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## Title Page

**Adaptation strategies to floods: A gender-based analysis of the farming-dependent *char* community in the Padma floodplain, Bangladesh**Farha Naz<sup>1\*</sup>, Philippe Doney<sup>2</sup>, Shahab E Saqib<sup>3</sup>

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**Abstract**

This paper examines the determinants affecting adaptation strategies adopted by men and women in *char* farming households in Zanjira, Bangladesh, to deal with floods. The term *char* land refers to a mid-channel island that periodically appears in the riverbed owing to accretion. The study used primary and secondary data. Primary data were collected from a household survey from 115 men and 128 women, interviews with key informants, focus group discussions and in-depth interviews with farmers. For a gender analysis, the study used two separate step-wise regression models. Results showed that significant variables determining adaptation strategies included agricultural land access, availability of agricultural labor, experience in farming, literacy, age, and training. Both regressions showed a good fit of the model. The higher adjusted R<sup>2</sup> values for the female model revealed that the determinants included are more critical for flood adaptation strategies than those in the male model. Regression results revealed that agricultural

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