

## **I. REFEREED JOURNAL ARTICLES**

16. **Chand, S. S.**, L. E. Chambers, M. Waiwai, P. Malsale, and E. Thompson, 2014: Indigenous Knowledge for Environmental Prediction in the Pacific Island Countries. *Weather, Climate and Society*, in press. ([Online](#))
15. Tory, K. J., **S. S. Chand**, J. L. McBride, R. Dare and H. Ye, 2013: Projected changes in late 21st century tropical cyclone frequency in 13 coupled climate models from the Coupled Climate Model Intercomparison Project. *Journal of Climate*, 26, 9946-9959. ([Online](#))
14. **Chand, S. S.**, K. J. Tory, J. L. McBride, M. C. Wheeler, R. Dare and K. J. E. Walsh, 2013: The different impact of positive-neutral and negative-neutral ENSO regimes on Australian tropical cyclones. *Journal of Climate*, 26, 8008-8016. ([Online](#))
13. **Chand, S. S.**, and K. J. E. Walsh, 2013: Tropical Cyclones in the Fiji Region: Impact of ENSO and Seasonal Prediction. *Bulletin of Australian Meteorological and Oceanographic Society*, 26, 87-90.
12. Tory, K. J., **S. S. Chand**, R. A. Dare, and J. L. McBride, 2013: The development and assessment of a model-, grid- and basin-independent tropical cyclone detection scheme. *Journal of Climate*, 26, 5493-5507. ([Online](#))
11. Tory, K. J., **S. S. Chand**, R. A. Dare, and J. L. McBride, 2013: An Assessment of a model-, grid- and basin-independent tropical cyclone detection scheme in selected CMIP3 global climate models. *Journal of Climate*, 26, 5508-5522. ([Online](#))
10. **Chand, S. S.**, J. L. McBride, K. J. Tory, M. C. Wheeler and K. J. E. Walsh, 2013: Impact of different ENSO regimes on southwest Pacific tropical cyclones. *Journal of Climate*, 26, 600-608. ([Online](#))
9. Tory, K. J., R. A. Dare, N. E. Davidson, J. L. McBride and **S. S. Chand**, 2013: The importance of low-deformation vorticity in tropical cyclone formation. *Atmospheric Chemistry and Physics*, 13, 2115-2132. ([Online](#))
8. **Chand, S. S.**, and K. J. E. Walsh, 2012: Modeling seasonal tropical cyclone activity in the Fiji region as a binary classification problem. *Journal of Climate*, 25, 5057-5071. ([Online](#))
7. **Chand, S. S.**, and K. J. E. Walsh, 2011: Influence of ENSO on tropical cyclone intensity in the Fiji region. *Journal of Climate*, 24, 4096-4108. ([Online](#))
6. **Chand, S. S.**, and K. J. E. Walsh, 2011: Forecasting tropical cyclone formation in the Fiji region: A probit regression approach using the Bayesian fitting. *Weather and Forecasting*, 26, 150-165. ([Online](#))
5. **Chand, S. S.**, K. J. E. Walsh, and J. C. L. Chan, 2010: A Bayesian regression approach to seasonal prediction of tropical cyclones affecting the Fiji region. *Journal of Climate*, 23, 3425-3445. ([Online](#))
4. **Chand, S. S.**, and K. J. E. Walsh, 2010: The influence of the Madden-Julian Oscillation on tropical cyclone activity in the Fiji region. *Journal of Climate*, 23, 868-886. ([Online](#))
3. **Chand, S. S.**, and K. J. E. Walsh, 2009: Tropical cyclone activity in the Fiji region: Spatial patterns and relationship to large-scale circulation. *Journal of Climate*, 22, 3877-3893. ([Online](#))

2. **Chand, S.**, T. Aung, and S. Rao, 2007: The 1997-98 El Niño and 1999 La Niña evolution of geostrophic current around the Fiji Islands. *South Pacific Journal of Natural Science*, 26, 10-15. ([Online](#))
1. **Chand, S.**, T. Aung, and S. Rao, 2004. Physical properties of southern Fiji waters. *South Pacific Journal of Natural Science*, 22, 57-61. ([Online](#))

