

JOHN F. MEJÍA

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Division of Atmospheric Sciences
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Professional Preparation

National University of Colombia	Civil Engineering	BS-1999
National University of Colombia	Water Resour. Management	MSc-2002
University of Oklahoma	Meteorology	PhD-2008
CIMMS/NSSL/NOAA, Norman, OK	Data Analysis/Climate Modeling	Postdoc-2008
Desert Research Institute, Reno, NV	Data analysis/Climate Modeling	Postdoc-2009

Professional Interests

Dr. Mejía's research makes strong emphasis on areas associated with observing, understanding, modeling, and predicting weather and climate at different spatial and temporal scales. He works on developing methods for representing uncertainty in regional models, and tailoring simulated output for impact applications. Dr. Mejía's focus involves the development of a regional climate modeling framework for the Western U.S. using Weather Research Forecasting Model (WRF) and the NCAR's Community Earth System Model to study the impacts of the global and regional aspects of climate change over the complex terrain, and source identification related to systematic errors in climate models. He has extensive experience in development and operation of multi-dimensional and ensemble forecasting models, observational and model data processing, data assimilation, and in the research areas of improvement in atmospheric modeling. Experience operating atmospheric models of different generations to investigate atmospheric dynamics and moist processes; real-time weather forecasting; atmospheric flows over complex terrain; and evaluation methods applied to atmospheric models using aircraft and satellite data.

Dr. Mejía is a professor for the Atmospheric Science Graduate program, University of Nevada, Reno, NV. The courses taught include Climate Modeling, Atmospheric Modeling, Applied Data Analysis, Atmospheric Turbulence, Mesoscale Modeling. Reviewer member of multiple indexed journals and funding programs and he is involved as an advisory Committee member for broadening STEM and underrepresented minorities in the NSF EPSCoR program in Nevada.

Fellowships, Honors, and Awards

- 2014 Peter B. Wagner Medal of Excellence for DRI Scholars in the Early Stages of Career Development: "In recognition of applications of atmospheric models to inform policy development and implementation."
- 2013 Outstanding Reviewer: American Society of Civil Engineers (ASCE) Journal of Water Resources Planning and Management.
- Rising Start Award, Nevada, 22nd National NSF EPSCoR conference, Coeur d'Alene, Idaho, Oct-2011.
- NASA Group Achievement Award. Outstanding accomplishment through the coordination of the NASA African Monsoon Multidisciplinary Analyses (NAMMA), 2008.
- Member of the winner group in the first place: National Award in Environmental Sciences. Foundation Alejandro Angel Escobar. Hydrologic Atlas of Colombia. September 2007.

- Awarded to the 2006-2009 Latino Achievement and Heritage Celebration Graduation/Award, University of Oklahoma. Recipient recognition for academic excellence.
- Member of the winner group in the first place: National Award in Environmental Sciences. Foundation Alejandro Angel Escobar. Water Budget in Colombia. September 2000.
- Fellowship recipient: Excellent students. National University of Colombia, Graduate program in Water Resources Management. Jan/2000-Feb/2002.
- Scholarship recipient: Grant to develop MSc Thesis supported by the Research Bureau of the National University of Colombia (DINAIN).
- Member of the winner group in the second place: Technology and Science award, Water Budget in Colombia. Secretaría de Educación y Cultura de Medellín y el Planetario de Medellín, November, 1999.

