

A computational fluid dynamics study of the infectiousness decay of droplets propagating pathogens when exposed to evaporation coupled with UVGI

Abstract Category

Computing & 4IR

Primary authors: Dr IGUMBOR, Emmanuel (University of Johannesburg (ZA)); RALIJAONA, Mbolahasina (University of Johannesburg (ZA))

Co-authors: OTWOMBE, Kennedy (Perinatal HIV Research Unit, Chris Hani Baragwanath Academic Hospital, Faculty of Health Sciences, University of the Witwatersrand South Africa and School of Public Health, Faculty of Health Sciences, University of the Witwatersrand South Africa); NABEEMEEAH, Firdaus (Perinatal HIV Research Unit, Chris Hani Baragwanath Academic Hospital, Faculty of Health Sciences, University of the Witwatersrand South Africa); MARTINSON, Neil (Perinatal HIV Research Unit, Chris Hani Baragwanath Academic Hospital, Faculty of Health Sciences, University of the Witwatersrand South Africa); MAFA, Pedro (Department of Mathematical Sciences and UNISA - ATLAS High Energy Physics Group, University of South Africa, Johannesburg, 1710, South Africa); LEEUW, Lerothodi (Department of Physics and Astronomy, University of the Western Cape, Bellville 7535, Cape Town, South Africa); CONNELL, Simon (Department of Mechanical Engineering Science, University of Johannesburg, Auckland Park, Johannesburg, South Africa)

Presenter: Dr IGUMBOR, Emmanuel (University of Johannesburg (ZA))

Track Classification: Physics Research