

# Resume



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(Previous Name) Patcharee Rompayom
- 2. Academic position** Associate Professor
- 3. Current position:** Lecturer at the Science Education Division  
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## 6. Educational background

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| 2004 | Bachelor of Science (Chemistry) (the Second honor)<br>Srinakharinwirot University, Bangkok, Thailand   |
| 2005 | Certificate of Teaching Profession<br>Srinakharinwirot University, Bangkok, Thailand   |
| 2009 | Certificate to verify that participated in the one year program of “The Program to Promote Research Methods in Science Education”<br>University of Wisconsin-Madison, Wisconsin, USA |
| 2010 | Doctor of Education (Science Education)<br>Srinakharinwirot University, Bangkok, Thailand  |

## 7. Publication

- Wichaidit, P.R.**, Wichaidit, S. & Boonsin, P. (2025). Growth Mindset and Personal Achievement Goal Orientation of the High School Students of the High Ability Student. *Journal of Turkish Science Education*.  
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- Wichaidit, P.R.** (2025). Understanding Growth Mindset and Chemistry Mindsets of High-Achieving Students and the Impact of Influential Language on Learning Motivation. *Chemistry Education Research and Practice*.  
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- Wichaidit, S. & **Wichaidit, P.R.** (2024). Beyond Play: The Interplay of Analogy and Enjoyment in Game-Based Learning. *Journal of Pedagogical Research*, 8(2), pp. 276-295. <https://doi.org/10.33902/JPR.202425578> [Scopus Q2]

## 7. Publication (Cont.)

- Pattarat, W. & **Wichaidit, P.R.** (2024). An Inquiry Instruction to Incorporate Augmented Reality for Promoting Biology Concepts of Upper Secondary Students. Proceeding of Paper Presented at the 11<sup>th</sup> International Conference for Science Educators and Teachers (page 459-474). 13-14 June 2024, Udon Thani, Thailand.
- Chatchawatwimol, T., **Wichaidit, P.R.** & Charunrochana, P.T. (2024). Applications of Sound Wave Analysis in Identifying Frog's Species. Proceedings of Paper Presented at the International Research Session & SDGs Workshop (page 42-43). 28 July 2024. Asia & ASEAN Center for Educational Research, Faculty of Education, Chiba University, Chiba. Japan.
- Ramli, M., Novalya, A. D., Indriyanti, N. Y., Wichaidit, S., & **Wichaidit, P. R.** (2024). STEM@ Home Learning Project on Vibration, Wave, and Sound to Empower Student's Science Literacy: An Alternative for Distance Learning. *Jurnal Inovasi Pendidikan IPA*, 10(1). Universitas Negeri Yogyakarta, Indonesia. [[Scopus Q3](#)]
- Ramli, M., Novalya, A. D., Indriyanti, N. Y., Wichaidit, S., & **Wichaidit, P. R.** (2024). The Validity and Practical Test of STEM@ Home Learning Design to Empower Student's Science Literacy. *Jurnal Inovasi Pendidikan IPA*, 10(1), 86-97. [[Scopus Q3](#)]
- Wichaidit, P. R.**, Wichaidit, S., Wicharee, R., & Siritharamethikul, N. (2023). Attitudes toward Chemistry and Satisfaction toward Online Small-Scale Chemistry: A Case of Thai Learners during a Pandemic. *Journal of Science and Mathematics Education in Southeast Asia*, 46, pp. 52-72. [[ERIC](#)]
- Saowsupa, S., **Wichaidit, P.R.**, Chantraukrit, P., Promratana, P.L. & Thanetweeraphat, A. (2023). Self-Efficacy toward Competency-based Education: A Case of Primary School Teachers. *Journal of Science and Mathematics Education in Southeast Asia*, 46(2), pp. 20-51. [[ERIC](#)]
- Wichaidit, P.R.** & Wichaidit, S. (2021). Using STEM Workshop to Elicit Chemistry Teachers' Value of Hands-on Activity and Visualization, *Science Essence Journal*, 37(1), pp. 36-55. [[Scopus](#)]
- Wichaidit, P.R.** & Tongchai, A. (2020). The Analysis of SMT Teachers' Self-efficacy towards Enhancing Student Thinking and Problem-solving Skills: Preliminary Study. *Journal of Science and Mathematics Education in Southeast Asia*, 43(2), pp.142-160. [[ERIC](#)]
- Tongchai, A., **Wichaidit, P.R.** & Koocharoenpibal, N. (2019). A Professional Development Program to Enhance Thinking and Problem Skills for Thai Science, Mathematics and Technology (SMT) Teachers. *Journal of Science and Mathematics Education in Southeast Asia*, 42(2), pp.1-25. [[ERIC](#)]
- Wichaidit, S., **Wichaidit, P.R.** & Chalardkid, P. (2019). Working Together to Promote Science Learning in the Context of Sustainable Agriculture: A Collaborative Action Research. Proceedings of Paper Presented at the International Conference "New Perspectives in Science Education," 3<sup>rd</sup> Edition of the Future of Education. Florence, Italy on 27 - 28 June 2019. [[Scopus](#)]

