



LEVERHULME

Centre for **Wildfires,
Environment and Society**

<https://www.imperial.ac.uk/people/m.kasoar12>



Imperial College London

Home Publications

Dr Matthew Kasoar
Faculty of Natural Sciences, Department of Physics
Research Associate

Summary
Research Associate in Earth Systems Modeling - **Leverhulme Centre for Wildfires, Environment and Society**
Based at the Leverhulme Centre for Wildfires, Environment and Society, my research involves using state-of-the-art computer models to help researchers across the Centre understand the impacts of wildfire on the atmosphere and air quality, and predict how fire regimes may evolve under a changing climate.

Contact
Email

Location
7th
Huxley Building
South Kensington Campus

Research Interests

- Climate modeling: global and regional climate change
- Composition – climate – air quality interactions
- Radiative forcing – climate response relationships
- Climate and environmental policy

Affiliations

- Physics Academic
- Space and Atmosphere Physics Group

Links

- College Directory
- Search College Directory
- Faculty of Natural Sciences
- Department of Physics
- Expert Directory

- Postdoc at the Leverhulme Centre for Wildfires, Environment and Society & Department of Physics, Imperial College London
- Using UKESM1 to investigate feedbacks between climate and fires/fire emissions
- Further developments and validation of INFERNO – starting work on coupling INFERNO with the WHAM! agent-based model of human fire use being developed at King's College London