Research Appointments

2011-current	Assistant Research Professor, Climate Modeling Group, Desert Research Institute, Department of Atmospheric Science, Reno, NV.
2009-2011	Postdoctoral Fellow, Data analysis and Regional Climate Modeling, Desert Research Institute, Department of Atmospheric Science, Reno, NV.
2008-2009	Postdoctoral Research Associate, Data analysis and Regional Climate Modeling, National Severe Storms Laboratory-Cooperative Institute for Mesoscale Meteorological Studies, Norman, OK.
2002- 2008	Graduate Research Assistant, National Severe Storms Laboratory-Cooperative Institute for Mesoscale Meteorological Studies, Norman, OK.
2000 –2002	Research Associate Engineer, Hydrological Atlas of Colombia and Land-Atmosphere modeling, Unit of Energy-Mining Management/National University of Colombia, Medellin, Colombia
1998 –2002	Research Associate Engineer: ENSO forecasts into reservoir operation and hydroelectric power distribution procedures. Interamerican Institute to the Research of the Climatic Change/National University of Colombia, Medellin, Colombia.
1998-1999	Research Assistant in the project, Water Budget in Colombia, Unit of Energy-Mining Management and Colombian Institute for the Science and Technology Development, Medellin, Colombia.

Publications

- McEvoy, D. J., Huntington, J. L., Mejía, J. F., Hobbins, M., 2016: Improved seasonal drought forecasts using reference evapotranspiration anomalies, *Geophys. Res. Lett.*, 43, 377-385,
- Backes, T. M., Kaplan, M. L., Schumer, R., Mejía, J. F., 2015: A Climatology of the Vertical Structure of Water Vapor Transport to the Sierra Nevada in Cool Season Atmospheric River Precipitation Events, *J. Hydrometeor.*, 16 (3), 1029-1047 ,
- Elias, E., Rango, A., Steele, C., Mejía, J. F., Smith, R., 2015: Assessing climate change impacts on water availability of snowmelt-dominated basins of the Upper Rio Grande Basin, *J. Hydrology: Regional Studies*, 3 (6), 525-546,

- Hatchett, B. J., Koracin, D. R., Mejía, J. F., Boyle, D. P., 2015: Assimilating urban heat island effects into climate projections, *J. Arid Environ.*, 125, 59-64,
- Jaramillo, L., Poveda, G., Mejía, J. F., 2015: Mesoscale Convective Systems and other Precipitation Features over the Tropical Americas and Surrounding Seas as seen by TRMM, *Intl. J. Climatology*, Accepted
- McEvoy, D. J., Huntington, J. L., Mejía, J. F., Hobbins, M. T., 2015: Improved Seasonal Drought Forecasts using Reference Evapotranspiration Anomalies, *Geophysical Research Letters*,
- Mejía, J. F., Douglas, M. W., Lamb, P. J., 2015: Observational Investigation of Relationships between Moisture Surges and Mesoscale-to-Large Scale Convection during the North American Monsoon, *Int. J. Climatol.*, doi:10.1002/joc.4512,
- McEvoy, D. J., Mejía, J. F., Huntington, J. L., 2014: Use of an Observation Network in the Great Basin to Evaluate Gridded Climate Data, *J. Hydrometeorol.*, 15, 1913-1931,
- Dorman, C. E., Mejía, J. F., Koracin, D. R., 2013: Impact of US west coastline inhomogeneity and synoptic forcing on winds, wind stress, and wind stress curl during upwelling season, *J. Geophys. Res.-Oceans*, 118 (9), 4036-4051,
- Mejía, J.F., J. Huntington, B. Hatchett, and D. Koračin, 2012: Linking Global Climate Models to an Integrated Hydrologic Model using a Hybrid Downscaling Approach. *J. Contemporary Water Res. and Edu.*, 147, 17-27.
- Mejía, J.F., D. Koracin and E. Wilcox, 2012: Remote Effect of AOGCM SST Systematic Biases over Western U.S Simulated Climate, *J. of Climate*. In review.
- Mejía, J. F., J. Huntington, B. Hatchett and D. Koracin, 2011: Linking Global Climate Models to a Integrated hydrologic model using a Hybrid Downscaling Approach, Submitted to *J. of Contemporary Water Res. and Edu.*
- Dorman C. E. , J. F. Mejía, and D. Koracin: The Role of Major Capes in Characterizing the June 2001 West Coast US Summer Atmospheric forcing of the coastal Ocean, In preparation to *JGR*.
- Mejía J. F., D. Koracin, E. M. Wilcox, and K. E. Kunkel, 2011: Assessment of AOGCM biases for RCM applications over the Great Basin in the western U.S, In preparation to *GRL*.
- Koracin D., J. F. Mejía, and C. E. Dorman, 2010: Climate signatures of the wind stress and wind stress curl over the U.S. West Coast, In preparation to *J. of Climate*.
- Mejía, J. F., M. W. Douglas: High-resolution numerical simulations of moisture flux structures along the GoC during NAME, In preparation to *JAS*.
- Mejía, J. F., M. W. Douglas: Relationships between Moisture Surges and Mesoscale Convection over the North American Monsoon Core Region Obtained from Multi-year sets of Satellite Imagery and North American Regional Reanalysis data, Submitted to *J of Climate*.
- Mejía, J. F., M. W. Douglas, P. J. Lamb, 2010: Aircraft Observations of the 12–15 July 2004 Moisture Surge Event during the North American Monsoon Experiment. *Mon. Wea. Rev.*, 138, 3498–3513. doi: 10.1175/2010MWR3228.1
- Douglas, M. W., J. F. Mejía, N. Ordinola, and J. Boustead, 2009: Synoptic Variability of Rainfall Along The Northern Peruvian Coast During the 1997-8 El Niño Event, *Mon. Wea. Rev.*, 137, 116–136.
- Mejía, J. F. and M. W. Douglas, 2008: Relationship of TEWs and spatial-temporal variability of MCSs in the North American Monsoon Region, *Clivar Exchanges - NAME*, Number 39 (Vol. 2, No. 1), April 2008.

