



# A Literature Review: Effect of Climate Change on Tropical Cyclones

By Kopal Arora

GRIN Verlag GmbH, United States, 2014. Paperback. Book Condition: New. 254 x 178 mm. Language: English Brand New Book. Essay from the year 2011 in the subject Geography / Earth Science - Meteorology, Aeronomy, Climatology, grade: 11.0, University of Exeter, language: English, abstract: Since tropical cyclones(TCs) are one of the major geophysical cause of loss of life and property, it is important to understand if there is any change in the frequency and intensity of TCs due to anthropogenic climate change. IPCC considers 0.25-0.5 C increase in warming over tropical oceans over the past few decades due to increase in greenhouse gas concentration over past 50years. During 6th International Workshop on Tropical Cyclones, a statement was released on the connection between the TCs and anthropogenic climate change. The statement was in response to the increase in number of recent high-impact TC events which includes, 10 land falling Tcs in Japan in 2004, 5 TCs affecting the Cook island in a five week period during 2005, cyclone Gafilo in Madagascar in 2004, cyclone Larry in Australia in 2006, typhoon Saomai in China in 2006, and violently active Atlantic TC season during the period of 2004 to 2005, including the catastrophic socioeconomic...



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