

Curriculum Vitae

Vasubandhu Misra

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General Information

University address: Earth, Ocean & Atmospheric Sci & Center for Ocean-Atmospheric Prediction Studies
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Professional Preparation

- 1997 Doctor of Philosophy, Florida State University. Major: Meteorology.
- 1995 Master of Science, Florida State University. Major: Meteorology.
- 1991 B. E., Karnataka Regional Engineering College, Mangalore University, India. Major: Civil Engineering. Not Applicable.

Nondegree Education and Training

- 1999–2000 Center for Ocean-Land-Atmosphere Studies.
- 1997–1999 Department of Atmospheric and Oceanic Sciences, McGill University, Canada.

Professional Experience

- 2012–present Associate Professor, Department of Earth, Ocean and Atmospheric Science, Florida State University, Florida State University.
- 2008–present Assistant Professor, Earth, Ocean & Atmospheric Science, Florida State University, Florida State University.

2001–2008 Research Scientist, Center for Ocean-Land-Atmosphere Studies, Institute of Global Environment and Society. Responsible for conducting climate modeling research in tropical Meteorology.

Language Proficiency

English - fluent in speaking, reading, and writing.
Hindi - native in speaking; advanced in reading and writing.
Kannada - fluent in speaking; rudimentary in reading and writing.
Tamil - intermediate in speaking; none in reading and writing.

Honors, Awards, and Prizes

Ralph E. Powe Junior Faculty Enhancement Award, Oak Ridge Association of Universities (2010). (\$10,000).
Selected Early Career Scientist for the Junior Faculty Forum, National Center for Atmospheric Research (2009).

Current Membership in Professional Organizations

American Geophysical Union
American Meteorological Society

Teaching

I weigh my teaching responsibilities equally with my research priorities. I joined this profession solely because I strongly feel that research and teaching are complimentary to each other. I endeavor to motivate students in their research with the practical application of their completed work.

Courses Taught

Introduction to Physical Climatology (MET2101)
Tropical Meteorology II (MET5533)
Southeast Climate Variations and Change (MET 4159)
Southeast Climate Variations and Change (MET 6150)
Tropical Meteorology II (MET5533)
Physical Climatology (MET2101)
Tropical Meteorology II (MET5533)
Physical Climatology (MET2101)
Tropical Meteorology II (MET 5533)
Tropical Meteorology I (MET 5534)
Tropical Meteorology II (MET5533)

New Course Development

Southeast Climate Variations and Change (2012)
Physical Climatology (2010)
Tropical Meteorology I (2009)
Tropical Meteorology II (2009)

Curriculum Development

Southeast US Climate Variations and Change: This is a course being offered at the senior undergraduate and at graduate level. Although parochial by title, it dwells on global climate variations and change and relates them to the local (southeast US) climate variations and change (2012)

Physical climatology: This is an introductory course to understand the components of the earth's climate system and underlying principles of climate variability (2010)

Tropical Meteorology II: This dwells on the meso and synoptic scale variations of the atmosphere at tropical latitudes. The students are given extensive introduction to atmospheric convection (a characteristic feature of the tropical latitudes), tropical boundary layer and a lengthy discussion on hurricanes and the African easterly waves (2009)

Tropical Meteorology I: dwells on large-scale tropical variations of weather and climate. It gives a holistic perspective on tropical variations with extensive discussions on coupled ocean-land-atmosphere interactions. The students are exposed to relevant theoretical, observational and modeling studies (2009)

Doctoral Committee Chair

Kozar, Michael (beginning in Fall 2011), doctoral candidate. (2015). *Seasonal predictability of Atlantic storm activity.*

Nag, Bappaditya (beginning in Fall 2011), doctoral candidate. (2015). *Low frequency variations of the southeastern US hydroclimate.*

Selman, Christopher (beginning in Fall 2012), doctoral student. (2015). *Diurnal variations in the Southeastern US.*

Doctoral Committee Cochair

Mackey, B., doctoral student. (2014).

Michael, J. -P., doctoral student. (2013). *Initializing coupled ocean-atmosphere models for ENSO prediction.*

Doctoral Committee Member

Ryglicki, D. R., graduate. (2011).
Maue, R., graduate. (2010).
Nowell, H. K., doctoral candidate.
Wang, H., doctoral candidate.
You, Y., doctoral candidate. (2013).
Annane, B., doctoral student.
Halperin, D., doctoral student.
Truchelet, R., doctoral student.
Weihs, R. R., doctoral student.

Doctoral Committee University Representative

Saha, B., doctoral student.

Master's Committee Chair

Selman, C., graduate. (2012). *Impact of irrigation on the southeast US climate.*
Stroman, A. C., graduate. (2011). *The rendition of the Atlantic Warm Pool in Reanalyses.*
Frumkin, A. J., graduate. (2011). *Predictability of dry season reforecasts over the tropical South American region.*
Pantina, P., graduate. (2011). *Characterizing the variability of the Indian Monsoon: Changes in evaporative sources for summertime rainfall events.*
Seitz, C., student. (2014).

Master's Committee Cochair

Michael, J. -P., graduate. (2010). *ENSO fidelity in two coupled models.*
Seitz, C., student. (2014).
Moeller, L. E., student. (2011). *Low frequency variations of the sea breeze in Florida.*

Master's Committee Member

Lahr, A., graduate. (2014).
Glazer, R., graduate. (2014).
Ren, Y., graduate. (2014).
Heath, N., graduate. (2013).
Helms, C., graduate. (2012).
Johnson, B., graduate. (2012).
Moore, K., graduate. (2012).
Todd, A., graduate. (2012).

Strazzo, S. E., graduate. (2011).
Taylor, Z. B., graduate. (2011).
May, J. C., graduate. (2010).
Hernandez, K., student.
Moore, K. E., student.
Bradford, J., student. (2012).
Taylor, A., student. (2012).
Thompson, A., student. (2011).
Zelinsky, D. A., student. (2011).
Ma, Y., student. (2011).

Research and Original Creative Work

My research primarily resides in climate variations. I am fundamentally a climate modeler interested to simulate, predict, and understand the slowly varying climate variations. I am also interested to build new interfaces with other disciplines.

Publications

Refereed Journal Articles

Misra, V., Li, H., & Kozar, M. (submitted). The Atlantic precursors to late summer-early fall climate variations over North America. *Geophysical Research Letters*. Manuscript submitted for publication, 15 pages.

Nag, B., Misra, V., & Bastola, S. (submitted). Validating ENSO teleconnections on Southeastern United States Winter Hydrology. *Earth Interactions*. Manuscript submitted for publication, 22 pages.

Li, H., Kanamitsu, M., Hong, S. -Y., Yoshimura, K., Cayan, D. R., Misra, V., & Sun, L. (in press). Projected Climate Change Scenario over California by a Regional Ocean–Atmosphere Coupled Model System. *Climatic Change*, doi:10.1007/s10584-013-1025-8, 25 pages.