- Killeen, T.J., M. Douglas, T. Consiglio, P. M. Jørgensen, J. Mejía: 2007: Dry and Wet Spots in the Andean hotspots. *J. of Biogeogr.*, 34, 1357-1373.
- Mejía, J. F. and G. Poveda, 2005: Atmospheric Environments of Mesoscale Convective Systems over Colombia during 1999 using TRMM radar and microwave products and NCEP/NCAR reanalysis. *Rev. Acad. Colomb. Cienc.* 29 (113): 495-514. ISSN 0370-3908. (In Spanish)
- Poveda, G., J. I. Velez, O. J. Mesa, L. A. Cuartas, O. J. Barco, R. I. Mantilla, J. F. Mejía, C. D. Hoyos, J. M. Ramirez, B. A. Botero, M. I. Montoya, L. I. Ceballos, M. D. Zuluaga, J. D. Giraldo, and D. I. Quevedo, 2007: HidroSIG: An Interactive Digital Atlas of Colombia's Hydro-climatology, *Journal of Hydroinformatics*, Vol 9, No 2, 145–156, 2007.
- Poveda, G., J. I. Velez, O. J. Mesa, L. A. Cuartas, O. J. Barco, R. I. Mantilla, J. F. Mejía, C. D. Hoyos, J. M. Ramirez, B. A. Botero, M. I. Montoya, L. I. Ceballos, M. D. Zuluaga, J. D. Giraldo, and D. I. Quevedo, 2007: Linking Long-term Water Balances and Statistical Scaling to Estimate River Flows along the Drainage Network of Colombia. *J. Hydrologic Engrg.*, Volume 12, Issue 1, pp. - 13 (January/February 2007)
- Poveda, G., and J. F. Mejía, Special Scaling Properties of Mesoscale Convective Systems over Colombia and Eastern Pacific based on 1998 data from TRMM mission. *Avances en Recursos Hidráulicos*, No. 11, 131-143, 2004. (In Spanish)
- Celeste Saulo, L. Ferreira, J. Mejía and Marcelo Seluchi, 2004: Description of the Chaco Low characteristics using SALLJEX special observations, *Clivar Exchanges - SALLJEX*, Number 29 (Vol. 9, No. 1), March 2004.
- Poveda, G., C. D. Hoyos, J. Mejía, L. F. Carvajal, O.J. Mesa, A. Cuartas and J. Barco, 2002: Non-linear forecasting of monthly mean streamflow in Nare river, Antioqui-Colombia. *AVANCES*, No. 8. September. (In Spanish)
- Poveda, G., J. I. Vélez, O. Mesa, C. Mesa, C. D. Hoyos, J. Mejía, O. J. Barco and P. L. Correa, Oct 2002: Influence of macro-climate phenomena over the hydrological annual cycle of Colombia: linear and non-linear quantification and probabilistic percentiles. *METEOROLOGÍA COLOMBIANA*, No. 6. (In Spanish)
- Poveda, G., Jaramillo, O. José Mesa Sánchez, L. F. Carvajal, C. D. Hoyos, J. Mejía, Adriana Cuartas, A. Pulgarín, Oct 2002: Forecasting monthly mean streamflows in the Colombian river using non-linear methods. *METEOROLOGÍA COLOMBIANA*, No. 6. (In Spanish)
- Poveda, G., Jorge M. Ramírez, J. Mejía & C. D. Hoyos, Oct 2002: Multi-scaling extreme values, detection of intermittency using wavelets and evidence of deterministic chaos in the wind dynamics over the Central Amazon region. *METEOROLOGÍA COLOMBIANA*, No. 6. (In Spanish)
- Ignacio J., Vélez, G. Poveda Jaramillo, C. D. Hoyos, L. F. Salazar & J. Mejía, Oct 2002: Land-atmosphere coupled model for monthly streamflow over Colombia. *METEOROLOGÍA COLOMBIANA*, No. 6. (In Spanish)
- J. Vélez, Germán Poveda, C. Hoyos, L. Salazar & J. Mejía, Oct 2002: Different methodologies to estimate the Intensity-Duration-Frequency Relationship in Colombia, *METEOROLOGÍA COLOMBIANA*, No. 6. (In Spanish)
- Mejía, J., M. I. Montoya, and M. V. Vélez: Drought indicator: strength and duration using daily mean streamflow and analyses of the traditional duration curve around ENSO phenomenon. *AVANCES* No. 7. November, 2000. (In Spanish)

