

Dr Pratchayapong Yasri

Lecturer in Science and Technology Education

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Academic backgrounds

- PhD in Education (2009-2014)
School of Education, University of Glasgow, UK
- Postgraduate certificate in theological exposition (2013-2014)
Cornhill Scotland, University of Middlesex, UK
- MSc in Science Education and Communication (2008-2009)
School of Education, University of Glasgow, UK
- MSc in Molecular Genetics and Genetic Engineering (2006-2008)
Institute of Molecular Biosciences, Mahidol University, Thailand
- BSc in Biology with 2nd class honour (2002-2006)
Faculty of Science, Chulalongkorn University, Thailand

Research interests

Psychology of learning; Cognitive psychology; Biology education; STEM education

Scholarships

1. Chevron Enjoy Science: Research and Implementation (2015-2019)
2. Strategic Frontier Research Scholarship by the Royal Thai Government (2008-2013)
3. Postgraduate Excellence Scholarship by the University of Glasgow (2008-2009)
4. The Development of Future Thai Scientists by the Faculty of Science, Chulalongkorn University (2002-2006)

Current positions

1. Lecturer in Science and Technology Education at Mahidol University (2014-Present)
2. Learning Coach at Learn Cooperation (2015-Present)
3. STEM Lead for Chevron Enjoy Science (Nakhon Pathom schools) (2015-2020)

Supervision experiences (main advisor selected)

Completed PhD supervision (average of 35 months to completion)

	Name	Student ID	Completion period
1	DR. NANTAKARN MANEEJAK	5838332 ILSE/D	36 months
2	DR. NIDAWAN CHANGTONG	5838387 ILSE/D	53 months
3	DR. ARINCHAYA THREEKUNPRAPA	6138196 ILSE/D	16 months

Completed MSc supervision (average of 26 months to completion)

	Name	Student ID	Completion period
1	MISS YANISA PRUCKSASUWAN	5737490 ILSE/M	48 months
2	MR. THANAPOL PITTAYAPIBOOLPONG	5836037 ILSE/M	24 months
3	MR. PATARAPOL PISANPANUMAS	5837328 ILSE/M	30 months
4	MR. NAWASIRI SIRIRONNARONG	5938579 ILSE/M	20 months
5	MISS NANTIDA BUTSARAKAM	5938580 ILSE/M	20 months
6	MISS ARIYA SURIYABUTR	5938581 ILSE/M	20 months
7	MISS KANJANAPORN SEANGDEANG	6036514 ILSE/M	23 months
8	MISS THANYALUCK INGKAVARA	6036515 ILSE/M	23 months

Current supervision

	Name	Student ID	Degree level
1	MR. SANTHANAT PUNYASETTRO	6136833 ILSE/D	PhD
2	MISS KARNRAWEE MEEKAEW	6137691 ILSE/M	MSc
3	MR. THEETHAWAT PRAPUTPITTAYA	6238436 ILSE/D	PhD

International Publications

Accepted to publish

1. Threekunprapa, A. & **Yasri, P.** (In press). The Role of Augmented Reality Based Unplugged Computer Programming Approach in the Effectiveness of Computational Thinking. *International Journal of Mobile Learning and Organisation*. (SCOPUS)
2. Maneejak, N. & **Yasri, P.** (In press). The uSAP Model: A ubiquitous observation protocol for improving teamwork skills, time management and accuracy in high fidelity simulation among nursing students. *International Journal of Mobile Learning and Organisation*. (SCOPUS)

Published articles

3. Praputpittaya, T., & **Yasri, P.** (2020) The COPE Model for Promoting Cooperative Learning in Classrooms. *International Journal of Innovation, Creativity and Change*. 12(6), 349-361. (SCOPUS)
4. Threekunprapa, A. & **Yasri, P.** (2020). Unplugged coding using flowblocks for promoting computational thinking and programming among secondary school students. *International Journal of Instruction*. 13(3). (SCOPUS)
5. Changtong, N., Maneejak, N., & **Yasri, P.** (2020). Approaches for implementing STEM (Science, Technology, Engineering & Mathematics) activities among middle school students in Thailand. *International Journal of Educational Methodology*, 6(1), 185 - 198. (ERIC)
6. Praputpittaya, T., Chalermsean, A., & **Yasri, P.** (2020). A categorisation of positions on the relationship between biological evolution and biblical creation: A review for educational implications. *International Journal of Scientific & Technology Research*, 9(1), 2568-2571. (SCOPUS)
7. Maneejak, N. & **Yasri, P.** (2019). NSMU: A reflection model for nursing students practicing with High Fidelity Simulation. *International Journal of Innovation, Creativity and Change*, 5(2): 54-66. (SCOPUS)
8. Ingkavara T. and **Yasri P.** (2019). Teaching mathematics among students with learning disability: Non-technological and technological approaches. In: Cheung S., Jiao J., Lee LK., Zhang X., Li K., Zhan Z. (eds) *Technology in Education: Pedagogical Innovations. ICTE 2019. Communications in Computer and Information Science*, vol 1048. Springer, Singapore. (SCOPUS)
9. Seangdeang K. and **Yasri P.** (2019). Enhance lower secondary students' scientific literacy and conceptual understanding of tonicity through blended learning. In: Cheung S., Jiao J., Lee LK.,