Misra, V., & Haiqin, L. (in press). The seasonal climate predictability of the Atlantic Warm Pool and its Teleconnections. *Geophys. Res. Lett.*, doi:10.1002/2013GL058740, 6 pages.

Misra, V., & Li, H. (in press). The seasonal predictability of the Asian summer monsoon in a two tiered forecast system. *Climate Dynamics*, 37 pages.

Bastola, S., & Misra, V. (in press). Seasonal hydrological forecasts for watersheds over the Southeastern United States for boreal summer and fall seasons. *Earth Interactions*, 38 pages.

Cammarano, D., Stefanova, L., Ortiz, B., Rodrigues, M. R., Asseng, S., Misra, V., Wilkerson, G., Basso, B., Jones, J. W., & Boote, K. J. (2013). Evaluating the fidelity of downscaled

- climate data on simulated wheat and maize production in the southeastern US. *Regional Environmental Change*, 1-x. doi:10.1007/s10113-013-0410-1
- Misra, V., DiNapoli, S., & Powell, M. (2013). The Track Integrated Kinetic Energy of the Atlantic Warm Pool. *Monthly Weather Rev*, 1-x. doi:10.1175/MWR-D-12-00349.1
- Bastola, S., & Misra, V. (2013). Evaluation of dynamically downscaled reanalysis precipitation data for hydrological application: A case study of watersheds in the southeast United States. *Hydrological Processes*, 1-x. doi:10.1002/hyp.9734
- Li, H., & Misra, V. (2013). Global Seasonal Climate Predictability in a Two Tiered Forecast System. Part II: Boreal winter and spring seasons. *Climate Dynamics*, 1-x. doi:10.1007/s00382-013-1813-x
- Li, H., Kanamitsu, M., Hong, S. -Y., Yoshimura, K., Cayan, D. R., & Misra, V. (2013). A high-resolution ocean-atmosphere coupled downscaling of present climate over California. *Climate Dynamics*, 1-x. doi:10.1007/s00382-013--1670-7
- Michael, J. -P., Misra, V., & Chassignet, E. (2013). The El Niño Southern Oscillation in the Historical Centennial Integrations of the new Generation of Climate Models. *Regional Environmental Change*, 1-x. doi:10.1007/s10113-013-0452-4
- Misra, V., & DiNapoli, S. (2013). The variability of the Southeast Asian Summer Monsoon. *International journal of climatology*, 1-x. doi:10.1002/joc.3735
- Selman, C., Misra, V., Stefanova, L., DiNapoli, S., & Smith, T. (2013). Understanding Differing Regional and Global Climate Model Projections of the 21st Century Wet Season Over the Southeastern United States. *Regional Environmental Change*, 1-x. doi:10.1007/s10113-013-0477-8
- Misra, V., & DiNapoli, S. M. (2012). Understanding wet season variations over Florida. *Climate Dynamics*, 34. doi:10.1007/s00382-012-1382-4
- Kozar, M., & Misra, V. (2012). Evaluation of twentieth-century Atlantic warm pool simulations in historical CMIP5 runs. *Climate Dynamics*, 1-x. doi:DOI 10.1007/s00382-012-1604-9
- Misra, V., Pantina, P., Chan, S. C., & DiNapoli, S. (2012). A comparative study of the Indian summer monsoon hydroclimate and its variations in three reanalyses. *Climate Dynamics*, 39, 1149-1168. doi:10.1007/s00382-012-1319-y
- Misra, V., Stroman, A., & DiNapoli, S. (2012). The rendition of the Atlantic warm pool in the reanalyses. *Climate Dynamics*, 46. doi:10.1007/s00382-012-1503-0
- Misra, V., & DiNapoli, S. M. (2012). The observed teleconnection between equatorial Amazon and the Intra-Americas Seas. *Climate Dynamics*, 1-33. doi:10.1007/s00382-012-1474-1

- Bastola, S., & Misra, V. (2012). Sensitivity of Hydrological Simulations of Southeastern United States Watersheds to Temporal Aggregation of Rainfall. *Journal of hydrometeorology*, 1-x. doi:10.1175/JHM-D-12-096.1
- DiNapoli, S., & Misra, V. (2012). Reconstructing the 20th Century High-Resolution Climate of the Southeastern United States. *Journal of Geophysical Research (Atmospheres)*; doi:10.1029/2012JD018303, 1-x. doi:10.1029/2012JD018303.
- Frumkin, A., & Misra, V. (2012). Predictability of dry season reforecasts over the tropical and subtropical South American region. *International journal of climatology*, 11. doi:10.1002/joc.3508
- Misra, V., DiNapoli, S., & Bastola, S. (2012). Dynamic downscaling of the 20th Century Reanalysis over the Southeastern United States. *Regional Environmental Change*, 1-x. doi:10.1007/s10113-012-0372-8
- Misra, V., Li, H., Wu, Z., & DiNapoli, S. (2012). Global seasonal climate predictability in a two tiered forecast system. Part I: Boreal summer and fall seasons. *Climate Dynamics*, 1-x. doi:10.1007/s00382-013-1812-y
- Misra, V., & Michael, J. -P. (2012). Varied diagnosis of the observed surface temperature trends in the southeastern United States. *Journal of Climate*, 1-x. doi:JCLI-D-12-00241.1
- Misra, V., Michael, J. -P., Boyles, R., Chassignet, E. P., & O'Brien, J. J. (2012). Reconciling the spatial distribution of the surface temperature trends in the southeast US. *Journal of climate*, 27. doi:http://dx.doi.org/10.1175/JCLI-D-11-0017
- Stefanova, L., Misra, V., Chan, S., O'Brien, J. J., & SmithIII, T. J. (2011). A proxy for high resolution regional reanalysis for the Southeast United States: Assessment of precipitation variability. *Climate Dynamics*, 38, 2449-2466. Retrieved from http://coaps.fsu.edu/~vmisra/clarres_jan21.pdf doi:10.1007/s00382-011-1230-y
- Chan, S., & Misra, V. (2011). *Dynamic downscaling of the North American monsoon with the ECPC-NCEP regional spectral model from NCEP CFS global model-varied representation. *Journal of Climate*, 24, 653-673. Retrieved from <http://coaps.fsu.edu/~vmisra/nam.pdf>
- Chan, S., Misra, V., & Smith, H. (2011). A modeling study of the interaction between the Atlantic warm pool, Tropical Atlantic Easterlies, and the Lesser Antilles. *Journal of Geophysical Research (Atmospheres)*, doi:10.1029/2010JD01, 1-x. Retrieved from <http://coaps.fsu.edu/~vmisra/antilles.pdf>
- Marengo, J. A., Liebmann, B., Grimm, A., Misra, V., Dias, P. S., Cavalcanti, I. F. A., Carvalho, L. M. V., Berbery, E. H., Ambrizzi, T., Vera, C. S., Saulo, A. C., Nogues-Paegle, J., Zipser, E., Seth, A., & Alves, L. M. (2011). New developments on the functioning, characteristics, and variability of the South American Monsoon System. *International*

