



## Modeling of Surface-Atmosphere Interactions

Guest Editors:

**Dr. Rui Salgado**

**Dr. Maria José Monteiro**

**Dr. Mariana Bernardino**

**Dr. David Carvalho**

**Dr. Flavio T. Couto**

**Dr. Rita M. Cardoso**

**Dr. João P. A. Martins**

**Prof. Dr. Joao Carlos Andrade  
dos Santos**

Deadline for manuscript  
submissions:

**31 March 2021**

### Message from the Guest Editors

This Special Issue launched in the framework of the workshop on “Numerical Weather Prediction in Portugal 2020” (<https://sites.google.com/view/nwppportugal>) aims to collect current novel papers, whether presented at the workshop or not, on the modeling of surface–atmosphere interactions. We invite researchers to contribute original research papers dealing with all aspects of the modeling of surface–atmosphere interactions, including:

- Modeling development, test, and validation;
- Surface observations and data assimilation;
- Surface reanalysis;
- Land–atmosphere interactions and feedback;
- Atmosphere–ocean interactions;
- Cryosphere–atmosphere interactions;
- Inland waters–atmosphere interactions;
- Boundary layer processes and modeling;
- Urban boundary layer;
- Atmospheric circulations over complex terrain;
- Land use and climate change;
- Fire–weather interactions and modeling;
- Dust mobilization;
- Transfer of greenhouse gases at the surface–atmosphere interface;
- Emission of pollen into the atmosphere.

