Name	NGUYEN Huu Ke				
Position	Researcher, Department of Applied Physics				
Academic Career		-	Institution	Year	
	Doctoral degree	Univers VNUH	sity of Science, CM	2020	
	Master degree	University of Science, VNUHCM		2014	
	Undergraduate/bachelor degree	University of Science, VNUHCM		2010	
Employment	Position	Employer		Period	
	Researcher	Faculty of Physics - Engineering Physics		2010 - Present	
Research and development projects over the past 5 years	Name of project or research focus	Body funding		Role/ Period	
	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	Project titles		Partners		
	None		None		
Patents and proprietary rights	Title		Year		
	None		None		
Important publications over the last 5 years	Selected recent publications from a total of approx.: 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, *Simultaneous treatment and enrichment of total phosphorus from livestock sewage using hydrate technology*, 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, *Nanorod structure tuning and defect engineering of MoOx for high performance SERS substrates*, Nanoscale, 2024, https://doi.org/10.1039/D4NR04368E

Activities in specialist bodies over the last 5 years	Organization	Role	Period	
	None	None	None	
Website	https://phys.hcmus.edu.vn/			