, which acts as a passive stirrer. We systematically investigated the position of the flexible structures in the channel under different flow Reynolds numbers so as to optimize the mixing in the channel. An efficient mixing device will significantly advance state-of-the-art developments in microfluidic devices and also mixing processes across the scales in different industries. Kindly consider the research work for a further peer review in the journal.

Thank you.

Regards
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