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EDUCATION: Ph.D. (Science and Technology Education), Mahidol University (2009)
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RESEARCH INTERESTS AND EXPERTISE:

Developing instructional materials and approaches for interdisciplinary teaching

PUBLICATIONS:

A. Research and Original Articles at International Level:

1. **Jittivadhna K**, Ruenwongsa P, Panijpan B. Beyond Textbook Illustrations: Hand-Held Models of Ordered DNA and Protein Structures as 3D Supplements to Enhance Student Learning of Helical Biopolymers. *Biochem Mol Biol Educ.* 2010; 38(6): 359-364.

2. **Jittivadhna K**, Ruenwongsa P, Panijpan B. Hand-Held Model of a Sarcomere to Illustrate the Sliding Filament Mechanism in Muscle Contraction. *Adv Physiol Educ.* 2009; 33: 297-301.
3. **Jittivadhna K**, Ruenwongsa P, Panijpan B. Making Ordered DNA and Protein Structures from Computer-Printed Transparency Film Cut-outs. *Biochem Mol Biol Educ.* 2009; 37(4): 220-226.
4. Kiatpathomchai W, Taweetungtragoon A, **Jittivadhna K**, Wongteerasupaya C, Boonsaeng V, Flegel TW. Target for Standard Thai PCR Assay Identical in 12 White Spot Syndrome Virus (WSSV) Types that Differ in DNA Multiple Repeat Length. *J Virol Methods.* 2005; 130: 79-82.

B. Other Academic Articles:

1. **Jittivadhna K**, Flegel TW, Ruenwongsa P, Panijpan B. Biochemistry in Decapod Crustaceans. *Bioscience Explained* [Internet]. 2010 Mar; Article nr 5:2: [11 p.]. Available at <http://www.bioscienceexplained.org>

AWARD:

2009 Graduate Thesis Publication Award from Faculty of Graduate Studies, Mahidol University (Science/Applied Science)