

Vatsal Sanjay
Internal PhD Candidate
Mesa+
Physics of Fluids



Research interests

Direct Numerical Simulations of drops, bubbles, and jets at low Reynolds numbers

Employment

Internal PhD Candidate

Mesa+

University of Twente

1 Jul 2018 → present

Internal PhD Candidate

Physics of Fluids

University of Twente

1 Jul 2018 → present

Research outputs

Lifting a sessile oil drop from a superamphiphobic surface with an impacting one

Ramírez-Soto, O., Sanjay, V., Lohse, D., Pham, J. T. & Vollmer, D., 19 Aug 2020, In : Science advances. 6, 34, eaba4330.

Consequences of Inclined and Dual Jet Impingement in Stagnant Liquid and Stratified Layers

Jain, A., Sanjay, V. & Das, A. K., 26 Jan 2019, In : AIChE journal. 65, 1, p. 372-384

Formation of fluid structures due to jet-jet and jet-sheet interactions

Soni, A., Sanjay, V. & Das, A. K., 14 Dec 2018, In : Chemical engineering science. 191, p. 67-77 11 p.

Numerical Assessment of Hazard in Compartmental Fire Having Steady Heat Release Rate from the Source

Sanjay, V. & Das, A. K., 2018, In : Building Simulation. 11, p. 613-624

Formation of liquid chain by collision of two Laminar jets

Sanjay, V. & Das, A. K., 1 Nov 2017, In : Physics of fluids. 29, 11, 112101.

On air entrainment in a water pool by impingement of a jet

Sanjay, V. & Das, A. K., 1 Nov 2017, In : AIChE journal. 63, 11, p. 5169-5181 13 p.