- Barco, J., Adriana Cuartas, O. Mesa, Germán Poveda, J. I. Vélez, Ricardo Mantilla, J. Mejía, C. Hoyos, Blanca Botero y María I. Montoya, 2000: Estimation of the evapotranspiration field in Colombia (In Spanish). *AVANCES* No. 7. November.
- Mejía, J. F., O. Mesa, G. Poveda, J. Vélez, C. Hoyos, Ricardo Mantilla, Janet Barco, Adriana Cuartas, María Montoya, Blanca Botero, 1999: Spatial Distribution of the Annual and Semiannual Cycles of Precipitation in Colombia (In Spanish) . *DYNA* 127. August.

Book/Book Chapter

- Dorman, C., Mejía, J. F., Koracin, D. R., McEvoy, D. J., 2015: Worldwide Marine Fog Occurrence and Climatology (Book Chapter 3), In *Marine Fog – Challenges and Advancements in Observations and Forecasting*, Springer International: (AGO-2015), Accepted

Technical Report/Manuals

- Mejía, J. F., Fenstermaker, L. F., Etyemezian, V. R., Miller, J. J., Jiang, P., Nikolich, G., Gillies, J. A., Lomeli-Urbe, E. A., 2015: Strategies for climate change adaptation at the Armstrong (formerly Dryden) Flight Research Center and within the Mojave Desert Region,
- Mejía, J. F., Fenstermaker, L. F., Etyemezian, V. R., Miller, J. J., 2014: NASA Award Number NNX12AF57G: Strategies for climate change adaption at the Dryden Flight Research Center and within the Mojave Desert region (Project report Year 3),
- Mejía, J. F., Fenstermaker, L. F., Etyemezian, V. R., Miller, J. J., 2013: Strategies for Climate Change Adaptation at the Dryden Flight Research Center and within the Mojave Desert Region [NASA Award Number NNX12AF57G, Project Report, Year 2],