- Journal of Climatology*, doi:10.1002/joc.2254, 1-x. Retrieved from <http://coaps.fsu.edu/~vmisra/reviewsam.pdf>
- Misra, V., Moeller, L., Stefanova, S., Chan, S., O'Brien, J. J., SmithIII, T. J., & Plant, N. (2011). The influence of the Atlantic Warm Pool on the Panhandle Florida Sea Breeze. *Journal of Geophysical Research (Atmospheres)*, doi:10.1029/2010JD01, 1-x.
- Stefanova, L., Misra, V., O'Brien, J. J., Chassignet, E., & Hameed, S. (2011). Multi-model seasonal climate hindcast skill and predictability for the southeast United States. *Climate Dynamics*, DOI 10.1007/s00382-, 1-x. Retrieved from <http://coaps.fsu.edu/~vmisra/seus-skill.pdf>
- Chan, S., & Misra, V. (2010). A diagnosis of the 1979-2005 Extreme Rainfall Events in the southeast US with Isentropic Moisture Tracing. *Monthly Weather Review*, 138, 1172-1185. Retrieved from <http://coaps.fsu.edu/~vmisra/mwr-schan.pdf>
- Krishnamurthy, V., & Misra, V. (2010). Daily Atmospheric Variability in the South American Monsoon System. *Climate Dynamics*, doi:10.007/s00382-01, 1-x. Retrieved from <http://coaps.fsu.edu/~vmisra/daily.pdf>
- Krishnamurthy, V., & Misra, V. (2010). Observed ENSO teleconnections with the South American System. *Atmospheric Science Letters*, 11, 7-12. Retrieved from <http://coaps.fsu.edu/~vmisra/ar1.pdf>
- Misra, V. (2010). Interaction of interannual and diurnal variations over equatorial Africa. *Journal of Geophysical Research*, 115, 1-x. Retrieved from <http://coaps.fsu.edu/~vmisra/zaire.pdf>
- Wei, J., Dirmeyer, P. A., Guo, Z., Zhang, L., & Misra, V. (2010). How much do different land models matter for climate simulation: results from an atmospheric model coupled to three different land models. *Journal of Climate*, 23, 3135-3145. Retrieved from <http://coaps.fsu.edu/~vmisra/wei2010.pdf>
- Misra, V. (2009). Harvesting Model Uncertainty in the Simulation of the Interannual Variability. *Journal of Geophysical Research (Atmospheres)*, 114, 1-11. Retrieved from <http://coaps.fsu.edu/~vmisra/harvest.pdf>
- Misra, V. (2009). The Amplification of the ENSO Forcing over Northern Tropical South America. *Journal of Hydrometeorology*, 16, 1561-1568. Retrieved from <http://coaps.fsu.edu/~vmisra/saamp.pdf>
- Misra, V., & Chan, S. (2009). Seasonal predictability of the Atlantic Warm Pool in the NCEP CFS. *Geophysical Research Letters*, 36, 1-x. Retrieved from http://coaps.fsu.edu/~vmisra/awp_pred.pdf

- Misra, V., Chan, S., Wu, R., & Chassignet, E. (2009). Air-Sea Interactions over the Atlantic Warm Pool in the NCEP CFS. *Geophysical Research Letters*, *36*, 1-x. Retrieved from <http://coaps.fsu.edu/~vmisra/awp.pdf>
- Misra, V., & Dirmeyer, P. (2009). Air, Sea and Land interactions of the US Hydroclimate. *Journal of Hydrometeorology*, *10*, 353-373. Retrieved from <http://coaps.fsu.edu/~vmisra/aol-us.pdf>
- Misra, V., & Marx, L. (2009). The coupled seasonal hindcasts of the South American Monsoon. *International Journal of Climatology*, *29*, 1101-1115. Retrieved from <http://coaps.fsu.edu/~vmisra/ijoc.pdf>
- Brunke, M., Zeng, X., Misra, V., & Beljaars, A. (2008). Integration of a prognostic sea surface skin temperature scheme into weather and climate models. *Journal of Geophysical Research (Atmospheres)*, *D21117*, 1-15. Retrieved from <http://coaps.fsu.edu/~vmisra/brunke.pdf>
- Misra, V. (2008). Coupled Air, Sea, and Land Interactions of the South American Monsoon. *Journal of Climate*, *21*, 6389-6403. Retrieved from <http://coaps.fsu.edu/~vmisra/aol-sam.pdf>
- Misra, V. (2008). Coupled Interactions of the Monsoons. *Geophysical Research Letters*, *35*, 1-7. Retrieved from <http://www.coaps.fsu.edu/~vmisra/gmonsoons.pdf>
- Misra, V., Marx, L., Fennessy, M., Kirtman, B. P., & KinterIII, J. L. (2008). A Comparison of Climate Prediction and Simulation over Tropical Pacific. *Journal of Climate*, *21*, 3601-3611. Retrieved from <http://www.coaps.fsu.edu/~vmisra/cmip.pdf>
- Misra, V., Marx, L., Zeng, X., & Brunke, M. (2008). The Equatorial Pacific Cold Tongue Bias in a Coupled Climate Model. *Journal of climate*, *21*, 5852-5869. Retrieved from <http://www.coaps.fsu.edu/~vmisra/coupint.pdf>
- Misra, V. (2007). A Sensitivity Study of the Coupled Simulation of the Northeast Brazil Rainfall Variability. *Journal of Geophysical Research (Atmospheres)*, *112*, 1-16. Retrieved from http://www.coaps.fsu.edu/~vmisra/nor_col3.2_jgr.pdf
- Misra, V. (2007). Addressing the Issue of Systematic Errors in a Regional Climate Model. *Journal of Climate*, *20*, 801-818. Retrieved from <http://www.coaps.fsu.edu/~vmisra/addressing.pdf>
- Misra, V. (2007). The manifestation of remote response over equatorial Pacific in a climate model. *Journal of Geophysical Research (Atmospheres)*, *112*, 1-17. Retrieved from <http://www.coaps.fsu.edu/~vmisra/manifestation.pdf>
- Misra, V., Marx, L., KinterIII, J. L., Kirtman, B. P., Guo, Z., Min, D., Fennessy, M., Dirmeyer, P. A., Kallumal, R., & Straus, D. M. (2007). Validating and Understanding ENSO

