

Curriculum Vitae



Assistant Professor Dr. Khajornsak Buaraphan

Date of Birth: August 5, 1975

Citizenship: Thai

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Academic Position: Lecturer
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Work Experiences:

Year	Position	Office
2008 -	Lecturer	Institute for Innovative Learning, Mahidol University, Nakorn Phatom, Thailand
2006 - 2008	Lecturer	Faculty of Education, Kasetsart University, Bangkok, Thailand
2000 - 2001	Administration Staff	Division of Quality Assurance, Mae Fah Luang University, Chiang Rai, Thailand
1997 – 2000	Science Teacher	Doi Ngam Wittayakom School, Chiang Rai, Thailand

Educational Background:

Year	Degree	Institute
2001 - 2006	Ph.D. (Science Education)	Kasetsart University, Bangkok, Thailand (Scholarship from the Institute for the Promotion of Teaching Science and Technology, Thailand)
1993 -1997	B.Ed. (1 st Honor) (Physics)	Rajabhat Institute Chiang Rai, Thailand (Scholarship from the Ministry of Education, Thailand)

Ph.D. thesis entitled “**The Development and Exploration of Preservice Physics Teachers’ Pedagogical Content Knowledge: From a Methods Course to Teaching Practice**” (2007 Thesis Award, the Office of the National Research Council of Thailand)

Teaching Experiences:Undergraduate

- Measurement and Evaluation in Science (Instructor)
- Methods of Teaching Science and Technology at the Secondary Level (Co-instructor)
- Science Process Skills (Co-instructor)

Graduate Diploma Program in Teaching Science Profession

- Skill in Teaching Science (Instructor)

Master Degree

- Assessment in Teaching Science (Instructor)
- Research Studies in Science Education (Co-instructor)

Doctoral Degree

- General Science Education (Course coordinator and Co-instructor)
- Analysis of Research in Teaching Science (Co-instructor)

Research Experience:

- 2003 - 2004 Developed research intervention and practiced research in science education at the Centre for Science and Technology Education Research (CSTER), University of Waikato, New Zealand
- 2010-2014 Editorial Review Board of the Journal of Science Teacher Education (JSTE)

Research Interest:

- Pedagogical Content Knowledge (PCK)
- Nature of Science (NOS)
- Science teacher professional development
- Teaching and learning science and physics

Publications:

Journals (22 papers) for example:

- Buaraphan, K. (2011). Embedding nature of science in teaching about astronomy and space. *Journal of Science Education and Technology*. DOI 10.1007/s10956-011-9329-9.
- Buaraphan, K. (2011). Metaphorical roots of beliefs about teaching and learning science and their modifications in the standard-based science teacher preparation programme. *International Journal of Science Education*, 33(11), 1571–1595.
- Buaraphan, K. (2011). The impact of the standard-based science teacher preparation program on pre-service science teachers' attitudes toward science teaching. *Journal of Turkish Science Education*, 8(1), 61-78.
- Buaraphan, K. (2011). Pre-service physics teachers' conceptions of nature of science. *US-China Education Review*, 8(2), 137-148
- Buaraphan, K. (2010). Pre-service and in-service science teachers' conceptions of the nature of science. *Science Educator*, 19(2), 35-47.
- Buaraphan, K. (2009). Thai Inservice science teachers' conceptions of the nature of science. *Journal of Science and Mathematics Education in Southeast Asia*, 32(2), 188-217.

Articles (4 articles):

1. Buaraphan, K. (2009). Providing feedback for improving learners. *Kasetsart Educational Review*, 24(1), 97-108.
2. Buaraphan, K. (2007). Alternative conceptions about force and motion. *Kasetsart Educational Review*, 22(3), 49-63.
3. Buaraphan, K. (2007). Formative assessment: Concepts and methods. *Kasetsart Educational Review*, 22(1), 29-39.
4. Buaraphan, K. & Roadrangka, V. (2005). Guideline for science teacher development: Developing pedagogical content knowledge. *Kasetsart Educational Review*, 20(2), 31-48.

Book (1 title):

1. Buaraphan, K. (2012). *Easy qualitative research*. (3rd ed.). Bangkok: Comma Design and Print.

Academic Service Experience:

- Guest lecturer on qualitative research, pedagogical content knowledge (PCK), science teaching techniques
- 2010 - 2014 Editorial Review Board of Journal of Science Teacher Education (JSTE)
- Reviewer for international journals such as Teaching Education, Asia-Pacific Forum on Science Learning and Teaching