

CURRICULUM VITAE

Personal Information

Name: Assist. Prof Dr. Pattamaporn Pimthong
 Birth Date: 11 April 1978
 Place of Work: Division of Science Education, Department of Education, Faculty of Education, Kasetsart University
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Education

Bachelor's degree 1999 B.Ed. (Chemistry) Faculty of Education, Kasetsart University, Thailand
 International Research Internship 2003 – 2004 the Centre for Science and Technology Education Research (CSTER), University of Waikato, New Zealand
 Doctoral degree 2006 Doctor of Philosophy (Science Education) Faculty of Education, Kasetsart University, Thailand

Scholarship

- 2001 – 2006 Ph.D. (Science Education) from the Project for the Production of Science and Mathematics Talented Teachers (PSMT) which is conducted jointly by the Royal Thai Government Agencies and the Institute for the Promotion of Teaching Science and Technology (IPST), Thailand
- 2005 The scholarships for research funding from the Graduate School, Kasetsart University, Thailand
- 2007 The grant from The Thailand Research Fund (TRF) Bangkok, Thailand

Research Areas

Project based learning
 Conceptual change
 STEM education
 Science Teaching and Learning

Publications

- Sritipsak P., P., Pimthong and A., Songsasen. (2017). The Way to Develop 10th Grade Students' 21st Century Skills and Concept of Solutions by Project-based Learning Using Information and Communication Technology. *Journal of Research Unit on Science, Technology and Environment for Learning*.8(1), 123-140. [in Thai]
- Pimthong P., S., Chamrat, and S., Soparat. (2017). The Constructionist Paradigm Shift of Teachers in 21th Century Learning. *Kasetsart Journal of Social Science*. 38(1). [in Thai]
- Nakasenee J., P., Pimthong, and P. Pornsilapatip. (2015). The Study of Grade 11th Students' Acid–Base Conceptions. *Kasetsart Journal of Social Science*. 6(1), 70-83. [in Thai]
- Pimthong P. (2015). A Study of the Effect of Affective and Social Factors on Teaching for Conceptual Change in Primary Science. *Science Education International*. 26(3), 376-391.
- Pimthong, P., Silanoi, L., Tungkasamit, A., and Netthanomsak, T. (2015). Teachers' Development to Build up Students' Expected Characteristics under the Philosophy of Sufficiency Economy, *Kasetsart Educational Review*. 30(2), 112-123. [in Thai]
- Angkana Tungkasamita, A., L. Silanoi, T. Nethanomsakc, and P. Pimthong. (2014). Evaluation of School Activities for Developing the Desired Characteristics based on Sufficiency Economy Philosophy: A Project Report. *Social and Behavioural Science*. 116, 541-546.
- Pimthong, P., Yutakom, N., Roadrangka, V., Sanguanruang, S., Cowie, B. & Cooper, B.(2012). Teaching and learning about matter in Grade 6 classrooms: a conceptual change approach. *International Journal of Science and Mathematics Education*, 10(1), 121-137.

Proceedings and Presentations

- Pimthong P. (2017). The development of an activity for promoting pre-service teacher Technological Pedagogical Content Knowledge (TPCK). *Presentation in 48th Annual Australasian Science Education Research Association (ASERA) Conference*, Sydney, Australia.
- Pimthong P. (2017). Enhancing a preservice science teacher Technological Pedagogical Content Knowledge. *Presentation in the 5th Proceeding in International Conference of Science Educators and Teachers (ISET 2017)*., Phuket, Thailand.
- Pimthong P. and K. Sanguansin. (2016). Teaching and Learning about Chemical Substances in Everyday Life in Grade 4 Classrooms: A Conceptual Change Approach. *Presentation in the 4th Proceeding in International Conference of Science Educators and Teachers (ISET 2017)*., Khon Kaen, Thailand.
- Pimthong P. and K. Sanguansin. (2016). A Study of Teaching for Conceptual Change in Primary Science. *Proceeding in Conference of East-Asian Association for*

Science Education (EASE), Tokyo, Japan.

