*Suggested topics*: Remote Sensing Applications

*Sub-topic*: Agriculture & Crops

*Paper Title*: **Rice Production Forecasting from MODIS NDVI data in Sylhet Region of
Bangladesh**

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***Abstract****:*

Rice production forecasting using satellite data before harvesting is very important issue in the decision-making process of a country. In this study, MODIS NDVI data have been used to model and forecast production in the Sylhet Region of
Bangladesh. This study was carried out for 2 major rice seasons which are known as BORO and AMAN seasons. Model is based on simple linear regression analysis with historical production data and past NDVI data for last 9 years in Sylhet Region. R square value of 0.5 and 0.7 were achieved with simple linear regression analysis for BORO and AMAN seasons respectively.

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