

Name	NGUYEN Duy Khanh		
Position	Lecturer, Department of Applied Physics		
Academic Career		<i>Institution</i>	<i>Year</i>
	Master degree	University of Science, VNUHCM	2018
	Undergraduate/bachelor degree	University of Science, VNUHCM	2015
Employment	<i>Position</i>	<i>Employer</i>	<i>Period</i>
	Lecturer	Faculty of Physics - Engineering Physics	2018-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>
	Investigation and fabrication of SERS substrates based on gold nanoparticles deposited on ZnO nanorods developed on silicon wafer for analysis of Abamectin residues	University of Science, VNU HCM	2018-2019
	Effect of some compounds containing hydroxyl groups on the second harmonic generation efficiency of KDP crystals in laser applications	University of Science, VNU HCM	2021-2022
	Investigation of surface-enhanced Raman spectroscopy in the direction of pesticide detection	University of Science, VNU HCM	2023-2024
	Investigation and fabrication of gold metal nanostructured plasmonic substrates for application in surface-enhanced Raman spectroscopy	VNU HCM	2023-2024
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>			
	<p>1. Vinh Trung Phan, Thuy Thi Ngoc Vo, Khanh Duy Nguyen, Trang Thuy Phuong Do, Dat Tat Nguyen, Anh Thi Quynh Le, Dat Thanh Huynh. "Co-doping effect of Amaranth and EDTA on bulk growth, optical, structural properties and second harmonic generation of KDP crystals grown by Sankaranarayanan-Ramasamy (SR) technique". Optical Materials. Volume 105, July 2020, 109894.</p> <p>2. Vinh Trung Phan, Trang Thuy Phuong Do, Dat Tat Nguyen, Khanh Duy Nguyen, Thuy Thi Ngoc Vo, Anh Thi Quynh Le, Dat Thanh Huynh. "Growth, ultraviolet-visible, vibrational, photoluminescence and second harmonic generation studies of Amaranth and EDTA co-doped KDP crystals". Optical and Quantum Electronics. Volume 53, January 2021.</p> <p>3. Vinh Trung Phan, Khanh Duy Nguyen, Hung Vu Tuan Le. "Effect of some hydroxyl additives on the growth and optical properties of KDP crystals". Journal of Crystal Growth. Volume 587, 1 June 2022, 126643</p> <p>4. Khanh N D, Thu L M, Khoa P D, Ngoc L V, Thu V T H, Hung L V T. Nanosensors devices based on Au-studded ZnO nanorod for R6G detection. Sci. Tech. Dev. J.; 2022, 25(4):2548-2556.</p> <p>5. Huyen Le Thi Minh, Lua Tran Thi, Huy Kim Nhat, Huyen Nguyen Thi Anh, Tuan Dao Anh, Truong Nguyen Huu, Khanh Nguyen Duy, and Hung Le Vu Tuan. "Conductivity support of AZO in enhancements of SERS Ag/AZO substrate to detect ketoprofen". Journal of Materials Science: Materials in Electronics. Volume 34 (4), 25 January 2023.</p> <p>6. Truong Huu Nguyen, Anh Tuan Thanh Pham, Tram Ngoc Le Pham, Tan Minh Le, Truc Thi Duong, Dung Van Hoang, Khanh Duy Nguyen, Thuy Dieu Thi Ung, Thang Bach Phan and Vinh Cao Tran. "Co-doping effects of fluorine and indium on ZnO transparent electrode films". Ceramics International (2024).</p>			
Activities in specialist bodies over the last 5 years	<i>Organization</i>		<i>Role</i>	
	None		None	
Website	https://phys.hcmus.edu.vn/			