



ANANTHU JAMES



Post-Doctoral Fellow
Therapeutic Engineering Lab
Chemical Engineering
Indian Institute of Science, Bangalore

SHORT BIO

I'm born in Kerala. Studied BSc Physics from Kerala and MSc Physics from IIT Madras. Following that, I did my PhD in Mathematical Biology (Theoretical Population Genetics). Published a single author paper in the Journal of Theoretical Biology.

Main research interests: Epidemiology, Biostatistics, Evolution, Infectious disease

Main Honours:

KVPY Fellowship, Stream SB [2006-11]
UGC/CSIR Research Fellowship [2011-16]

CURRENT RESEARCH

I work on epidemiological aspects, motivated by evolutionary or immunological hypotheses concerning infectious diseases and their transmission, using data and statistical concepts.

CONTACT

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EDUCATION

PhD, Theoretical Sciences Unit JNCASR, Bangalore

August 2011 - March 2017

Thesis title: Evolution of mutation rates in asexual populations

MSc, Physics [IIT Madras]

[August 2009] - [April 2011]

BSc, Physics [MG University, Kerala]

[July 2006] - [May 2009]

SELECTED PUBLICATIONS ([COMPLETE LIST AVAILABLE](#))

A. James, Role of epistasis on the fixation probability of a non-mutator in an adapted asexual population, *J. Theor. Biol.*, 407, 225-237, (2016)

J. Dalal, I. Triulzi and A. James, COVID-19 Mortality in Women and Men in Sub-Saharan Africa: a Cross Sectional Study, *BMJ Global Health*, 68, e007225, (2021)

A. James and N. M. Dixit, Transmitted HIV-1 is more pathogenic in heterosexual individuals than homosexual men, *medRxiv*, (2020)