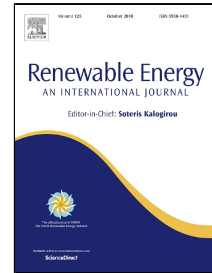


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Numerical study on the influence of vortex flow and recirculating flow into a solid particle solar receiver

M.R.I. Sarker, Soumya Mandal, Sumaiya Sadika Tuly



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4 M. R. I. Sarker<sup>1</sup>, Soumya Mandal\*<sup>2</sup>, Sumaiya Sadika Tuly<sup>3</sup>

5  
6 <sup>1,2,3</sup>Department of Mechanical Engineering, Rajshahi University of Engineering and Technology, Rajshahi-  
7 6204, Bangladesh

8 <sup>\*2</sup>Department of Mechanical and Aerospace Engineering, Oklahoma State University, Stillwater, OK 74078,  
9 USA

10  
11  
12  
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15  
16  
17  
18 *(\*) Corresponding author*

19 **E-mail** (soumyarusho@gmail.com)

20 **Phone** +1832-692-0151

21 **Postal Address** Department of Mechanical and Aerospace Engineering  
22 Oklahoma State University  
23 Stillwater, OK 74078  
24 USA.

25  
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