- simulation in Two Coupled Models. *Tellus*, 58A, 292-308. Retrieved from <http://www.coaps.fsu.edu/~vmisra/validating.pdf>
- Misra, V., & Zhang, Y. (2007). The Fidelity of the NCEP CFS Seasonal Hindcasts over Nordeste. *Monthly Weather Review*, 135, 618-627. Retrieved from http://www.coaps.fsu.edu/~vmisra/nor_cola3.2_jgr.pdf
- Misra, V. (2006). Understanding the predictability of seasonal precipitation over Northeast Brazil. *Tellus*, 58A, 307-319. Retrieved from <http://www.coaps.fsu.edu/~vmisra/tellus.pdf>
- Misra, V. (2005). On the simulation of the intraseasonal variance of the South American summer Monsoon. *Monthly Weather Review*, 133, 663-676. Retrieved from http://www.coaps.fsu.edu/~vmisra/intraseas_jp.pdf
- Misra, V. (2004). An Evaluation of the Predictability of the Austral Summer Seasonal Precipitation over South America. *Journal of Climate*, 17, 1161-1175. Retrieved from http://www.coaps.fsu.edu/~vmisra/southamerica-predictability_jp.pdf
- Misra, V. (2004). The teleconnection between western Indian and western Pacific Oceans. *Monthly Weather Review*, 132, 445-455. Retrieved from http://www.coaps.fsu.edu/~vmisra/westpacific_jp.pdf
- Misra, V., & Kanamitsu, M. (2004). Anomaly Nesting: A methodology to downscale seasonal climate simulations from an AGCM. *Journal of Climate*, 17, 3249-3262. Retrieved from <http://www.coaps.fsu.edu/~vmisra/anomalynesting.pdf>
- Rajendran, K., Krishnamurti, T. N., Misra, V., & Tao, W. -K. (2004). An empirical cumulus parameterization scheme based on TRMM latent heating profiles. *Meteorological Society of Japan*, 82, 989-1006. Retrieved from http://www.coaps.fsu.edu/~vmisra/cumulus_jp.pdf
- Misra, V. (2003). The influence of Pacific SST on the precipitation over southern Africa diagnosed from an AGCM. *Journal of Climate*, 16, 2408-2418. Retrieved from <http://www.coaps.fsu.edu/~vmisra/africa.pdf>
- Misra, V., Dirmeyer, P. A., & Kirtman, B. P. (2003). Dynamical downscaling of seasonal simulations over South America. *Journal of climate*, 16, 103-117. Retrieved from http://www.coaps.fsu.edu/~vmisra/dynamic_downscale.pdf
- Misra, V., Dirmeyer, P. A., & Kirtman, B. P. (2002). A comparison of two land surface schemes in regional climate simulations over South America. *Journal of Geophysical Research (Atmospheres)*, 107, 48-1 48-9. Retrieved from http://www.coaps.fsu.edu/~vmisra/twolandsurface_jp.pdf
- Misra, V., Dirmeyer, P. A., Kirtman, B. P., Juang, H. -M., & Kanamitsu, M. (2002). Regional Simulation of Interannual Variability over South America. *Journal of Geophysical*

Research (Atmospheres), 107, 3-1 3-16. Retrieved from http://www.coaps.fsu.edu/~vmisra/simulationofSA_jp.pdf

Misra, V., & Yau, M. K. (2001). An ensemble strategy for high-resolution regional model forecasts. *Meteorology and Atmospheric Physics*, 78, 61-74.

Misra, V., Yau, M. K., & Badrinath, N. (2000). Atmospheric water species budget study in mesoscale simulations of lee cyclones over Mackenzie River Basin. *Tellus*, 52A, 150-161. Retrieved from http://www.coaps.fsu.edu/~vmisra/mackenzie_jp.pdf

Krishnamurti, T. N., Sinha, M. C., Misra, V., & Sharma, O. P. (1997). Tropical-middle latitude interactions viewed via wave energy flux in the frequency domain. *Dynamics of Atmospheres and Oceans*, 27, 383-412. Retrieved from <http://www.coaps.fsu.edu/~vmisra/Tropical-middle.pdf>

Krishnamurti, T. N., Han, S. K., & Misra, V. (1995). Predictions of Dry and Wet spell of the Australian Monsoon. *International Journal of Climatology*, 15, 753-771. Retrieved from http://www.coaps.fsu.edu/~vmisra/aus_monsoon.pdf

Invited Books

Krishnamurti, T. N., Stefanova, L., & Misra, V. (2012). *An Introductory Course in Tropical Meteorology*. Springer Verlag.

Edited Books

Misra, V. (Ed.). (in press). *Muti-disciplinary assessment of the Southeastern US climate*. Regional Environmental Change, Springer.

Invited Book Chapters

Krishnamurti, T. N., Misra, V., Bhaskar, J., & Tewari, M. (1995). Recent Research Contributions on the South Asian Monsoon. In R. A. Pielke Jr., & R. A. Pielke Sr. (Eds.), *Hazards and Disasters* (pp. 270-310). Routledge, London. Retrieved from <http://coaps.fsu.edu/~vmisra/recent-southasia.pdf>

Refereed Encyclopedia Entries

Misra, V. (in press). Ocean-Atmosphere Interaction. In Y. Q. Wang (Ed.), *Encyclopedia of Natural Hazards*. Taylor and Francis.

Invited Reviews

Misra, V. (in press). Modeling Uncertainty in the Earth Sciences. *Bulletin of American Meteorological Society*, 3 pages.

Invited Newsletter Articles

Misra, V. (contract). NOAA Climate Prediction Task Force. *US CLIVAR*.

Douglas, A. V., Enfield, D. B., & Misra, V. (2013, May). A review of recent research activities within the Intra-Americas Science Climate Processes Program (IASCLiP). *GEWEX*, 18, 2-4. Retrieved from <http://www.clivar.org/sites/default/files/Exchanges/Exchanges%2061.pdf>

Presentations

Invited Papers at Conferences

Misra, V. (accepted). *Florida Climate Institute Seasonal Hindcasts at 50km grid resolution*. Paper to be presented at Southeast Climate Consortium--Fall Meeting, SECC, Tifton, Georgia. (Regional)

Misra, V. (accepted). *Understanding climate change in the southeast US from (recent) past, present, and future, Ecology of the Everglades in the Context of Climate Change*. Paper to be presented at Webinar in Hydrology, South Florida Water Management District, Webinar. (Regional)

Misra, V. (accepted). *Understanding climate change in the southeast US from (recent) past, present, and future, Hydrology of the Everglades in the Context of Climate Change*. Paper to be presented at USGS, CES, Sea Grant Sponsored Workshop, Florida Atlantic University-Davie Campus, Ft. Lauderdale. (State)

