# *Faculty Vitae*

**1. Full name**

- **DO Minh Huy**
- Full-time: Lecturer cum Researcher

**2. Education**

- Doctor of Philosophy: Agricultural resource sciences
  - Specialty: Agricultural resource sciences
  - Academic institutions: National Polytechnic Institute of Toulouse
  - Completion date: 08/09/2020
- Master Research: Chemistry
  - Specialty: Analytical chemistry
  - Academic institutions: VNUHCM - University of Science
  - Completion date: 26/10/2015
- Bachelor of Science: Chemistry
  - Specialty: Analytical chemistry
  - Academic institutions: VNUHCM - University of Science
  - Completion date: 17/09/2012

**3. Academic experience**

- Nguyen Tat Thanh University
- Address: 300A Nguyen Tat Thanh Street Ward 13, District 4, Ho Chi Minh city
- Faculty : Environmental and Food Engineering
- Administrative position: Lecturer cum Researcher

- VNUHCM - University of Science
- Address: 227 Nguyen Van Cu, Ward 4, District 5, Ho Chi Minh city
- Faculty: Chemistry
- Administrative position: Researcher
- Years: 2015 – 2017.

**4. Non-academic experience**

- 2012 – 2013: Lab technician - Intertek Vietnam Company Ltd, Ho Chi Minh city, Vietnam

**5. Certifications or professional registrations**

- Certificate in English (TOEIC 710)

**6. Membership in professional organizations**

**7. Honors and awards**

**8. Service activities**

- Teaching activities: analytical chemistry, food analysis, laboratory safety
- Scientific research: science research guides

**9. Areas of research**

- Development of gas, optical and electrochemical sensor
- Analytical method development

**10. Publications, presentations, creative works**

**Articles in other International Journals**

- **Minh Huy Do**, Brigitte Dubreuil, Jérôme Peydecastaing, Guadalupe Vaca-Medina, Tran-Thi Nhu-Trang, Nicole Jaffrezic-Renault, Philippe Behra. Chitosan-based nanocomposites for glyphosate detection using surface plasmon resonance. Sensor. 2020, 20 (20), 5942.

- **Minh Huy Do**, Anca Florea, Carole Farre, Anne Bonhomme, Francois Bessueille, Francis Vocanson, Tran-Thi Nhu-Trang, Nicole Jaffrezic-Renault. Molecularly imprinted polymer-based electrochemical sensor for the sensitive detection of glyphosate herbicide. International Journal of Environmental Analytical Chemistry. 2015, 95 (15), 1489-1501.

**Articles in National Scientific Journals**

- Ut Dong Thach, Thi Lan Nhi Do, Ngoc Lan Anh Do, **Minh Huy Do**. Synthesis of cellulose graft ionic liquid using silanization reaction. Science and Technology Development Journal. 2019, 22, 228-234.
- Tran-Thi Nhu-Trang, Duc Thanh Nguyen, **Minh Huy Do**, An Quoc Trieu, Dat Hoang Tran, Viet Duc Tran, Nghia Trong Mai. Development of an automated sampling and measurement equipment to determine the greenhouse gas methane on the waterair surface of urban canals. Science and Technology Development Journal - Natural Sciences. 2018, 1, 149-162.
- Tran-Thi Nhu-Trang, Nho Thanh Nguyen, **Minh Huy Do**, Duc Thanh Nguyen. Surveying emissions of greenhouse gas CO2 in the canals of Ho Chi Minh city by floating chamber method. Science & Technology Development Journal - Science of The Earth & Environment. 2017, 1, 5-14.

**International Conferences**

- **Minh Huy Do**, Brigitte Dubreuil, Jérôme Peydecastaing, Guadalupe Vaca-Medina, Tran-Thi Nhu-Trang, Nicole Jaffrezic-Renault, Philippe Behra. Optical sensor for the detection of glyphosate using molecular imprinting technique and surface plasmon resonance. European Workshop on "Low-Cost Sensors and Microsystems for Environment Monitoring". 20-21 May 2019, Toulouse, France.
- **Minh Huy Do**, Brigitte Dubreuil, Jérôme Peydecastaing, Guadalupe Vaca-Medina, Tran-Thi Nhu-Trang, Nicole Jaffrezic-Renault, Philippe Behra. Surface plasmon resonance sensor based on molecularly imprinted polymers for glyphosate recognition. Journées de Ecole ED SDM. 16-17 May 2019, Toulouse, France. (Award as best poster)
- **Minh Huy Do**, Brigitte Dubreuil, Jérôme Peydecastaing, Guadalupe Vaca-Medina, Tran-Thi Nhu-Trang, Nicole Jaffrezic-Renault, Philippe Behra. A bio-sourced detection system for monitoring herbicides such as glyphosate in aquatic systems. USTH workshop. 15-17 May 2018, Toulouse, France. (Award as the best presentation).
- **Minh Huy Do**, Brigitte Dubreuil, Jérôme Peydecastaing, Guadalupe Vaca-Medina, Tran-Thi Nhu-Trang, Nicole Jaffrezic-Renault, Philippe Behra. A bio-sourced detection system for monitoring herbicides such as glyphosate in aquatic systems. Vietnam International Water Week – VACI2018. 04-07 March 2018, Hanoi, Vietnam.
- **Minh Huy Do**, Brigitte Dubreuil, Jérôme Peydecastaing, Guadalupe Vaca-Medina, Tran-Thi Nhu-Trang, Nicole Jaffrezic-Renault, Philippe Behra. Développement de capteurs chimiques innovants: exemples d'application. Réunion CRITEX. 10-12 May 2017, Grenoble/Autrans, France.

**11. Professional development activities**

- Training on Rubric design in assessing learning activities to achieve the learning outcomes

**12. Teaching competence**

- Specialized foundation subjects: Scientific research method, laboratory safety.
- Specialized subjects: analytical chemistry, food analysis.