Conference Articles/Presentations, Proceedings

- McEvoy, D. J., Hobbins, M., Huntington, J. L., Mejía, J. F., Hain, C., Anderson, M., Verdin, J., 2015: Exploring the use of physically based evaporative demand anomalies to improve seasonal drought prediction, Nevada Water Resources Association,
- Dorman, C. E., Mejía, J. F., Koracin, D. R., McDoulett, M. C., 2014: Interaction of the Marine Atmosphere, Coastal Topography and Sea Surface Temperature on Marine Fog Distribution Along the West Coast of North America: Atmosphere, Biosphere, Land, and Ocean Interactions, 2014 AGU Fall Meeting: San Francisco, CA, December 15, 2014
- Dorman, C. E., Mejía, J. F., Koracin, D. R., McEvoy, D. J., 2014: Long Term Increase In Fog Occurrence Over The NW Pacific And NW Atlantic Fog Maximums, Decadal-Multidecadal variability in Pacific and Atlantic basins, Poster, AMS 94th annual Meeting 2014: Atlanta, GA, February 2, 2014
- Douglas, M. W., Rahama, B., Mejía, J. F., 2014: A very high resolution Cloud Climatology of Mexico, Union Geofisica Mexicana (Mexican Geophysical Union): Puerto Vallarta, Mexico, November 3, 2014
- Elias, E., Rango, A., Steele, C., Mejía, J. F., Baca, R., James, D., Schrader, S., 2014: Simulated Impact of Climate Change on Hydrology of Multiple Watersheds Using Traditional and Recommended Snowmelt Runoff Model Methodology, Advancing Hydrologic Predictions in Snow- and Glacier-Fed River Systems, 2014 AGU Fall Meeting: San Francisco, CA, December 15, 2014

