



Climate change and adaptive capacity of rice farmers in the Mekong Delta, Vietnam

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Climate change is a global issue that impacts upon both the environment and human beings. The effect of climate change has been on various regions across the world. Agriculture is one of most important sectors of the global economy. Agricultural production, especially rice production is however very sensitive to changes in climatic conditions. Projections on future climate conditions imply a possibility of future issue in food security due to the reduction of productivity of several important crops across various locations. Even though Mekong Delta in Vietnam has been known as one of the highest rice producers in the world, it is also considered as one of the world most vulnerable countries to the climate change (Weiss, 2009). Mekong Delta is one of top five most vulnerable areas to climate change in Southeast Asia (Yusuf and Francisco, 2010; Ipc 2014). The farmers, especially rice farmers of this region have experienced the problems of irregular and severe weather events, floods, drought and salinity intrusion (CGIAR, 2016). Nevertheless, the farmers have overcome the climate-related issues to increase the rice production of the region.



Biography: Mr. Lam Nguyen is a PhD candidature in the School of Management, RMIT University, Australia. His earned his MSc. International Economic Development in Czech University of Life Sciences, Prague, Czech Republic. Mr. Nguyen was researching and teaching on farming, agricultural and climate change in Mekong Delta in Department of Agricultural Economics – College of Economics, Can Tho University before conducting his PhD in this topic with RMIT university.

1. A residual-driven local iterative corrector scheme for the multiscale finite element method
2. The diffuse Nitsche method: Dirichlet constraints on phase-field boundaries
3. A collocated isogeometric finite element method based on Gauss-Lobatto Lagrange extraction of splines
4. Geometrically accurate, efficient, and flexible quadrature techniques for the tetrahedral finite cell method
5. A multiscale predictor/corrector scheme for efficient elastoplastic voxel finite element analysis, with application to CT-based bone strength prediction

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