Misra, V. (presented 2012, August). *IASCLiP Modeling*. Paper presented at IASCLiP Appraisal, US CLIVAR, Washington DC. (National)

Misra, V. (presented 2012, June). *Reconciling the differing projections for the wet season over the southeastern US*. Paper presented at Landscape and Climate Science and Scenarios Workshop, Peninsula Florida Landscape Conservation Cooperative, St. Petersburg, Florida. (Regional)

Nonrefereed Papers at Conferences

- Misra, V. (accepted). *Learning to tailor seasonal climate prediction to a stakeholder group in Florida*. Paper to be presented at RISA annual conference, NOAA, San Diego. (National)
- DiNapoli, S., & Misra, V. (accepted). *FLAReSI.0*. Paper to be presented at SECC Fall planning meeting, SECC, Tifton, Georgia. (Regional)
- Kozar, M., & Misra, V. (presented 2013, May). *Atlantic Warm Pool Climatology within Historical CMIP5 Runs*. Paper presented at SECC-Spring Meeting, SECC, Savannah, Georgia. (Regional)
- Misra, V. (presented 2012, November). *New sources of historical and projected climate data*. Paper presented at Southeast Climate Consortium Fall Planning Meeting, SECC, University of Georgia, Tifton. (Regional)
- Misra, V. (presented 2012, October). *Florida Climate Institute-Florida State University Seasonal Hindcasts at 50km*. Paper presented at Climate Impacts working group meeting, Florida Water and Climate Alliance, Orlando Utility Corporation, Orlando. (State)
- Misra, V. (presented 2012, July). *A perspective on reanalysis*. Paper presented at Department Seminar, Center for Atmospheric Sciences, Indian Institute of Technology, New Delhi, India, New Delhi. (Regional)

Invited Keynote and Plenary Presentations at Conferences

- Misra, V. (presented 2012, March). *Understanding climate change in the southeast US: (recent) past, present and future*. Keynote presentation at Hydrology of the Everglades in the Context of Climate Change, USGS, Florida Sea Grant, Florida Atlantic University, Boca Raton, Florida. (Regional)
- Misra, V. (presented 2011, May). *Scenarios for Planning*. Plenary presentation at Climate Information for Managing Risks, UF/SECC/FCI, Orlando, FL. (International)

Nonrefereed Presentations at Conferences

- Misra, V. (presented 2012, May). *Why models project to dry the summers of the southeast US in a future world?* Presentation at Modes of Variability in the Climate System, European Science Foundation, Innsbruck, Austria. (International)
- Misra, V., A. Frumkin, and S.DiNapoli. (presented 2011, June). *A potential feedback of the Amazonian rainfall variability on the Intra-Americas Seas*. Poster presentation at 16th Annual CESM workshop, NCAR, Breckenridge, Colorado. (National)

- Misra, V., J. -P. Michael, R. Boyles, E. Chassignet, M. Griffin, & J. J. O'Brien. (presented 2011, May). *Anthropogenic influence on climate over the Southeast United States*. Presentation at Climate information for managing risks, UF/SECC/FCI, Orlando, FL. (International)
- Michael, J. -P., Misra, V., & Chassignet, E. P. (presented 2010, November). *ENSO simulation in two coupled coupled models*. Poster presentation at New strategies for evaluating ENSO processes in climate models, WCRP, Paris, France. (International)
- Stefanova, L., & Misra, V. (presented 2010, November). *Summer seasonal prediction skill over the southeast US*. Presentation at Fall SECC meeting, SECC, Rosentiel School of Marine Sciences, University of Miami. (Regional)
- Frumkin, A., & Misra, V. (presented 2010, October). *Predictability and fidelity of dry season downscaled reforecasts over the tropical South American region*. Poster presentation at NOAA 35th Climate diagnostics and prediction workshop, NOAA, Raleigh, North Carolina. (National)
- Misra, V. (presented 2010, October). *Seasonal predictability of the Atlantic Warm Pool in the NCEP CFS*. Presentation at NOAA 35th Climate Diagnostics and Prediction Workshop, NOAA, Raleigh, North Carolina. (National)
- Moeller, L., & Misra, V. (presented 2010, October). *Sea breeze variations in Florida*. Presentation at NOAA 35th Climate diagnostics and prediction workshop, NOAA, Raleigh, North Carolina. (National)
- Pantina, P., & Misra, V. (presented 2010, October). *Tracing the evaporative sources of the dry and wet spells of the Indian Monsoon*. Poster presentation at NOAA 35th Climate diagnostics and prediction workshop, NOAA, Raleigh, North Carolina. (National)
- Stefanova, L., Misra, V., Chan, S., Griffin, M., O'Brien, J. J., & SmithIII, T. J. (presented 2010, October). *Atmospheric regional reanalysis of the Southeast US*. Poster presentation at NOAA 35th Climate diagnostics and prediction workshop, NOAA, Raleigh, North Carolina. (National)
- Stroman, A., & Misra, V. (presented 2010, October). *Rendition of the Atlantic warm pool in the reanalyses*. Poster presentation at NOAA 35th Climate diagnostics and prediction workshop, NOAA, Raleigh, North Carolina. (National)
- Stefanova, L., Misra, V., Chan, S., Griffin, M., O'Brien, J. J., & SmithIII, T. J. (presented 2010, May). *Atmospheric regional reanalysis of the Southeast US*. Poster presentation at Spring planning meeting of SECC, SECC, Raleigh, North Carolina. (Regional)
- Chan, S., & Misra, V. (presented 2010, January). *Southeast US extreme precipitation events footprint in interannual variability*. Poster presentation at 90th AMS General Annual Meeting, AMS, Atlanta, GA. (National)

- Misra, V. (presented 2009, November). *Does climate change impact Oyster population in the Apalachicola Bay?* Presentation at 3rd Annual workshop on aquatic resources, NSF, Alexandria, Egypt. (International)
- Misra, V. (presented 2009, July). *Harvesting model uncertainty for the simulation of interannual variations.* Poster presentation at Advanced Study Program Junior Faculty Forum, NCAR, Boulder, Colorado. (International)
- Misra, V. (presented 2007, October). *The Equatorial Cold Tongue Bias in a Coupled Climate Model.* Presentation at NOAA 32nd Climate Diagnostics and Prediction Workshop, NOAA, Tallahassee, FL. (National)
- Misra, V. (presented 2007, July). *Multi-scale interactions of the South American Monsoon.* Poster presentation at Celebrating the Monsoons, Indian Institute of Science, Bengaluru, India. (International)
- Misra, V. (presented 2007, February). *A comparison of climate prediction and simulation over tropical Pacific.* Poster presentation at 3rd WGNE workshop on systematic errors in climate and NWP models, WGNE, San Francisco. (International)
- Misra, V. (presented 2006, April). *Dynamic downscaling of the South American Seasonal Climate.* Poster presentation at 8th International Conference on Southern Hemisphere Meteorology and Oceanography, American Meteorological Society, Foz do Iguacu, Brazil. (International)
- Misra, V. (presented 2006, April). *The fidelity of NCEP-CFS seasonal hindcasts over Nordeste.* Poster presentation at 8th International Conference on Southern Hemisphere Meteorology and Oceanography, American Meteorological Society, Foz do Iguacu, Brazil. (International)
- Misra, V. (presented 2005, October). *A Journey to "ENSO" Simulation at COLA.* Presentation at 30th Annual climate diagnostics workshop, State College, NOAA, State College, PA. (Local)
- Misra, V. (presented 2005, October). *The fidelity of NCEP-CFS seasonal hindcasts over Nordeste.* Poster presentation at 30th Annual climate diagnostics workshop, State College, Penn State University, State College, PA. (National)
- Misra, V. (presented 2005, July). *Addressing the issue of Systematic Errors in RSM.* Presentation at 6th Annual RSM workshop, International research institute for Climate and Society, Palisades, New York. (International)

