

<b>Name</b>	VO Thi Ngoc Thuy		
<b>Position</b>	Lecturer, Department of Applied Physics		
<b>Academic Career</b>		<b><i>Institution</i></b>	<b><i>Year</i></b>
	Doctoral Degree	University of Science, VNUHCM	2019
	Master Degree	University of Science, VNUHCM	2011
	Undergraduate/Bachelor Degree	University of Science, VNUHCM	2005
<b>Employment</b>	<b><i>Position</i></b>	<b><i>Employer</i></b>	<b><i>Period</i></b>
	Lecturer	Faculty of Physics - Engineering Physics	2011- Present
<b>Research and development projects over the past 5 years</b>	<b><i>Name of project or research focus</i></b>	<b><i>Body funding</i></b>	<b><i>Role/ Period</i></b>
	Synthesis and characterization of the optical properties of CdSe quantum dots conjugated with biological agents for biosensor applications.	VNUHCM	Leader 2016-2018
	Fabrication quantum dots (CdSe dope Mn)- Aptamer for the detection of Samonella in food	VNUHCM	Leader 2019-2021
	Synthesis of carbon dots from biomass by hydrothermal method and application in metal ion detection	VNUHCM	Leader 2023-2024
<b>Industry collaborations over the past 5 years</b>	<b><i>Project titles</i></b>	<b><i>Partners</i></b>	
	None	None	
<b>Patents and proprietary rights</b>	<b><i>Title</i></b>	<b><i>Year</i></b>	
	None	None	

<p><b>Important publications over the last 5 years</b></p>	<p><b><i>Selected recent publications from a total of approx.:</i></b></p> <ol style="list-style-type: none"> <li>1. <b>NT Vo</b>, et al, Jurkat T Cell Detectability and Toxicity Evaluation of Low-Temperature Synthesized Cadmium Quantum Dots, Journal of Nanomaterials, 2020</li> <li>2. VT Phan, <b>TTN Vo</b>, KD Nguyen, TTP Do, DT Nguyen, ATQ Le, DT 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, 2020</li> <li>3. Thanh Binh Nguyen, Thi Bich Vu, Hong Minh Pham, Cao Son Tran, Hong Hao Le Thi, <b>Ngoc Thuy Vo Thi</b>, Detection of Aflatoxins B1 in Maize Grains Using Fluorescence Resonance Energy Transfer Applied Sciences, 2020.</li> <li>4. Thanh Quyt Phan, Thi Bich Vu, Hai Dang Ngo, Vinh Quang Lam and <b>Vo Thuy*</b>, Hydrothermal synthesis carbon dots derived from blumea lacera for heavy metal detection, Materials Research Innovations, 2025</li> <li>5. Huu Phuc Dang, Ha Thanh Tung, Nguyen Thi My Hanh, Nguyen Thuy Kieu Duyen, <b>Vo Thi Ngoc Thuy</b>, Nguyen Thi Hong Anh and Le Van Hieu, Efficient counter electrode for quantum dot sensitized solar cells using p-type PbS@reduced graphene oxide composite, Nanoscale Advances, 2025.</li> </ol>		
<p><b>Activities in specialist bodies over the last 5 years</b></p>	<p><b><i>Organization</i></b></p>	<p><b><i>Role</i></b></p>	<p><b><i>Period</i></b></p>
	<p>None</p>	<p>None</p>	<p>None</p>
<p><b>Website</b></p>	<p><a href="https://phys.hcmus.edu.vn/">https://phys.hcmus.edu.vn/</a></p>		