

Phan Nguyễn Đức Dược
duocpnd@ntu.edu.vn

Nha Trang University
Department of Physics, Faculty of Electricity and Electronics
02 Nguyen Dinh Chieu Str., Nha Trang City, Vietnam

Tel: (0084) 349826049

EDUCATION

Hue University of Education, Vietnam
Master of Science in Theoretical and Computational Physics, 2014-2016

Hue University of Education, Vietnam
Bachelor of Science in Physics, 2009-2013

RESEARCH INTERESTS

- Graphene, Carbon nanotubes and other two dimensional materials
- Applications of Advanced 2D materials for sensors

RESEARCH EXPERIENCE and PROJECTS

- Fabrication of Graphene, Carbon nanotubes and their hybrid materials.

TEACHING RESPONSIBILITY

Undergraduate (Đại học)

- Fundamental of Physics A
- Fundamental of Physics B
- Experimental Physics

PUBLICATIONS, PROCEEDINGS, and PRESENTATIONS

Journals

1. **Nguyen Duc Duoc Phan**, Nhu Dat Nguyen, Van Hau Tran, Toan Thang Nguyen and Van Hieu Nguyen (2017), Functional integral method in quantum field theory of Dirac fermions in graphene, *Adv. Nat. Sci.: Nanosci. Nanotechnol.* **8** 035018.
2. **Nguyen Duc Duoc Phan**, Van Hau Tran (2017), Functional integral method in quantum field theory of plasmons in graphene, *Adv. Nat. Sci.: Nanoci. Nanotechnol.* **8** 045017.

Proceedings and Presentations

1. **Nguyen Duc Duoc Phan**, Van Hau Tran, Van Hieu Nguyen and Toan Thang Nguyen (2017), Functional integral method in quantum field theory of Dirac fermions and plasmons in graphene, *Proceedings of the 6th International Workshop on Nanotechnology and Applications –IWNA 2017*, Phan Thiet (Vietnam), November 8-11, 2017.
2. **Phan Nguyen Duc Duoc**, Nguyen Hai Binh, Tran Van Hau, Cao Thi Thanh, Ta Van Hien, Nguyen Viet Tuyen, Nguyen Van Tu, Pham Van Trinh, Nguyen Van Chuc (2018), DWCNT – graphene hybrid film based electrochemical sensor for arsenic detection , *Proceedings of*

*the 9th International Workshop on Advanced Materials Science and Nanotechnology-
IWAMSN 2018.*