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**Effects of cognitive ability of environmental hormones of elementary teachers on in-service learning enhancement****Fu Chi Chuang, Yu-Liang Chang and Wen-Der Wang**  
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With the development of industry and technology, we enjoy the convenience of civilized products. However, we develop the civilization also brings the environmental crisis, pollutions. An environmental hormone (also called endocrine disruptor) which is a category of chemical compounds that resemble endocrine hormones and it is one of the most notable pollution categories. These compounds are able to activate the same endocrine receptors as their natural counterparts and can thus disrupt hormonal activity, which impairs our health and our ecosystem homeostasis. In order to remind people realize the potential problem and how to protect our environment from the pollutions when we are developing new products for our convenience. We believe that environmental education is the way to bring our mission into reality. Questionnaire survey was performed to analyze the cognition ability of environmental hormones of elementary teachers and further study the relationship between it and the motivational enhancement of in-service learning on the knowledge of environmental hormones. Complete questionnaires were collected from 128 elementary teachers and the result indicates most elementary teachers lack sufficient knowledge of environmental hormone (the passing point was set up at 70 point). Our result also reveals the in-service learning motivation of elementary teacher is positively enhanced once they realized their insufficient cognitive ability of environmental hormones. We hope our study provides the powerful reference for Ministry of Education to set up the policy of environmental education to enrich all citizens sufficient knowledge of the effects of environmental hormone on organisms and further to enhance our correct environmental behaviors.

**Biography**

Fu Chi Chuang is a graduate student of Institute of Educational Administration and Policy at National Chiayi University. Her study focuses on the elementary school teachers' in-service training policy. She also pays close attention to the environmental hormones that risk human health.

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