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Md. Idris Ali
Assistant Professor
Research Area Atmospheric Physics

Biography

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Education

M. Phil
Khulna University of Engineering & Technology,Bangladesh(January-2019-2022)
Thesis Title: **Sensitivity of Physical Parameterization Scheme in WRF-ARW Model for the Simulation of Cyclones over the Bay of Bengal**
M.S
University of Dhaka,Bangladesh(2015-2016)
Thesis Title: **Prediction of Cyclone Induced Storm Surge over the Bay of Bengal using NWP Models.**
B.S
University of Dhaka,Bangladesh(2011-2015)
HSC
Syed Bazlul Haque Degree College,Bangladesh(2011)Group: Science,Student Type:Regular,
SSC
Baisari High School,Bangladesh(2009)Group: Science,Student Type:Regular,

Service Records

- **Lecturer**
  Department/Section: EEE
  Green University of Bangladesh *From 01-01-1970 to 01-01-1970*

Research Interest

Atmospheric Physics
Tropical Cyclone, Storm Surge, Rainfall and Thunderstorm, WRF model, microphysics, cloud physics, planetary boundary

Publication

Books

Journals

7. (2021) , " Sensitivity Analysis of PBL Physics Schemes of WRF-ARW Model in Simulating the Tropical Cyclone â€˜Titliâ€™ (2018) Over the Bay of Bengal," ***Journal of Scientific Research***, University of Rajshahi, vol13, no.3, pp.851-867

6. Saifullah*,S. and Imran,M. I. A. a. A. (2020) , " The Impact of Cumulus Parameterization Schemes on the Simulation of Tropical Cyclone â€œRoanuâ€ over the Bay of Bengal Using WRF Model," ***Dhaka University Journal of Science***, Dhaka University, vol68, no.1, pp.55-68

5. Ali1,M. I. , Saifullah1ï€ª,S. , Imran2,A. , Syed2,I. M. and Mallik3,M. A. K. (2020) , " Studying the Intensity and Storm Surge Phenomena of Tropical Cyclone Roanu (2016) over the Bay of Bengal Using NWP Model ," ***Journal of Scientific Research***, Bangladesh Academy of Science, vol12, no.1, pp.55-68

4. Islam,M. J. , Imran,A. , Syed,I. M. , Hassan,S. Q. and Ali,M. I. (2019) , " The Sensitivity of Microphysical Parameterization Schemes on the Prediction of Tropical Cyclone Mora Over the Bay of Bengal using WRF-ARW Model," ***The Dhaka University Journal of Science***, vol67, no.1, pp.33-40

1. Ali1*,M. I. , Imran2,A. , Syed2,I. M. and Mallik3,M. J. I. a. M. A. K. (2018) , " A COMPARATIVE STUDY OF STORM SURGE PHENOMENON ASSOCIATED WITH THE TROPICAL CYCLONE AILA OVER THE BAY OF BENGAL USING NWP MODELS ," ***Journal of Engineering Science***, vol9, no.2, pp.33-44

Conference

11. (09-11 March 2023) , "Sensitivity of PBL Parameterization and Cumulus Physics Schemes in WRF-ARW Model on Intensity of Tropical Cyclones â€˜Amphanâ€™ and â€˜Bulbulâ€™ over the Bay of Bengal," ***National Conference on Physics-2023*** , Bangladesh Physical Scoiety, pp.102

10. (11-12 November, 2022) , "Sensitivity of Physical Parameterization Schemes in WRF-ARW Model on Track of Tropical Cyclones â€˜Amphanâ€™ and â€˜Bulbulâ€™ over the Bay of Bengal," ***1st International Conference on Frontier of Science-2022*** , faculty of Science, Bangladesh University of Engineering & Technology (BUET)

8. (19-21 May 2022) , "Sensitivity Study of PBL Schemes on the Simulation of Tropical Cyclone Titli over the Bay of Bengal using WRF Model," ***International Conference on Physics-2022*** , Bangladesh Physical Society, pp.112-113

6. (07 December, 2019) , "Sensitivity Analysis of PBL Physics Schemes of WRF-ARW Model in Simulating the Tropical Cyclone â€˜Titliâ€™ (2018) Over the Bay of Bengal," ***International Conference on Contemporary Research and Applications of Meteorology (ICCRAM)***

5. Islam*,M. J. , Sayed,I. M. , Hassan,S. Q. and Ali,A. I. a. M. I. (08-10 March 2018) , "The Study of Microphysical Parameterization Schemes on the Prediction of Tropical Cyclone Mora over the Bay of Bengal using WRF-ARW Model.," ***International Conference on Physics*** , Bangladesh Physical Society

4. Ali*,M. I. , Sayed,I. M. , Mallik,M. and Islam,A. I. a. J. (08-10 March 2018) , "Prediction of Cyclone Induced Storm Surge Over the Bay of Bengal Using Numerical Weather Prediction Model.," ***International Conference on Physics*** , Bangladesh Physical Society

3. Islam*,M. J. , Sayed,I. M. , Hassan,S. Q. and Ali,A. I. a. M. I. (11-12 May, 2018) , "The Sensitivity of Microphysical Parameterization Schemes on the Prediction of Tropical Cyclone Mora Over the Bay of Bengal using WRF-ARW Model," ***Conference on Weather Forecasting & Advances in Physics*** , Department of Physics, KUET

1. Ali*,M. I. , Sayed,I. , Mallik,M. , Hossain,M. A. and Islam,A. I. a. M. J. (11-12 May, 2018) , "A Comparative Study of Storm Surge Phenomena Associated with the Tropical Cyclone Roanu (2016) over the Bay of Bengal using NWP Models.," ***Conference on Weather Forecasting & Advances in Physics*** , Department of Physics, KUET