

Name	NGUYEN Huu Ke		
Position	Researcher, Department of Applied Physics		
Academic Career		<i>Institution</i>	<i>Year</i>
	Doctoral degree	University of Science, VNUHCM	2020
	Master degree	University of Science, VNUHCM	2014
	Undergraduate/bachelor degree	University of Science, VNUHCM	2010
Employment	<i>Position</i>	<i>Employer</i>	<i>Period</i>
	Researcher	Faculty of Physics - Engineering Physics	2010 - 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>
	Investigating the photoelectric properties of CZTSSe absorption layer to apply for solar cells	Viet Nam National University Ho Chi Minh City	Principal investigator 2017-2019
	Research and manufacture of Ag-Si pyramid SERS sensor to detect toxic substance R6G	Department of Science and Technology, Ho Chi Minh City	Principal investigator 2019-2020
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 Huu Ke , Dao Anh Tuan, Tran Tri Thong, Nguyen Ha Thanh, Le Vu Tuan Hung, Preparation of SERS Substrate with Ag Nanoparticles Covered on Pyramidal Si Structure for Abamectin Detection, Plasmonics, 2021 DOI: 10.1007/s11468-021-01386-w... 2. Nguyen Huu Ke , Nguyen Ha Thanh, Nguyen Hoang Long, Dao Anh Tuan, Le Vu Tuan Hung, Fabrication of Ag-ZnO NRs SERS substrates for abamectin detection: the effect of Ag sputtering times and ZnO sol concentrations in seed layer preparation on SERS performance,		

	Journal of Materials Science: Materials in Electronics, 2021 DOI :10.1007/s10854-021-07102-y 3. Dung Van Hoang, Hanh Duc Thi Dinh, Truong Huu Nguyen, Anh Tuan Thanh Pham, Tu Uyen Doan Thi, Trang Thuy Thi Phan, Ke Huu Nguyen, Thang Bach Phan, Vinh Cao Tran, Fine-tuning high electrical conductivity of Mg-Doped CuCrO₂ delafossite thin films through preferred-(110) orientation and film thickness control, Physica B: Condensed Matter, 415185, 667, 2023 DOI: 10.1016/j.physb.2023.415185 4. Quang Nhat Tran, Thao Thanh Thuy Le, Nguyen Huu Ke, Hai Son Truong-Lam, <i>Simultaneous treatment and enrichment of total phosphorus from livestock sewage using hydrate technology</i>, Journal of Water Process Engineering, 68, 106353, 2024, https://doi.org/10.1016/j.jwpe.2024.106353. 5. Trong Vo Huu, Hong Le Thi Thu, Long Nguyen Hoang, Khanh Huynh Thuy Doan, Khanh Nguyen Duy, Tuan Dao Anh, Huyen Le Thi Minh, Ke Nguyen Huu, Hung Le Vu Tuan, <i>Nanorod structure tuning and defect engineering of MoOx for high performance SERS substrates</i>, Nanoscale, 2024, https://doi.org/10.1039/D4NR04368E		
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/		