## **II. SCHOLARLY BOOK CHAPTERS**

3. Irving, D., K. Hennessy, J. Katzfey, P. Kovic, D. Abbs, J. Brown, **S. Chand**, A. Lenton, A. S. Gupta, N. Summons and K. Tory, 2011: Climate Projection Methodology, in *Climate Change in the Pacific: Scientific Assessment and New Research. Volume 1: Regional Overview*, Australian Bureau of Meteorology and CSIRO, Chapter 4, 79-96, ISBN 978-1-921826-73-3. ([Online](#))
2. Brown, J., R. Coleman, J. Katzfey, D. Irving, A. S. Gupta, D. Abbs, S. Perkins, C. Arthur, J. Brown, **S. Chand**, M. Chattopadhyay, J. Church, F. Delage, P. Durac, P. Kovic, J. McGregor, A. Moise, L. Muir, B. Murphy, K. Nguyen, S. Platten, S. Power, I. Smith, N. Summons, K. Tory, S. Wijffels and X. Zhang, 2011: Climate Model Reliability, in *Climate Change in the Pacific: Scientific Assessment and New Research. Volume 1: Regional Overview*, Australian Bureau of Meteorology and CSIRO, Chapter 5, 97-143, ISBN 978-1-921826-73-3. ([Online](#))
1. Katzfey, J., P. Kovic, S. Perkins, D. Abbs, C. Arthur, **S. Chand**, M. Chattopadhyay, S. Crimp, D. Irving, J. McBride, J. McGregor, K. Nguyen, N. Summons, M. Thatcher, K. Tory, 2011: Climate Model Reliability, in *Climate Change in the Pacific: Scientific Assessment and New Research. Volume 1: Regional Overview*, Australian Bureau of Meteorology and CSIRO, Chapter 7, 181-212, ISBN 978-1-921826-73-3. ([Online](#))

## **III. REFEREED CONFERENCE PUBLICATIONS**

3. Tory, K. J., **S. S. Chand**, J. L. McBride, H. Ye, and R. Dare, 2014: Projected changes in late 21<sup>st</sup> century tropical cyclone frequency in CMIP5 models. *Extended abstracts, 31<sup>st</sup> Conf. on Hurricanes and Tropical Meteorology*, San Diego, CA, Amer. Meteor. Soc., 7C.4. ([Online](#))
2. K. J. Tory, R. A. Dare, **S. S. Chand**, N. E. Davidson, and J. L. McBride, 2012: The importance of low-deformation vorticity in tropical cyclone formation. *Extended abstracts, 30<sup>th</sup> Conf. on Hurricanes and Tropical Meteorology*, Ponte Vedra Beach, FL, Amer. Meteor. Soc., 1C.4. ([Online](#))
1. **Chand, S. S.**, T. Aung, and K. Maamaatuaiahutapu, 2004: Ocean Circulation around Fiji. *Eos Trans. AGU*, 85(28), West. Pac. Geophys. Meet. Suppl., Abstract OS41C-05. ([Online](#))

## **IV. NON-REFEREED CONFERENCE PUBLICATIONS**

12. **Chand S. S.**, K. J. E. Walsh, J. C. L. Chan and R. Kumar, 2014: On the development of a statistical tropical cyclone prediction scheme for the southwest pacific region. *20th National Conference of the Australian Meteorology & Oceanography Society, Hobart, Australia, 12-14 February 2014*.
11. **Chand S. S.**, Lynda E. Chambers and K. Bennett, 2013: A Conceptual Architecture for Developing Seasonal Forecast Systems for Pacific Island