- McEvoy, D. J., Hobbins, M., Mejía, J. F., Hain, C., Anderson, M., Verdin, J., 2014: Exploring the use of physically based evaporative demand anomalies to improve seasonal drought prediction, American Geophysical Union 2014 Fall Conference: San Francisco, CA, December 15, 2014-December 19, 2014,
- McEvoy, D. J., Mejía, J. F., 2014: Regional Climate Simulations of Cold Season Precipitation over the Great Basin, Presentation at the AMS 26th Conference on Climate Variability and Change, 94th AMS Annual Meeting: Atlanta, GA, February 2, 2014
- Mejía, J. F., Etyemezian, V. R., Fenstermaker, L. F., Miller, J. J., Nikolich, G., 2014: Climate Change Impacts at NASA ARMSTRONG (Dryden) flight research Center, NASA CASI/ROSES 4th Annual Climate Adaptation Workshop: Palmdale, CA, January 23, 2014,
- Mejía, J. F., Huntington, J. L., Niswonger, R. G., 2014: Uncertainty Transfer in Modeling Layers: From GCM to downscaling to hydrologic surface-groundwater modeling, *In: Ames, D.P., Quinn, N.W.T., Rizzoli, A.E. (Eds.)*, Proceedings of the 7th International Congress on Environmental Modelling and Software: San Diego, CA, June 15, 2014,
- Mitchell, D. L., Mishra, S., Comstock, J., Lohmann, U., Kuebbeler, M., Mejía, J. F., Turner, D., Rasch, P., 2014: Relevance of the negative Twomey effect for cirrus clouds, 94th Annual Meeting of the American Meteorological Society: Atlanta, GA, February 6, 2015
- Backes, T. M., Schumer, R., Mejía, J. F., Kaplan, M. L., Redmond, K. T., 2013: Combined effect of mid-level jets and atmospheric rivers on winter precipitation in the eastern Sierra Nevada, Poster session at the AGU Fall Meeting: San Francisco, December 9, 2013
- Elias, E., Steele, C. M., Rango, A., Mejía, J. F., 2013: Assessing climate change impacts on water availability of snowmelt dominated watersheds of the Upper Rio Grande Advances in Hydrometeorological Predictions and Applications, AGU Fall Meeting: San Francisco, CA, December 9, 2013
- Koracin, D. R., Mejía, J. F., King, K. C., Dorman, C. E., 2013: Upwelling and Coastal Climate, Climate Trends and Projections in the Coastal Environment?Part I, Presented at the 11th Symposium on the Coastal Environment, 93rd American Meteorological Society Annual Meeting: Austin, TX, January 5, 2013
- Mitchell, D. L., Mejía, J. F., Kuebbeler, M., Lohmann, U., Mishra, S., Comstock, J., 2013: Constraining the Negative Twomey Effect for Cirrus Clouds, Poster presentation, Gordon Research Conference: Radiation and Climate: New London, NH, July 6, 2013
- Mitchell, D. L., Mejía, J. F., Kuebbeler, M., Lohmann, U., Xiao, M., 2013: Seeding of Cirrus Clouds to Reduce Global Warming, Applications of Numerical Models to Weather and Climate Modification, 19th Conference on Planned and Inadvertent Weather Modification, 93rd American Meteorological Society Annual Meeting: Austin, TX, January 6, 2013
- Mitchell, D. L., Mejía, J. F., Kuebbeler, M., Xiao, M., Rasch, P., 2013: Cirrus Cloud Climate Engineering, Oral presentation at the AMS Annual Meeting: Austin, TX, January 6, 2013
- Mitchell, D. L., Mejía, J. F., Lohmann, U., Kuebbeler, M., Mishra, S., Comstock, J., Rasch, P., 2013: Microphysical and radiative impacts of the cirrus cloud negative Twomey effect in two GCMs based on SPARTICUS data, Oral presentation, Atmospheric System Research (ASR) 2013 Fall Working Groups, Washington, D.C., November 4, 2013
- Mitchell, D. L., Mishra, S., Comstock, J., Mejía, J. F., Kuebbeler, M., Lohmann, U., 2013: Relevance of the negative Twomey effect for ice clouds, Poster presentation, Gordon Research Conference: Radiation and Climate: New London, NH, July 6, 2013

