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Nota di contenuto	Editors; CONTENTS; An Equation-Free, Reduced-Order Modeling Approach to Tropical Pacific Simulation Ruiwen Wang, Jiang Zhu, Zhendong Luo and I. M. Navon; 1. Introduction; 2. Reduced-Gravity Model of Upper Tropic Pacific; 2.1. Description of the physical model; 2.2. Numerical scheme; 3. Computational Formulation of EF Method; 3.1. The EF POD model; 4. Numerical Results and Error Analysis; 5. Summary; Acknowledgments; References; 3D Current Characteristics Simulation with ANN Cheng Zi Chew, Philippe Gourbesville and Shi-Yui Liong; 1. Background; 2. Data Acquisition and Currents 2.1. ADCP strategy 2.2. Expected current patterns; 3. Modeling Methodology; 3.1. Data used; 3.2. ANN and modeling procedures; 3.3. Results; 4. Conclusions; Acknowledgments; References; Classification of Ocean Waves from the Data Buoy Measurements Ramakrishnan Balaji, S. A. Sannasiraj and Vallam Sundar; 1. Introduction; 2. Experimental Details; 2.1. Simulation of waves; 2.2. Model details and instrumentation; 3. Results and Discussion; 3.1. Wave groups; 3.2. Breaking waves; 4. Summary; References; Water Properties in the Suva Lagoon, Fiji Awneesh Singh and Than Aung; 1. Introduction 1.1. Climate of Fiji 1.2. Physical Geography and Bathymetry of the Suva

Lagoon; 2. Methodology; 2.1. Wind data; 2.2. River runo. and rainfall data; 2.3. Water properties data; 2.4. Model validation and implementation; 3. Results and Discussion; 3.1. Field data; 3.1.1. Wind regime; 3.1.2. River discharge; 3.1.3. Field salinity; 3.1.4. Field temperature; 3.1.5. Field turbidity; 3.2. Model verification; 3.2.1. Salinity profiles from the model results and field data; 3.2.2. Model salinity distribution in the lagoon; 4. Conclusions; Acknowledgments; References

Eutrophication Modeling Of Seawater Using Artificial Neural Network Technique P. Sundarambal, S. Y. Liong and P. Tklich1. Introduction; 2. Methodology; 2.1. Study area and water quality data; 2.2. Structure of ANN; 2.3. ANN model formulations; 2.3.1. Selection of input variables; 2.3.2. Data partition; 2.3.3. Network parameters; 2.3.4. Training and testing; 3. Results and Discussion; 4. Conclusions; Acknowledgments; References

Influence of the Makassar Strait Through flow and Winds Over the Southeastern Indian Ocean on the Southwestern Indian Ocean SST Variability Lei Zhou and Raghu Murtugudde1. Introduction; 2. Model Description; 3. The Influence of the Southern Makassar Strait; 3.1. Simulated seasonal variability in the southern Makassar Strait; 3.2. The influence of the southern Makassar Strait on the Indian Ocean; 4. The Influence of the Interannual Winds Over the SEIO on the Southern Indian Ocean; 5. Summary; Acknowledgments; References

Issues of River-Sea Interactions in Northern China Xuegong Xu, Zhenglei Xie and Xiaofeng Duan

Sommario/riassunto

Advances in Geosciences is the result of a concerted effort to bring together the latest results and planning activities related to earth and space science in Asia and the international arena. The volume editors are all leading scientists in their research fields covering six sections: Atmospheric Science (AS), Hydrological Science (HS), Ocean Science (OS), Solid Earth (SE), Solar Terrestrial (ST) and Planetary Science (PS). The main purpose is to highlight the scientific issues essential to the study of earthquakes, tsunamis, atmospheric dust storms, climate change, drought, flood, typhoons,