Pimthong P. (2015). Enhancing Science Student Teachers' Science Curriculum Understanding through Project-Based Learning. *Proceeding in International Conference on Education and Psychology (ICEAP), Nagoya, Japan.*

Pimthong P., S., Chamrat, and S., Soparat. (2014). A Study of Thai secondary teachers implementing project-based learning in science class. *Proceedings of the 2nd Proceeding in International Conference of Science Educators and Teachers (ISET 2014)*, Phuket, Thailand.

Pimthong P.(2010). The Effects of Multiple Factors on Teaching for Conceptual Change in Thai Primary Science. *Proceeding in 41st Annual Australasian Science Education Research Association (ASERA) Conference, New South Wales, Australia.*

Teaching Experiences

2006-2012 Division of Science Education, Faculty of Education, Khonkaen University, Khonkaen, Thailand

2012- present Division of Science Education, Department of Education, Faculty of Education, Kasetsart University, Bangkok, Thailand.

Undergraduate courses

Chemistry Concepts in School Science
Science Learning Organization for Basic Education Level I-III
Science Learning Organization for Basic Education Level IV
Orientation to Education
School Science Concepts
Science for All
School Science Projects
Thinking and Learning Science Processes
Science Education Literatures
Chemistry Concepts in School Science
Research for Development of Thinking and Learning in Science
Science Process Skills
Science Learning Management at The Elementary Level

Master degree courses

Conceptual Chemistry and Mental Representations
Curriculum and Instruction in Chemistry
Development of Scientific Inquiry Ability and Understanding
Educational Research
Innovations in science learning management
Instructional Development
Issues and Trends in Science Education
Research and Development in Science Learning

Research in Science Education
Science Curriculum Development
Seminar on Science Learning Management Research
Teaching and Learning Management In Science

Doctoral degree courses

Innovations in Science Learning Management
Constructivist Practices in Science Education
Seminar in Advanced Science Education
Curriculum Design and Pedagogy in Science Education

Others

1. Invited speaker at Conference for Thailand Education Future (CTEF) in 2014-2015, Thailand.
2. Committee at the digital story telling contest in the project of project based learning using ICT in 2015-2016 support by the information technology project under the initiatives of Her Royal Highness Princess Maha Chakri Sirindhorn, the National Science and Technology Development Agency (NSTDA), Thailand
3. Workshop of project based learning using ICT for teachers in Primary Educational Service Area 1)6-8 May 2015(, Nakhon Sawan, Thailand
4. Workshop of project based learning using ICT for preservice science teachers at Nakhon Si Thammarat Rajabhat University (28-29 July 2015) support by the information technology project under the initiatives of Her Royal Highness Princess Maha Chakri Sirindhorn ,Nakhon Si Thammarat, Thailand
5. Workshop of project based learning using ICT for preservice science teachers at Phranakorn Rajabhat University (14-16 October 2015) support by the information technology project under the initiatives of Her Royal Highness Princess Maha Chakri Sirindhorn ,Bangkok, Thailand
6. Workshop of project based learning using ICT for university instructors at Phetchaburi Rajabhat University (19-20 November 2015) support by the information technology project under the initiatives of Her Royal Highness Princess Maha Chakri Sirindhorn , Phetchaburi, Thailand
7. Workshop of project based learning using ICT for teachers at Phetchabun Rajabhat University (13-14 February 2016) support by the information technology project under the initiatives of Her Royal Highness Princess Maha Chakri Sirindhorn ,Phetchabun, Thailand
8. Workshop of STEM education for higher education (13 January 2016) at Phetchaburi

Rajabhat University, Phetchaburi, Thailand

9. Workshop of STEM education for university instructors in Faculty of Industrial Technology (29 February 2016) at Phetchaburi Rajabhat University, Phetchaburi, Thailand
10. Workshop of STEM education for early childhood (19 March 2016) at Phetchaburi Rajabhat University, Phetchaburi, Thailand
11. Workshop of STEM Education for science teachers at Faculty of Education (25-26 June 2016), Kasetsart University, Bangkok, Thailand