

Journal of Hydrometeorology

The JOURNAL OF HYDROMETEOROLOGY (*JHM*) publishes research on modeling, observing, and forecasting processes related to fluxes and storage of water and energy, including interactions with the boundary layer and lower atmosphere, and processes related to precipitation, radiation, and other meteorological inputs.

Chief Editor

VIVIANA MAGGIONI
George Mason University

Editors

KONSTANTINOS M. ANDREADIS
University of
Massachusetts Amherst

MIMI HUGHES
NOAA/Oceanic and Atmospheric
Research/Physical Sciences
Laboratory

MATTHEW RODELL
NASA Goddard Space
Flight Center

JACKSON TAN
University of Maryland Baltimore
County and NASA Goddard Space
Flight Center

CRAIG R. FERGUSON
University at Albany, State
University of New York

L. RUBY LEUNG
Pacific Northwest
National Laboratory

YU ZHANG
The University of Texas at Arlington

Associate Editors

ALI S. AKANDA
University of Rhode Island

ALI BEHRANGI
The University of Arizona

TIM BELLERBY
University of Hull

SYLVAIN BIANCAMARIA
LEGOS, CNES/CNRS/IRD/
Université Paul Sabatier Toulouse III

MICHAEL BOSILOVICH
NASA Goddard Space Flight Center

NOAH BRAUER
Cooperative Institute for Research in
Environmental Sciences, University of
Colorado Boulder, NOAA/NWS
Weather Prediction Center

XIADONG CHEN
Pacific Northwest National Laboratory

GABRIËLLE DE LANNOY
KU Leuven

STEPHEN J. DÉRY
University of Northern British Columbia

MICHAEL DURAND
The Ohio State University

ARDESHIR EBTEHAJ
University of Minnesota Twin Cities

ANDREW F. FELDMAN
NASA Goddard Space Flight
Center/University of Maryland ESSIC

RENATO FRASSON
NASA Jet Propulsion Laboratory

STEPHEN GOOD
Oregon State University

ETHAN GUTMANN
National Center for Atmospheric Research

GEORGE J. HUFFMAN
NASA Goddard Space Flight Center

JIMING JIN
Yangtze University

PIERRE KIRSTETTER
University of Oklahoma and NOAA/National
Severe Storms Laboratory

MUKESH KUMAR
University of Alabama

SUJAY V. KUMAR
NASA Goddard Space Flight Center

DONGYUE LI
University of California, Los Angeles

LIFENG LUO
Michigan State University

KAIGHIN A. MCCOLL
Harvard University

DANIEL J. MCEVOY
Desert Research Institute, Western Regional
Climate Center

VELJKO PETKOVIĆ
ESSIC/University of Maryland

YOUQUN QI
Institute of Geographic Sciences and Natural
Resources Research, Chinese Academy of
Sciences and University of Chinese
Academy of Sciences

RAFAEL ROSOLEM
University of Bristol

SHRADDHANAND SHUKLA
University of California, Santa Barbara

SUSAN STEELE-DUNNE
Delft University of Technology

QIUHONG TANG
Institute of Geographic Sciences and Natural
Resources Research, Chinese Academy of
Sciences

NATTHACHET TANGDAMRONGSUB
Asian Institute of Technology

ALI TOKAY
University of Maryland, Baltimore County

REMKO UIJLENHOET
Delft University of Technology

GULLING WANG
University of Connecticut

DOMINIK WISSER
Food and Agriculture Organization of the
United Nations (FAO)

HUAN WU
Sun Yat-sen University

BIN YONG
Hohai University

YALEI YOU
University of North Carolina, Wilmington

BENJAMIN ZAITCHIK
The Johns Hopkins University

Editorial Staff

AMS Lead Technical Editor for *JHM*

HOLLIS E. BAGUSKAS

AMS Lead Copy Editor for *JHM*

NICOLE E. RIETMANN

Peer Review Staff

ERIN GUMBEL (Assistant to Dr. Maggioni)

DJ ARRUDA

CRISTINA BARLETTA

HAYLEY CHARNEY

COLLEEN GAFFNEY

ROBBIE MATLOCK

AMS Scientific and Technical Journals Staff

Director of Publications
GWENDOLYN WHITTAKER

Publications Billing and
AMS Office Manager
CAITLIN GARRISON

Senior Production Assistants
DANIELLE M. JOYCE
ABBY WOODWARD

Managing Copy Editor
JESSICA A. LAPOINTE

Associate Director—Publishing
Technology

MICHAEL A. FRIEDMAN

Production Manager
SHEILA F. GAFVERT

Production Assistant
ADRIANNA CROWELL

Managing Technical Editor
MARK E. FERNAU

Senior Copy Editors

KRISTIN GILBERT

RAMESH PILLAY

Peer Review Support Manager
ANDREA HERBST

Production Team Coordinator
LIZ WRIGHT

Senior Technical Editors

HOLLIS E. BAGUSKAS

RICHARD R. BRANDT

NICOLE E. RIETMANN

ANDREA L. SCHEIN

© Copyright 2024 American Meteorological Society (AMS). For permission to reuse any portion of this work, please contact permissions@ametsoc.org. Any use of material in this work that is determined to be "fair use" under Section 107 of the U.S. Copyright Act (17 U.S.C. Code § 107) or that satisfies the conditions specified in Section 108 of the U.S. Copyright Act (17 U.S.C. § 108) does not require AMS's permission. Reproduction, systematic reproduction, posting in electronic form, such as on a website or in a searchable database, or other uses of this material, except as exempted by the above statement, require written permission or a license from AMS. All AMS journals and monograph publications are registered with the Copyright Clearance Center (<https://www.copyright.com>). Additional details are provided in the AMS Copyright Policy statement, available on the AMS website (<https://www.ametsoc.org/PUBSCopyrightPolicy>).

The JOURNAL OF HYDROMETEOROLOGY (ISSN 1525-755X) is published monthly by the American Meteorological Society at 45 Beacon Street, Boston, MA 02108-3693. Subscription rates for this and other AMS titles are available online at <https://www.ametsoc.org/index.cfm/ams/publications/subscription-information>. For information on becoming an AMS member and/or subscribing to the Society's journals, visit the AMS website: <https://www.ametsoc.org>. Subscription orders, claims for missing numbers, changes of address, and other business correspondence should be sent to amsinfo@ametsoc.org (or to the American Meteorological Society, 45 Beacon Street, Boston, MA 02108-3693). Periodical postage paid at Boston, MA, and at additional mailing offices. POSTMASTER: Send address changes to the *Journal of Hydrometeorology*, American Meteorological Society, 45 Beacon Street, Boston, MA 02108-3693.