



## **Human Resource in Agricultural enterprises in Industry 4.0 A Case of Thai Nguyen Province, Vietnam**

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### **Abstract**

Human resource is one of the important resources in enterprises in general and agricultural enterprises in particular, especially in the background of Industry 4.0. However, Thai Nguyen's human resource in agribusiness has critical shortage in both quantity and quality. This article analysed human resource in agricultural enterprises, labor productivity in this area and the impacts of the Industrial revolution 4.0 on human resource in agribusiness. Secondary data was collected in Thai Nguyen statistics office in the period from 2013 to 2017 and this study used descriptive and inferential statistics approach. The research has shown that Industry 4.0 has brought both opportunities and challenges, as well as positive and negative effects on human resources in Thai Nguyen's agricultural enterprises. Young workforce has opportunity accessing to new technology and enhancing labor productivity, but the quality of labors and low-skilled human resources are the challenges of Thai Nguyen's human resources. From the empirical finding, the author recommended some core solutions to provincial leaders, agricultural enterprises and human resources to enhance the quality of human resources in Thai Nguyen's agribusiness in the Industrial revolution 4.0.

**Keywords:** human resources, agricultural enterprise, Industry 4.0, Thai Nguyen province, Vietnam