

Name	LE Thuy Thanh Giang		
Position	Lecturer, Department of Solid State Physics		
Academic Career		<i>Institution</i>	<i>Year</i>
	Doctoral degree	Grenoble Alpes University, France	2014
	Master degree	University of Science, VNUHCM	2008
	Undergraduate/bachelor degree	University of Science, VNUHCM	2003
Employment	<i>Position</i>	<i>Employer</i>	<i>Period</i>
	Researcher	Laboratory of Advanced Materials	2003-2015
	Lecturer	Faculty of Physics - Engineering Physics	2015-Present
Research and development projects over the past 5 years	<i>Name of project or research focus</i>	<i>Body funding</i>	<i>Role/ Period</i>
	Fabrication of luminescent nanoparticles based on rare earth doped oxide and fluoride materials towards applications in the field of optics	Nafosted	Member 2019-2022
	Fabrication and study the localized states of rare-earth ions doping in oxide semiconductors using spectroscopy techniques	C2021-18-05	Principal investigator 2021-2023
	Research on photoelectrochemical water splitting activity of Au/Co ₃ O ₄ material impregnated on carbon fabric	B2022-18-03	Member 2022-2024
	Improving the photocatalytic performance of metal oxide nanoparticles by combining	562-2024-18-03	Principal investigator 2024-2026

	with reduced graphene oxide and upconversion luminescent materials		
Industry collaborations over the past 5 years	<i>Project titles</i>	<i>Partners</i>	
	None	None	
Patents and proprietary rights	<i>Title</i>	<i>Year</i>	
	None	None	
Important publications over the last 5 years	<i>Selected recent publications from a total of approx.:</i> 1. Nguyen Thi Phuong Thanh, Nguyen Thanh Danh, Tran Quang Nguyen, Huynh Van Giang, Trần Kim Chi, Le Thuy Thanh Giang , Tran Quang Trung, Investigating for photocatalytic activity of hybrid TiO ₂ /reduced graphene oxide and application in reducing VOCs, Bulletin of Chemical Reaction Engineering & Catalysis, 19, 2024. 2. Vu Duy Tan, Nguyen Ba Tong, Nguyen Thi Van Quynh, Cao Thi My Dung, Trinh Dung Chinh, Le Van Thanh Son, Ta Thi Kieu Hanh, Phan Bach Thang, Le Thuy Thanh Giang , Tran T.T. Van, Highly efficient latent fingerprint detection from NaYF ₄ : Eu down-shifting microparticles. Ceram. Int., 2023. 3. T.T. Giang Le , Kim Chi Tran, T.M. Dung Cao, T.P. Thanh Nguyen, T.T. Van Tran, Studying the structural and optical properties of Er ³⁺ doped TiO2 powders synthesized by the sol-gel process. Adv. Nat. Sci. Nanosci. Nanotechnol. 14, 2023. 4. T. S. T. Khanh, T. Q. Trung, L. T. T. Giang , T. Q. Nguyen, N. D. Lam, and N. N. Dinh, “Ammonia Gas Sensing Characteristic of P3HT-rGO-MWCNT Composite Films,” Appl. Sci., vol. 11, no. 15, p. 6675, 2021. 5. Cao T.M.Dung, Le T.T.Giang , Turrell S., Ferrari M., Lam Q.V., Tran T.T.Van, “Luminescent Ink Based on Upconversion of NaYF4:Er,Yb@MA Nanoparticles: Environmental Friendly Synthesis and Structural and Spectroscopic Assessment”, Molecules, 26, 2021. 6. Le TT Giang , Nguyen TT Kieu, Cao M Tri, Cao T.M. Dung, Le V Hieu, Lam Q Vinh, Dang M Chien, Trinh D Chinh, and Tran TT Van, “Effect of the Eu ³⁺ -Sn ⁴⁺ substitution on the structural and optical properties of SnO ₂ : Eu ³⁺ ”, Journal of Luminescence, 228, 2020.		
Activities in specialist bodies over the last 5 years	<i>Organization</i>	<i>Role</i>	<i>Period</i>
	None	None	None
Website	https://phys.hcmus.edu.vn/		