- Perryman Rayne, N. M., Mejía, J. F., 2013: Atmospheric Rivers in Regional Climate Models for the Western U.S., Poster presentation at the 25th Conference on Climate Variability and Change, 93rd American Meteorological Society Annual Meeting: Austin, TX, January 5, 2013
- Perryman Rayne, N. M., Mejía, J. F., 2013: Development and Application of a Reanalysis-Based Atmospheric River Detection Algorithm, Novel Application of Observations to the Evaluation of Regional Climate Models, AGU Fall Meeting: San Francisco, CA, December 9, 2013
- Rango, A., Caitriana, M., Steele, M., Elias, E., Mejía, J. F., Fernald, A., 2013: Potential impacts of climate warming on runoff from snowmelt: a case study of two mountainous basins in the Upper Rio Grande, Advances in Hydrometeorological Predictions and Applications, AGU Fall Meeting: San Francisco, CA, December 9, 2013
- Sauceda, D. O., Huntington, J. L., Mejía, J. F., 2013: Vulnerability and Resilience of Urban Water Systems under Uncertain Climate Change Scenarios, Poster presentation at the 25th Conference on Climate Variability and Change, 93rd American Meteorological Society Annual Meeting: Austin, TX, January 5, 2013
- Dorman, C. E., Mejía, J. F., Koracin, D. R., 2012: Simulation of Atmospheric Marine Layer off Southern Oregon and Northern California, 92nd American Meteorological Society Annual Meeting, 10th Symposium on the Coastal Environment: New Orleans, LA, January 22, 2012
- Hatchett, B. J., Dorman, C. E., Jiang, J., Kaplan, M. L., Koracin, D. R., Mejía, J. F., McCord, T. E., Vellore, R., 2012: Midtropospheric Response to a Siberian Cold Air Outbreak over the Kuroshio Current in the Pacific Basin, Dynamics and Predictability of Midlatitude Storms in a Changing Climate, Presentation at AGU Fall Meeting: San Francisco, CA, December 3, 2012
- Hatchett, B. J., Koracin, D. R., Mejía, J. F., 2012: Untangling the extreme urban heat island of the arid, complex terrain city of Reno, NV, Presentation at the Third Annual Symposium on Environment and Health, 92nd Annual American Meteorological Society Meeting: New Orleans, LA, January 22, 2012
- Jericevic, A., Koracin, D. R., Mejía, J. F., Chow, J. C., Watson, J. G., Fujita, E. M., Minoura, A., 2012: Integrated approach for analysis of the nonlinear interactions of pollutants in coastal areas due to climate change, Presentation, ITM - NATO/SPS International Technical Meeting on Air Pollution Modelling and its Application: The Netherlands, May 7, 2012
- King, K. C., Mejía, J. F., Koracin, D. R., 2012: : Interannual variability of Surface Temperature and Precipitation using Regional Climate Modeling over Western United States, 4th Annual EPSCoR Western Consortium Tri-State Meeting: Sun Valley, ID, April 2, 2012
- King, K. C., Mejía, J. F., McEvoy, D. J., Koracin, D. R., 2012: Evaluation of Regional Downscaling Predictions of Future Drought Probabilities in the Western United States, AMS 92nd Annual Meeting: New Orleans, LA, January 22, 2012
- Koracin, D. R., Hatchett, B., Dorman, C. E., Cerovecki, I., Jiang, J., Vellore, R., Mejía, J. F., McCord, T. E., 2012: Air-sea Interaction over the Kuroshio Current during a Cold-air Outbreak, Boundary Layer Processes in the Climate System, AGU Fall Meeting: San Francisco, CA, December 3, 2012
- Koracin, D. R., King, K. C., Mejía, J. F., Dorman, C. E., Kunkel, K. E., 2012: Current Issues and Challenges in Climate Predictions of Coastal Upwelling, 92nd American Meteorological Society Annual Meeting, 10th Symposium on the Coastal Environment: New Orleans, LA, January 22, 2012