- Countries using Traditional Ecological Knowledge and Modern Science. *19th National Conference of the Australian Meteorology & Oceanography Society, Melbourne, Australia, 11-13 February 2013.* ([Online](#))
10. **Chand, S. S.**, J. L. McBride, K. J. Tory, M. C. Wheeler and K. J. E. Walsh, 2013: Impact of different ENSO regimes on southwest Pacific tropical cyclones. *19th National Conference of the Australian Meteorology & Oceanography Society, Melbourne, Australia, 11-13 February 2013.* ([Online](#))
  9. **Chand, S. S.**, K. J. Tory, J. L. McBride, M. C. Wheeler, R. Dare and K. J. E. Walsh, 2013: The different impact of positive-neutral and negative-neutral ENSO regimes on Australian tropical cyclones and rainfall. *19th National Conference of the Australian Meteorology & Oceanography Society, Melbourne, Australia, 11-13 February 2013.* ([Online](#))
  8. K. J. Tory, **S. S. Chand**, H. Ye, 2013: Changes in Tropical Cyclone Frequency by the late Twenty-First Century as Simulated by CMIP5 Models. *19th National Conference of the Australian Meteorology & Oceanography Society, Melbourne, Australia, 11-13 February 2013.* ([Online](#))
  7. Tory, K. J., R. A. Dare, N. E. Davidson, J. L. McBride and **S. S. Chand**: The importance of low deformation vorticity in tropical cyclone formation. *30th Conference on Hurricanes and Tropical Meteorology, Ponte Vedra Beach, Florida, 14-20 April 2012.* ([Online](#))
  6. **Chand S. S.**, 2010: On the Development of the 24-72 h Forecast Probability Scheme for Tropical Cyclone Formation in the Fiji Region. *24th Victorian Universities Earth and Environmental Sciences Conference, Melbourne University, Melbourne, Australia, 5 Nov 2010.*
  5. **Chand S. S.**, K. J. E. Walsh, and J. C. L. Chan, 2010: Interannual Variability of Tropical Cyclone Genesis Positions and Tracks over the Fiji Region. *29th Conference on Hurricanes and Tropical Meteorology, Tucson, Arizona, 10-14 May 2010.* ([Online](#))
  4. **Chand S. S.**, K. J. E. Walsh and J. C. L. Chan, 2010: Development of Seasonal Tropical Cyclone Prediction Schemes for the Fiji Region. Part I: Analysis of Predictors. *17th National Conference of the Australian Meteorology & Oceanography Society, Canberra, Australia, 27-29 Jan 2010.*
  3. **Chand S. S.**, K. J. E. Walsh and J. C. L. Chan, 2010: Development of Seasonal Tropical Cyclone Prediction Schemes for the Fiji Region. Part II: Model Formulation using the Bayesian Approach. *17th National Conference of the Australian Meteorology & Oceanography Society, Canberra, Australia, 27-29 Jan 2010.*
  2. **Chand S. S.**, K. J. E. Walsh and J. C. L. Chan, 2009: Analysis of predictors on the development of seasonal tropical cyclone prediction schemes for the Fiji Region. *23rd Victorian Universities Earth and Environmental Sciences Conference, Monash University, Melbourne, Australia, 28 Oct 2009.*
  1. **Chand S. S.**, and K. J. E. Walsh, 2009: Interannual Variability of Tropical Cyclone Genesis Positions and Tracks over the Fiji Region. *9th International Conference on Southern Hemisphere Meteorology and Oceanography, Melbourne, Australia, 9-13 Feb 2009.*

#### **IV. INVITED TALKS AND SEMINARS**

5. **Chand, S. S.**, 2013: Tropical cyclones and climate change. *Invited Presentation at the 19th National Conference of the Australian Meteorology & Oceanography Society, Melbourne, Australia, 11-13 February 2013.* ([Online](#))
4. **Chand S. S.**, 2013: Tropical Cyclones and Climate Change: Current Perspectives. *Presented at the School of Sciences, Information Technology and Engineering Seminar Series, University of Ballarat, Australia, 4 Oct. 2013.*
3. **Chand S. S.**, 2012: Different Impacts of ENSO on Australian and Southwest Pacific Tropical Cyclones. *Presented at the High Impact Weather Team Meeting, Bureau of Meteorology, Melbourne Australia, 7 March 2012.*
2. **Chand S. S.**, and K. J. E. Walsh, 2010: Bayesian Forecasting of Tropical Cyclone Formation in the Fiji Region. *Presented at the 9th Meteorology Group Seminar, School of Earth Sciences, the University of Melbourne, Melbourne, Australia, 9 April 2010.*
1. **Chand S. S.**, and K. J. E. Walsh, 2009: The Influence of Madden-Julian Oscillation on Tropical Cyclones in the Fiji Region. *Presented at the 7th Meteorology Group Seminar, School of Earth Sciences, the University of Melbourne, Melbourne, Australia, 16 April 2009.*

#### **IV. OTHER PUBLICATIONS**

4. **Chand, S. S.**, 2011. *Tropical cyclone characteristics in the Fiji region.* PhD Thesis, Faculty of Science, School of Earth Sciences, The University of Melbourne, Melbourne, Australia, 226pp. ([Online](#))
3. **Chand. S.**, U. Chand, S. Rao, K. Raguwaiya and A. Gautam, 2006: *PHF02 Foundation Physics A: Course Book.* The University of the South Pacific, Fiji Islands.
2. **Chand. S.**, and S. Rao, 2006: *PHF03 Foundation Physics B: Course Book.* The University of the South Pacific, Fiji Islands.
1. **Chand, S. S.**, 2005: *Variability of Ocean Circulation around Fiji.* MSc Thesis, The University of the South Pacific, Fiji Islands, 93pp. ([Online](#))