- Misra, V. (presented 2005, January). *The seasonal climate variability in the version 3 of the Center for Ocean-Land-Atmosphere Studies (COLA) AGCM*. Poster presentation at 16th Conference on Climate Variability and Change, American Meteorological Society, San Diego, CA. (National)
- Misra, V. (presented 2004, July). *Dynamic downscaling of seasonal simulations over South America*. Presentation at 4th International RSM conference, Los Alamos National Laboratory, Los Alamos, New Mexico. (International)
- Misra, V. (presented 2004, June). *Anomaly Nesting: A methodology to downscale the South American summer monsoon from an AGCM*. Poster presentation at International CLIVAR conference, World Climate Research Program, Baltimore, MD. (International)
- Misra, V. (presented 2004, January). *COLA's research and prediction activity over Nordeste*. Presentation at VI International Workshop on Climate Prediction (and evaluation) for Nordeste (north part), Brazilian Meteorological Agency, Fortaleza, Brazil. (International)
- Misra, V. (presented 2003, October). *The teleconnection between western Indian and western Pacific Oceans, Scale interactions and variability of the monsoons*. Presentation at International Conference on Seasonal to Interannual Variability of the Indian Monsoon, Center for Mathematical modeling and computer simulation, Munnar, India. (International)
- Misra, V. (presented 2001, February). *Implication of high resolution climate modeling over South America*. Presentation at The Large-scale Biosphere-Atmosphere Experiment in Amazonia (LBA) open ecology meeting, LBA, Atlanta, GA. (International)
- Misra, V. (presented 2001, January). *Interannual Variability in the Regional Climate Simulation over South America*. Poster presentation at AMS symposium on Climate Variations, the Oceans and Societal Impacts, American Meteorological Society, Albuquerque, New Mexico. (National)
- Misra, V. (presented 2000, July). *Multi-seasonal Regional Climate Simulation over South America During Three Contrasting Years of the ENSO cycle*. Presentation at 2nd international RSM conference, Maui High performance computing center, Maui, Hawaii. (International)
- Misra, V. (presented 2000, June). *The Simulated Moisture Budget over South America During Three Contrasting Years of the ENSO cycle*. Presentation at First Scientific Conference of the Large-Scale Biosphere-Atmosphere Experiment in Amazonia, NASA, Belem, Brazil. (International)
- Misra, V. (presented 2000, May). *High Resolution Moisture Budget over South America During Three Contrasting Years of the ENSO cycle*. Poster presentation at Spring meeting of American Geophysical Union, AGU, Washington D. C. (National)

Misra, V. (presented 1999, July). *An Ensemble strategy for forecasts at meso-* scales using high resolution precipitation observations*. Presentation at 29th International Conference on Radar Meteorology, American Meteorological Society, Montreal, Canada. (International)

Misra, V. (presented 1999, June). *Residue Free atmospheric water budget study over Mackenzie River Basin during the life history of lee cyclones*. Presentation at 33rd Annual Canadian Meteorological and Oceanographic Society (CMOS) Congress, CMOS, Montreal, Canada. (National)

Misra, V. (presented 1998, October). *An ensemble strategy for high-resolution regional model forecasts*. Presentation at Tropical Rainfall Measuring Mission Workshop, NASA, Tallahassee, FL. (International)

Nonrefereed Presentations at Symposia

Misra, V. (presented 2012, August). Understanding climate change in the southeast US from (recent) past, present, and future. In Jayantha Obeysekera (Chair), *Climate Science for Ecologists*. Presentation at the meeting of Florida Atlantic University and USGS, Webinar. (State)

Invited Workshops

Misra, V. (2012, August). *Oscillation Monsoon in the Current and Future Climate*. Workshop delivered at International Center for Theoretical Physics, Trieste, Italy. (International)

Invited Lectures and Readings of Original Work

Misra, V. (2013, February). *From Stakeholder needs to cyberinfrastructure capitalization*. Delivered at Center for Atmospheric and Oceanic sciences, Indian Institute of Science, Bengaluru, India. (International)

Misra, V. (2012, August). *IASCLiP Modeling*. Delivered at US CLIVAR. (National)

Misra, V. (2012, August). *Understanding climate change in the southeast US from (recent) past, present and future*. Delivered at Florida Atlantic University, Webinar (Tallahassee, Florida). (State)

Misra, V., & Michael, J. P. (2012, April). *Uncertainties in estimating observed temperature trends in the Southeast US*. Delivered at Southeast Climate Consortium, University of Alabama, Auburn. (Regional)

- Misra, V. (2011, May). *Land of flowers on a latitude of deserts: aiding conservation and management of Florida's biodiversity*. Delivered at Public Water Supply utilities Climate Impact Working Group, Orlando Utility Corporation. (State)
- Misra, V. (2011, April). *CLARReS10: A way to regional reanalysis*. Delivered at College of Marine Science, University of South Florida, St. Petersburg, FL. (Local)
- Misra, V. (2011, April). *Downscaling global models: Implications for South Florida*. Delivered at USGS, Florida Atlantic University, Boca Raton, FL. (State)
- Misra, V. (2010, December). *Potential impact of the Atlantic warm pool on the Caribbean climate*. Delivered at Water Resources Research Institute, University of Virgin Islands, St. Thomas, VI. (Local)
- Misra, V. (2010, November). *Review of climate variations in the southeast US*. Delivered at South East Climate Consortium, Rosenstiel school of Marine and Atmospheric Sciences, University of Miami, Miami. (Regional)
- Misra, V. (2010, June). *Modeling regional climate variability (Climate change and decadal variability)*. Delivered at UF IFAS extension, Center for Ocean-Atmospheric Prediction Studies, Tallahassee, FL. (Local)
- Misra, V. (2010, May). *In pursuit of the summertime predictability over the southeast US*. Delivered at South East Climate Consortium, Raleigh, North Carolina. (Regional)
- Misra, V. (2009, November). *Climate modeling in the 21st century: Integration of multi-disciplinary science*. Delivered at 3rd International conference of Aquatic Resources, Alexandria, Egypt. (International)
- Misra, V. (2009, June). *IASCLIP modeling and prediction*. Delivered at World Climate Research Program/CLIVAR/VAMOS, San Juan, Puerto Rico. (International)
- Misra, V. (2008, September). *Coupled interactions of the monsoons*. Delivered at NOAA-Climate Prediction Program for the Americas, Silver Spring, Maryland. (National)
- Misra, V. (2008, August). *Role of shallow inversion clouds as diagnosed in a coupled modeling framework*. Delivered at National Centers for Environmental Prediction, Camp Spring, MD. (Local)
- Misra, V. (2008, June). *Coupled Interactions of the Monsoons*. Delivered at Center for Ocean-Land-Atmosphere Studies, Calverton, Maryland. (Local)