Zhang X., Li K., Zhan Z. (eds) Technology in Education: Pedagogical Innovations. ICTE 2019. *Communications in Computer and Information Science*, vol 1048. Springer, Singapore. (SCOPUS)

10. Piyawattanaviroj, P., Maleesut, T., & **Yasri, P.** (2019). An Educational Card Game for Enhancing Students' Learning of the Periodic Table. In Proceedings of the 2019 3rd International Conference on Education and Multimedia Technology (pp. 380-383). (SCOPUS).
11. Maleesut, T., Piyawattanaviroj, P., & **Yasri, P.** (2019). Gen X STEM Teachers' Perceived Usefulness and Challenges of a Blended-Learning System. In Proceedings of the 2019 3rd International Conference on Education and Multimedia Technology (pp. 104-106). (SCOPUS).
12. Butsarakam N. & **Yasri, P.** (2019). The effectiveness of the female reproductive (FeREP) board game on 10th grade students' conceptual understanding and attitudes towards the learning of the menstrual cycle. *Scholar: Human Sciences*, 11(2), 239-248. (TCI Tier 1)
13. Pittayapinoolpong, T. & **Yasri, P.** (2018). Development of an integrative learning unit to enhance students' conceptual understanding of dissolution and their reasoning sophistication. *Journal of Research in Science Mathematics and Technology Education*, 1(3), 283 - 310.
14. Maneejak, N., & **Yasri, P.** (2018). Nursing students' perception toward high fidelity simulation. *PSAKU International Journal of Interdisciplinary Research*, 7(2), 91-103. (Ingenta Connect)
15. Pisanpanumas, P. & **Yasri, P.** (2018). Hands-on activities to promote students' understanding of convection related to the occurrence of natural disasters. *PSAKU International Journal of Interdisciplinary Research*, 7(2), 104-111. (Ingenta Connect)
16. **Yasri, P.** & Maleesut, T. (2018). Two sides of the same coin: Student justification for or against evolutionary theory. *Indonesian Journal of Biology Education*, 4(1), 75-84. (ERIC)
17. Maneejak, N. & **Yasri, P.** (2016) Effective design of high fidelity simulation for nursing students. *Journal of Nursing Science*, 34(4): 7-13. (TCI tier 1)
18. **Yasri, P.** & Mancy, R. (2016). Student positions on the relationship between evolution and creation: what kinds of changes occur and for what reasons? *Journal of Research in Science Teaching*, 53(3): 384–399. (SCOPUS and ISI)
19. **Yasri, P.** (2014). A review of research instruments assessing levels of student acceptance of evolution. *Asia-Pacific Forum on Science Learning and Teaching*. 15(2): Article 8. (SCOPUS)
20. **Yasri, P.** (2014). A systematic classification of student misconceptions in biological evolution. *International Journal of Biology Education*. 3(2): 31-41.

21. **Yasri, P.** & Mancy, R. (2014). Understanding student approaches to learning evolution in the context of their perceptions of the relationship between science and religion. *International Journal of Science Education*, 36(1): 24-45. (SCOPUS and ISI)
22. **Yasri, P.**, Arthur, S., Smith, M. U. & Mancy, R. (2013). Relating science and religion: An ontology of taxonomies and development of a research tool for identifying individual views. *Science & Education*, 22: 2679–2707. (SCOPUS and ISI)
23. Ho, T., **Yasri, P.**, Panyim, S. & Udomkit, A. (2011). Double-stranded RNA confers both preventive and therapeutic effects against *Penaeus stylirostris* densovirus (PstDENV) in *Litopenaeus vannamei*. *Virus Research*, 155(1):131-136. (SCOPUS and ISI)

Taught courses

Course coordinator

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| 1. ILSE 616 Research in Science and Technology Education | 3(3-0-6) |
| 2. ILSE 660 Psychology and Philosophy for Education | 2(2-0-4) |
| 3. ILSE 607 Basic Knowledge for Educational Research | 2(2-0-4) |

Co-lecturer

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| 1. ILSE 600 Instructional Science | 3(3-0-6) |
| 2. ILSE 659 Innovations in Science and Technology to Improve Learning | 3(1-4-4) |
| 3. ILSE 613 Innovations in Science and Technology Education | 3(1-4-4) |