Dear Colleagues,

This Special Issue is focused on soliciting papers that contribute to an improved understanding of atmospheric processes impacting Arctic climate. Examples of particularly interesting topics include (not an exhaustive list):

- Cloud microphysics and turbulence structure
- Aerosol composition and vertical distribution, and aerosol-cloud interactions
- Atmospheric and surface energy budgets
- Atmospheric advection and transport of heat and moisture to/from the high latitudes
- Feedback mechanisms
- Evolution of atmospheric processes (and their importance) under a rapidly changing Arctic climate

This call solicits process-level studies based on both observations and model simulations. This includes intensive observational field campaign studies, long-term in-situ observatories, satellite observations, and simulations from idealized models, weather forecast models, and global circulation models. Studies that encompass a broad range of spatial and temporal scales, ranging from aerosol concentrations and turbulence, up to midlatitude-Arctic linkages, are encouraged.

Dr. Joseph Sedlar