- Misra, V. (2008, May). *A changing perspective of the Oceans from the Atmosphere*. Delivered at Naval Research Laboratory, Ocean Dynamics and Prediction, Stennis Space Research Center, Stennis, Mississippi. (Local)
- Misra, V. (2008, February). *Coupled Interactions of the Monsoons*. Delivered at Department of Meteorology, Florida State University, Tallahassee, FL. (Local)
- Misra, V. (2008, February). *Coupled Interactions of the Monsoons*. Delivered at Department of Marine, Earth, and Atmospheric Sciences, North Carolina State University, Raleigh, North Carolina. (Local)
- Misra, V. (2007, March). *ENSO-South American Monsoon Variability*. Delivered at Department of Geography, Ohio State University, Columbus, Ohio. (Local)
- Misra, V. (2005, November). *Addressing the issue of Systematic Errors in a regional climate model*. Delivered at Earth System Science Interdisciplinary Center, University of Maryland, College Park, MD. (Local)
- Misra, V. (2005, April). *Addressing the issue of Systematic Errors in a Regional Climate Model*. Delivered at Institute for Terrestrial and Planetary Atmospheres, Marine Sciences Research Center, State University of New York, Long Island, New York. (Local)
- Misra, V. (2005, April). *Addressing the issue of Systematic Errors in a Regional Climate Model*. Delivered at Climate Research Division, Scripps Institute of Oceanography, San Diego, CA. (Local)
- Misra, V. (2005, March). *Predictability of the Intraseasonal Variability of the South American Summer Monsoon*. Delivered at World Climate Research Program/ CLIVAR/VAMOS, Mexico City, Mexico. (Local)
- Misra, V. (2005, February). *Development of COLA AGCM V3 for coupled climate integrations*. Delivered at Center for Ocean-Atmospheric Studies, Indian Institute of Science, Bengaluru, India. (Local)
- Misra, V. (2005, January). *Seasonal Prediction of the South American Monsoon*. Delivered at Indian Institute of Tropical Meteorology, Pune, India. (Local)
- Misra, V. (2004, May). *A paradigm for simulating the monsoons at seasonal to intra-seasonal scales*. Delivered at International Research Institute for Climate and Society, Columbia University, Palisades, New York. (Local)
- Misra, V. (1999, July). *Residue Free atmospheric water budget study over Mackenzie River Basin during the life history of lee cyclones*. Delivered at Center for Ocean-Land-Atmosphere Studies, Calverton, Maryland. (Local)

- Misra, V. (1999, February). *An ensemble strategy for high resolution regional model forecasts*. Delivered at Indian Institute of Technology, New Delhi, India. (Local)
- Misra, V. (1997, March). *A statistically based cumulus parameterization that makes use of heating and moistening profiles derived from observations*. Delivered at Department of Atmospheric and Oceanic Sciences, McGill University, Montreal, Canada. (Local)
- Misra, V. (1994). *Predictions of dry and wet spells of summer monsoons*. Delivered at National Center for Medium Range Weather Forecast, New Delhi, India. (Local)

Contracts and Grants

Contracts and Grants Funded

- Misra, V. (Nov 2013–Oct 2014). *Developing multi-model ensemble projections of ecologically relevant climate variables for Puerto Rico and the US Caribbean*. Funded by Department of Interior. Total award \$134,000.
- Boyles, R., Wootten, A., Smith, K., Semazzi, F., Misra, V., Stefanova, L., Smith, T., & Blodgett, D. (Oct 2012–Sep 2013). *Synthesis of climate model downscaling products for the southeastern United States*. Funded by USGS. Total award \$16,339.
- Misra, V. (Sep 2012–Aug 2013). *The collaborative development of public water supply utility relevant climate information for improved operations and planning*. Funded by NOAA-CSI. Total award \$76,147.
- Misra, V. (Sep 2012–Aug 2016). *Climate Variability of the Tropical Western Atlantic Storms: Is it hinged to Intra-Americas Seas Climate Processes*. Funded by NOAA CPO. Total award \$460,000.
- Misra, V. (Aug 2012–Feb 2012). *Lesser Antilles Specific Assessment of the IPCC AR5 Models for the Current Climate*. Funded by USGS-WRRI. Total award \$18,982.
- Misra, V., LaRow, T., & Stefanova, L. (Sep 2011–Aug 2014). *Incorporating Climate Change Effects into Next Generation Coastal Inundation Decision Support Systems: An Integrated and Community-Based Approach*. Funded by NOAA. Total award \$390,000.
- Misra, V. (May 2011–Apr 2012). *Environmental Minute*. Funded by College of Arts and Sciences, FSU. Total award \$12,000.
- O'Brien, James J (PI), & Misra, V. (Sep 2010–Aug 2015). *Regional Integrated Sciences and Assessments*. Funded by University of Florida. Total award \$601,500.

- O'Brien, James J (PI), & Misra, V. (Jul 2010–Jun 2013). *Decision Support System for Reducing Agricultural Risks*. Funded by National Inst of Food & Agriculture. Total award \$4,668,768.
- Misra, V. (PI). (Jun 2010–Nov 2011). *The Sensitivity of the Climate Variations of the SE US from land cover use and management*. Funded by Oak Ridge Associated Universit. Total award \$5,000.
- Misra, V. (May 2010–Feb 2011). *Influence of the Atlantic warm pool on the Lesser Antilles*. Funded by USGS-WRRI. Total award \$20,000.
- Misra, V. (PI), & Chassignet, E. P. (Feb 2010–Mar 2013). *A Land of Flowers on a Latitude of Deserts: Aiding conservation and management of Florida's biodiversity*. Funded by U. S. Geological Survey. Total award \$499,950.
- Misra, V. (PI). (Sep 2009–Sep 2011). *Impact of Climate on Dinoflagellates and Ciguatera Fish*. Funded by University of Florida. Total award \$85,501.
- Misra, V. (PI). (Aug 2009–Jul 2012). *The Experimental High Resolution Seasonal Climate and Hydrological prediction and predictability studies of the Pan-American and South-American Monsoons from intra-seasonal to seasonal scales*. Funded by National Oceanic and Atmospher. Total award \$271,500.
- Misra, V. (May 2009–Aug 2009). *Multi-parameter estimation for predictability at seasonal to interannual time scales*. Funded by FSU-CRC. Total award \$17,000.

