

Curriculum Vitae – Dr Lye Che Yee

Current Position

Senior Lecturer, Teaching & Learning Centre, Singapore University of Social Sciences

Education Qualifications

- 2016 PhD (Education), University of Adelaide
2012 Master of Science (Curriculum and Instruction), Universiti Putra Malaysia
2007 Bachelor of Education (TESL), Universiti Putra Malaysia

Academic and Professional Experience

- 2018 Research Specialist, Singapore Examinations and Assessment Board
2017 Lecturer in Research (AAI Programme), University of Adelaide
2007 Senior Curriculum Developer (English Language), United Chinese School Committees' Association of Malaysia

Memberships and Professional Activities

- 2024-present Board Member (Singapore Delegate) of the Pacific Rim Objective Measurement Society (PROMS)
2018-2020 Editor, Research and Evaluation in Education (REID) Journal

Research Interests

Measurement & assessments; curriculum & evaluation; adaptive testing & learning; generative AI; advanced quantitative methods

Selected Publications

- Lye, C. Y., & Lim, L. (2024).** Interpreting Rasch ability and difficulty estimates to inform Mathematics learning through adaptive learning system. In Q. Zhang (Ed.). *Proceedings of the Pacific Objective Measurement Symposium (PROMS 2023)*, 23, 502-509. Atlantis Highlights in Social Sciences, Education and Humanities. https://doi.org/10.2991/978-94-6463-494-5_33
- Lye, C.Y., & Lim, L. (2024).** Generative artificial intelligence in tertiary education: Assessment redesign principles and considerations. *Education Sciences*, 14(6):569. <https://doi.org/10.3390/educsci14060569>
- Yim, L., **Lye, C. Y.**, & Koh, P. W. (2024). A psychometric evaluation of an item bank for an English reading comprehension tool using Rasch analysis. *REID (Research and Evaluation in Education)*, 10(1), 18-34. [10.21831/reid.v10i1.65284](https://doi.org/10.21831/reid.v10i1.65284)

- Lye, C. Y.** (2023). Examining the construct validity of the Approaches and Study Skills Inventory for Students using the Rasch model. *Vietnam Journal of Educational Sciences*, 19(2): 19-29.
<http://vjes.edu.vn/examining-construct-validity-approaches-and-study-skills-inventory-students-using-rasch-model>
- Blackman, I., **Lye, C. Y.**, Darmawan, I.G.N., Henderson, J., Giles, T., Willis, E., Toffoli, L., Xiao, L., & Verall, C. (2018). Modelling missed care: Implications for evidence-based practice: Modelling Australian missed care. *Worldviews on Evidence-based Nursing*, 15(3): 178-188.
<https://doi.org/10.1111/wvn.12285>

Research Grants

- 2023 Singapore Ministry of Education Start-up Research Fund (S\$201,926; Co-PI)
- 2023 Singapore Ministry of Education Start-up Research Fund (S\$91,265.66; Co-PI)