Stanford

Aman Gupta

Physical Science Research Scientist, Earth System Science

Curriculum Vitae available Online

Bio

ACADEMIC APPOINTMENTS

- Physical Science Research Scientist, Earth System Science

LINKS

- https://amangupta2.github.io/: https://amangupta2.github.io/

Publications

PUBLICATIONS

- **Offline Performance of a Nonlocal Deep Learning Parameterization for Climate Model Representation of Atmospheric Gravity Waves** *JOURNAL OF ADVANCES IN MODELING EARTH SYSTEMS*
  Gupta, A., Sheshadri, A., Roy, S., Anantharaj, V.
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- **Gravity Wave Momentum Fluxes from 1 km Global ECMWF Integrated Forecast System.** *Scientific data*
  Gupta, A., Sheshadri, A., Anantharaj, V.
  2024; 11 (1): 903

- **Insights on Lateral Gravity Wave Propagation in the Extratropical Stratosphere From 44 Years of ERA5 Data** *GEOPHYSICAL RESEARCH LETTERS*
  Gupta, A., Sheshadri, A., Alexander, M., Birner, T.
  2024; 51 (14)

- **Updates on Model Hierarchies for Understanding and Simulating the Climate System: A Focus on Data-Informed Methods and Climate Change Impacts** *JOURNAL OF ADVANCES IN MODELING EARTH SYSTEMS*
  Mansfield, L. A., Gupta, A., Burnett, A. C., Green, B., Wilka, C., Sheshadri, A.
  2023; 15 (10)

- **Estimating the Meridional Extent of Adiabatic Mixing in the Stratosphere Using Age-Of-Air** *JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES*
  Gupta, A., Linz, M., Curbelo, J., Pauluis, O., Gerber, E. P., Kinnison, D. E.
  2023; 128 (4)