Contracts and Grants Pending

- Misra, V. (Jul 2013). *Understanding the impact of thermodynamic air-sea coupling on seasonal predictability*. Submitted to NSF.
- Misra, V., & Gerber, S. (Jul 2013). *Reconstructing biogeophysical feedbacks in the Amazonian rainforests through reanalysis of the 20th century climate data*. Submitted to NASA/DOE.
- Misra, V. (Jun 2013). *Understanding the variations and validating the Track Integrated Kinetic Energy of the Tropical cyclones*. Submitted to NASA.
- Misra, V. (May 2013). *Regionally Coupled Ocean-Atmosphere Seasonal Hindcasts of the Indian Summer Monsoon at 10km resolution*. Submitted to Ministry of Earth Sciences, India.

Postdoctoral Supervision

Li, H. (Jan 2012–Jan 2014).

Bastola, S. (Jan 2011–Oct 2013).

Stefanova, L. (Jan 2010–Dec 2011).

Chan, S. (Oct 2008–May 2010).

Reviews of My Research and Original Creative Work by Other Authors

Reviews Appearing on a Web Site

Misra, V. (2012). Spotlight Feature Article. *Florida's fragile oasis*. Retrieved from http://www.oar.noaa.gov/spotlite/archive/2012/articles/fragile_oasis/fragile_oasis.html

Misra, V. (2012). Florida's fragile oasis. *Florida's fragile oasis*. Retrieved from <http://www.climatewatch.noaa.gov/article/2012/floridas-fragile-oasis>

Additional Research or Original Creative Work Not Reported Elsewhere

Misra, V. (2010). *The IASCLiP modeling plan*. IASCLiP.

Service

With the creation of the new department of the Earth, Ocean and Atmospheric Sciences in FSU, the department service category is critical and essential with the daunting prospect of developing this department from a fresh beginning. I am quite involved in the various committees of the department, including finding opportunities to advertise the department. I am also involved in various activities of committees at the regional, national and international level of my profession.

Florida State University

FSU Department Service

Member, Computer Committee (EOAS) (2010–present).

Member, Graduate admissions and curriculum committee (for Meteorology program in EOAS) (2010–present).

Member, Computer committee (Dept. of Meteorology) (2009–2010).

FSU Institute or Center Service

Member of the climate scenarios working group, State University System Climate change workshop (2011–present).

Co-chair, Florida Climate Institute, Steering committee (2010–present).

Chair, AR5 task force, Florida Climate Institute (2010–present).

Executive committee member, Florida Public Water Supply Utilities Climate Impact Working Group (2010–present).

The Profession

Guest Editing for Refereed Journals

Misra, V. (Ed.). (2012, January). Multi-disciplinary assessment of the Southeast US climate [Special Issue]. *Regional Environmental Change*.

Guest Reviewer for Refereed Journals

Journal of Atmospheric Sciences (2005–present).

Journal of Hydrometeorology (2005–present).

Mausam (2005–present).

Journal of Applied Meteorology and Climatology (2004–present).

Climate Dynamics (2003–present).

Tellus (2000–present).

International Journal of Climatology (1999–present).

Journal of Climate (1999–present).

Geophysical Research (Atmospheres) (1997–present).

Geophysical Research (Oceans) (1997–present).

Journal of Meteorology and Atmospheric Physics (1997–present).

Monthly Weather Review (1997–present).

Reviewer for Textbooks

Modeling uncertainty in the Earth Sciences (2012–present).

Chair of a Symposium

Misra, V. (Chair). (2006, April). *Program committee of the 8th Southern Hemisphere on Meteorology and Oceanography*. Symposium conducted at the meeting of American Meteorological Society, Foz du Iguazu, Brazil.

Reviewer or Panelist for Grant Applications

NOAA CPO (2011).

NSF (2011).

NOAA CPPA (2006).

Service to Professional Associations

Member, The working group is involved in preliminary discussions to bridge collaborations with University scientists and water utility and supply companies, Florida Water and Climate Alliance (2010–present).

Chair of Working group on modeling development and diagnostics, IASCLiP (2008–present).

Steering Committee member, Intra-Americas Study of CLimate Processes (IASCLiP) (2008–present).

Executive committee member, Southeast Climate Consortium (2008–present).

Member of the modeling and data assimilation group, Monsoon Experiment in South America (MESA) (2007–present).

Co-Lead, Lead and chart the modeling activities sponsored by NOAA in the Nation for seasonal to interannual time scales, NOAA Modeling Task Force (2012–2015).

Meteorological board member, University of California Davis-Lawrence Livermore National Laboratory, Point of Care Technologies (2009–2012).

International invitee, Material budget within coastal Egypt: current observations and future projections (2009).

Invited participant, Predictability of the intraseasonal variability of the South American summer monsoon, 8th VAMOS CLIVAR panel meeting (2007).

Service to Other Universities

Member of Governance Committee Task Group, *University Center for Atmospheric Research* (2012–present).

The Community

Steering Committee Member, Ecology of the Everglades in the Context of Climate Change, USGS, FAU, Florida Sea Grant (2012–present).

Steering committee member, Hydrology of the Everglades in the context of climate change, USGS (2011–present).

Additional Service Not Reported Elsewhere

Misra, V. (2011). *Directed Payal Patel (High school intern)*. Young Scholar Program.

Misra, V. (2011). *Environmental Minute (radio show)*. <http://wfsu.org/environmental>.

Misra, V. (2010). *Directed Danielle Moragas (high school intern)*. Young Scholar Program.

Misra, V. (2010). *Directed Joseph Hernandez (high school intern)*. Young scholar program.

Misra, V. (2006). *George Moomau*. Blair magnet research program (Maryland).

Misra, V. (2005). *Yuning Zhang (high school intern)*. Blair Magnet Research Program (Maryland).

Misra, V. (1999). *Periodically review proposals for NSF and NOAA*.

Misra, V. (1997). *Periodically review journals*. American Meteorological Society, American Geophysical Union, Royal Meteorological Society, Springer, Wiley.

Review of post-doc applications

Misra, V. (2010). *I reviewed over 60 applications for two post-doc positions and interviewed 6 before finalizing on the two candidates.*