

VIET-HAI NGUYEN

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PUBLICATIONS

Peer-Reviewed Articles

- Nguyen, T. N. T., Nguyen, V. H., Cheng, P. H., Chang, C. Y. (2026). **Ready for technology integration: Inquiry-oriented online teaching and testing for TPACK professional development of pre-service science teachers.** (*revised, in submission*).
- Nguyen, V. H., Cheng, P. H., Chien, Y. H., Chang, C. Y. (2023). **The scientist's ways in national science curricula: A comparative study between Taiwan and Vietnam.** *Eurasia Journal of Mathematics, Science and Technology Education*, 19(11), em2355. <https://doi.org/10.29333/ejmste/13753>
- Ha, T.H., Trinh, Q.V, Nguyen, V.H. (2023). **A multi-case study of liberal arts education models in the United States' higher education in the 21st century.** *Journal of Taiwan Education Studies*, 4(5), 255-283. [link](#)
- Molina, J., Nguyen, V.-H., Cheng, P.-H., Chang, C.-Y. (2021). **SDG's quality education approach: Comparative analysis of natural sciences curriculum guidelines between Taiwan and Colombia.** *Sustainability*, 13(6), 3352. <https://doi.org/10.3390/su13063352>.
- Nguyen, V. H. (2026). **Construct a low-cost Schlieren imaging system for transparent fluid observation in physics education.** (*in production*).

Conference Presentations

- Nguyen, V.H., (2026). **The Fact-checker's Mindset: Teaching Vietnamese students when not to trust the web and why it's difficult.** *9th IEEE Eurasian Conference on Educational Innovation 2026 (ECEI 2026)*.
- Anonymous Authors, Nguyen, V.H., Le, H. M. N (2026). **From traditional practices to generative artificial intelligence: A case study of the process of designing inquiry-based lesson plans.** *9th IEEE Eurasian Conference on Educational Innovation 2026 (ECEI 2026)*.
- Nguyen, V.H., (2024). **Critical thinking education in contemporary Vietnam educational context.** Conference Paper: *Digital convergence in economics, society and technology (DCEST 2024)*.
- Nguyen, T.N.T., Nguyen, V.-H., Cheng, P.-H., Chang, C.-Y. (2022). *Engaging pre-service science teachers in inquiry-oriented online teaching and testing: A pioneer training to enhance TPACK.* *5th Eurasian Conference on Educational Innovation 2022*.

Book Chapters

Nguyen, V.H., (2024) **New Vocabularies** in Giap, V-D (Ed.) *What to Expect from Universities*. Dan Tri Publisher.

Graduation Thesis

- **Master's Thesis:** Scientific and engineering practices in Taiwan's and Vietnam's national science curricula. *2021*
- **Bachelor's Thesis:** Design imaging system to observe the motion of transparent fluid molecules. *2016*

EDUCATION

National Taiwan Normal University, Taiwan
Master of Science in Science Education

2019–2021
GPA: 4.26/4.30

Ho Chi Minh City University of Education
Bachelor of Science in Physics Teacher Education

2016 – 2019
GPA: 3.24/4.00

WORK HISTORY

Founder @Memo Lab, HCMC, VN

2026 – present

Knowledge Management Lab and Consultancy: research and provide solutions for individuals and organizations on managing information flow, processing knowledge and making decisions.

Deputy Head & Full Lecturer

2022 – present

Department of Liberal Arts Education, University of Management and Technology, HCMC, VN

Courses taught: Critical Thinking and Argumentations, Science in Everyday Life, AI Technology and Its Societal Impacts, Cognitive Models for Problem Solving

Science Coordinator

June – Dec 2022

LYDINC Institute of Education & Engineering–Technology, Danang, VN. Successfully coordinated a VN – UK Partnership in STEM Education.

Research Associate - Science Education Center, National Taiwan Normal University

2021 – 2022

STEM Curriculum Consultant & Teacher Service - *Teach For Vietnam*

Oct–Dec 2021

Head of Science - *Rensei Education Center, Vietnam*

2016–2019

SCIENCE COMMUNICATION EXPERIENCES

Science Writer @The Too Blue Scientist Blog

2020 - present

230 published articles on the website. 6000 followers on all platforms. Works published on major news outlet in Vietnam.

Country Jury/Lead of Science and Art Program

2022 – present

@Science Film Festival & Science Fair - Goethe Institut (Germany & Vietnam)

Host & Producer @Before The Apples Fall Science Podcast

2023 – 2024 [link](#)

Magazine Features & Most-read Articles

- The digital transformation journey of E-Estonia. December 2025. Tuoi tre Cuoi tuan. [link](#)
- LLMs and Critical Thinking: A Tug of War. March 2025. [link](#)
- As he couldn't say Hello, he hung up – Things you haven't known about stuttering. May 2023. [link](#)

TECHNICAL EXPERIENCES

Data analysis software

Competent in SPSS, SAS, NVivo, Qualcoder, R

Research skills

Experimental & quasi-experimental research design, Design-based research, In-depth interview, Psychometric instrument development and validation, and Reliability testing

Technology-enhanced L&R Design

Workshop/lesson/program/curriculum design and facilitation, Technology-infused science instruction research based on Knowledge Integration and Knowledge Building, WISE, CloudClassRoom, TPACK, Design-based research

Knowledge & Information management

Information architecture and knowledge flow design, Science communication & knowledge translation

FELLOWSHIPS - AWARDS - HONORS

FELLOWSHIPS - GRANTS

- **Oxford Climate Journalism Network** - Reuters Institute – Oxford University, UK 2025
- **Science Journalist Grant at Global Development Conference** - GDN, France 2025
- **Berlin Science Week Journalism Research Grant** - Falling Walls Foundation, Germany 2023
- **Digital Fellowship** - Science Journalism Forum, UAE 2022
- **Grant Awardee** - Taiwan Environmental Protection Administration 2021
- **Scholarship Awardee** - Vietnam Summer School of Science 2018
- **Science Exchange Fellowship** - Japan Science and Technology Agency & Mie University 2016

ACADEMIC AWARDS & HONORS

- **Best Conference Paper Award** - 5th IEEE Eurasian Conference on Educational Innovation, Taiwan 2022
- **Full Scholarship for International Students** - National Taiwan Normal University 2019 – 2021
- **Outstanding Fellowship** - College of Science, National Taiwan Normal University 2020

REFEREES

Prof. Chun-Yen Chang

Principal Investigator @NTNU (TW)

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Prof. Hsin-Kai Wu

Supervisor @NTNU (TW)

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Dr. Mailan Thai

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✉Mailan.Thai@goethe.de