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- Wichaidit, P.R.**, Wichaidit, S., Tadee, S. & Nungjak-auan, P. (2017). Putting Policy in Practice: A Professional Development Program for STEM Education for Teachers at Small Primary Schools in Rural Areas. *Journal of Science and Mathematics Education in Southeast Asia*, 40(1), pp. 17-47. [ERIC]
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- Wichaidit, P.R.** & Chapman, D.J. (2016). Following 'Recipes' for Chemistry Teaching: Be careful! *Learning Journal of Rangsit University*, 10(2), pp. 97-111. [TCII]
- Wichaidit, P.R.** (2016). Results of Using the Static Physical Ball-and-stick Model to Help Biology Major Undergraduate Students Understand Concepts of Organic Chemistry. *Proceedings of the paper presented at the 4th International Conference for Science Educators and Teacher (ISET 2016)*, 3-5 June, 2016, Pullman Khon Khen, Khon Khen, Thailand.
- Thien, M, L., Wichaidit, S. & **Wichaidit, P.R.** (2015). Developing Teachers' Orientations toward Teaching Science Scale: A Thai Study. *Journal of Science and Mathematics Education in Southeast Asia*, 38(2), pp. 140-157. [ERIC]
- Wichaidit, P.R.** (2014). How Does the Chemistry Learning Unit Using Multiple Levels of Representations Effect Thai Grade 7th Concrete Students in term of Understanding Household Chemistry Concepts. *Proceedings of the paper presented at the 2nd International Conference of Science Educators and Teachers (ISET 2014)*, 1618 July, 2014, Metropole Phuket, Phuket, Thailand.
- Rompayom, P.** (2014). Incorporated Elicitation Strategy: An Instructional Process to Improve Students' Understanding of Scientific Conceptions. *The International Journal of Science, Mathematics and Technology Learning*, 20(1), pp. 29-40. [Scopus]
- Rompayom, P.**, Tambunchong, C., Wongyounoi, S., & Dechsri, P. (2011). Using Open-ended Questions to Diagnose Student Understanding of Inter- and Intramolecular Forces. *Journal of US-China Education Review B*, 1(1), pp. 12-23. [ERIC]
- Rompayom, P.**, Tambunchong, C., Wongyounoi, S., & Dechsri, P. (2010). The Use of Planned Formative Assessment to Improve Students' Understanding on Scientific Conception. Paper presented at The 6<sup>th</sup> International Conference on Science, Mathematics and Technology Education, 19-22 January, Hualien, Taiwan

**Rompayom, P.,** Tambunchong, C., Wongyounoi, S., & Dechsri, P. (2010). Using Open-ended Questions to Diagnose Student Understanding of Inter- and Intramolecular Forces. Paper presented at the 2010 Annual International Conference, 21-24 March, Philadelphia, Pennsylvania, USA

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