- Koracin, D. R., Vellore, R., Mejía, J. F., Jiang, J., Dorman, C. E., Cerovecki, I., McClean, J., Hendershott, M. C., 2012: Mesoscale atmospheric and ocean dynamics over Kuroshio Extension region: AGU-OSLO-Ocean, Presentation, Ocean Sciences Meeting: Salt Lake City, UT, February 20, 2012
- Mejía, J. F., Koracin, D. R., 2012: Correcting GCM SST Biases to Improve RCM Simulations Over Coastal Upwelling Dominated Regimes, 92nd American Meteorological Society Annual Meeting, 10th Symposium on the Coastal Environment: New Orleans, LA, January 22, 2012
- Mejía, J. F., Perryman Rayne, N. M., 2012: Climatological Impact of Atmospheric River Based on NARCCAP and DRI-RCM Datasets, Findings From Climate Change Assessments: Posters From the US National Climate Assessment and the North American Regional Climate Change Assessment Program, AGU Fall Meeting: San Francisco, CA, December 3, 2012
- Mitchell, D. L., Mejía, J. F., Xiao, M., Rasch, P. J., Kuebbeler, M., 2012: Cirrus Cloud Climate Engineering, International Conference on Clouds and Precipitation (ICCP): Leipzig, Germany, July 30, 2012-August 3, 2012
- King, K.C., J. F. Mejía, and D. Koracin: Analysis of skill and uncertainty in regional climate models, 19th Conference on Applied Climatology, 18–20 July 2011, Asheville, NC.
- Koracin, D., J. F. Mejía, K. E. Kunkel, and C. E. Dorman, 2011: Coastal climate and upwelling, 19th Conference on Applied Climatology, 18–20 July 2011, Asheville, NC.
- Joros A., and J. F. Mejía, 2011: Impact of Eastern and Central Pacific ENSO events over the Continental United States, 19th Conference on Applied Climatology, 18–20 July 2011, Asheville, NC.
- Hatchett B. J., J. F. Mejía, J. Huntington, and D. Koracin, 2011: Evaluation of three climate downscaling techniques in forcing a coupled hydrological model in a snow-dominated watershed in the Lake Tahoe basin, 91st American Meteorological Society Annual Meeting, Seattle, WA.
- Mejía J., and D. Koracin, E. M. Wilcox, and K. E. Kunkel, 2011: Assessment of AOGCM biases for RCM applications over the Great Basin in the western U.S, 91st American Meteorological Society Annual Meeting, Seattle, WA.
- Koracin J., and J. Mejía, C. E. Dorman, and K. E. Kunkel, 2011: A study of inter-annual variability of U.S. West Coast upwelling zones with ENSO and PDO indices using high-resolution regional climate modeling, , 91st American Meteorological Society Annual Meeting, Seattle, WA.
- Mejía J., and D. Koracin, 2010: Regional Climate Modeling: Transferability and sensitivity tests. Collaborative and Interdisciplinary Climate Change Science, 2nd Annual Tri-State Consortium Meeting, Incline Village, NV, 6-8 April, 2010.
- Mejía J., and D. Koracin, 2010: Regional Climate Modeling: Transferability and sensitivity tests. DRI/DAS Seminar, 20 April, 2010
- Mejía J., 2010: RCM implementation and applications for the Intermountain Southwest. 11th annual WRF user's Workshop, NCAR, Boulder, CO. NSF-EPSCoR CI training grant.
- Koračin, D., J. F. Mejía and C. E. Dorman, 2010: Climate signatures of the wind stress and wind stress curl over the U.S. West Coast, Ninth Conference on Coastal Atmospheric and Oceanic Prediction and Processes, 26 - 30 September 2010, Annapolis, MD
- Dorman C. E., J. F. Mejía and D. Koračin, 2010: The Response of the Offshore Atmospheric Marine Layer to Coastal Topography, 17th Conference on Air Sea Interaction, Ninth Conference on Coastal Atmospheric and Oceanic Prediction and Processes, 26 - 30 September 2010, Annapolis, MD

- Mejía J. F. and M. W. Douglas, 2010: Low-level flow around the Baja California peninsula during NAME, 17th Conference on Air Sea Interaction, Ninth Conference on Coastal Atmospheric and Oceanic Prediction and Processes, 26 - 30 September 2010, Annapolis, MD
- Douglas M.W, J. F. Mejía, and D. Enfield, 2010: Developing an enhanced climate monitoring network for the Inter-American seas region, data impact tests and observing system simulation experiments (OSSEs) II, AMS fall meeting, Atlanta.
- Douglas M.W, and J. F. Mejía: 2010: The recent availability of low-cost radiosonde systems and their implications for adaptive sounding arrays, 15th Symposium on Meteorological Observation and Instrumentation, Network Design, AMS fall meeting, Atlanta.
- Douglas M.W, and J. F. Mejía: 2010: Testing a low-cost radiosonde system for possible use in adaptive sounding networks, 15th Symposium on Meteorological Observation and Instrumentation,, AMS fall meeting, Atlanta.
- Mejía, J. F., M. W. Douglas, 2009: Relationships between Moisture Surges and Mesoscale- to Large-Scale Convection from Multi-year Satellite Imagery and North American Regional Reanalysis Data, Eos Trans. AGU, 90(52), Fall Meet. Suppl., Abstract, A51F-0170.
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