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## Journal Of Environmental Fluid Dynamics

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Journal Of Environmental Fluid Dynamics

Environmental Fluid Mechanics is devoted to the  
publication of basic and applied studies broadly relating to  
natural fluid systems, particularly as agents for the transport  
and dispersion of environmental contamination.

Understanding transport and dispersion processes in  
natural fluid flows, from the microscale to the planetary  
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sustainable environmental management.

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Publications - Environmental Fluid Dynamics Lab

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Handbook of Environmental Fluid Dynamics, Two-Volume Set ...

International Journal of Fluid Dynamics, Volume 8, pp 1-8; doi:10.12677/ijfd.2020.81001

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Journal | International Journal of Fluid Dynamics

Computational Fluid Dynamics (CFD) simulations are conducted using the k- SST turbulence model in ANSYS Fluent. The authors have taken into consideration several parameters such as the size of the mouth opening, the velocity of the cabin air as well as the number of droplets being exhaled by the index patient to ensure a realistic

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simulation.

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Abstract The interaction between fluid dynamics and microbiological organisms is an integral aspect of aquatic ecosystems that has received only sporadic attention over the years. The effects of fluid motion on bacterial growth kinetics and on the traditional biochemical oxygen demand (BOD) test were investigated.

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