

CURRICULUM VITAE

DOAN, VAN CONG

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Date of birth: 08.25.1993
Nationality: Vietnamese

EDUCATION

- 9/2017-10/2020 Ph.D. in Chemical Ecology and Climate Sciences, Oeschger Centre for Climate Change Research (OCCR), Institute of Plant Sciences (IPS), Oeschger Centre for Climate Change Research (OCCR), University of Bern, Bern, Switzerland.
Supervisor: Prof. Matthias Erb, Prof. Christelle A. M. Robert.
Latin honors: insigni cum laude
- 9/2015-7/2017 MSc. in Plant Protection, Georgikon Faculty, University of Pannonia, Hungary.
Supervisor: Prof. Anda Angela.
Grades: 4.94/5.0 (first honor)
- 8/2011-9/2014 Bachelor in Crop Science, University of Cantho, Vietnam ((Ranked top 5 among Vietnamese Universities_ (UniRank™ 2019)).
Supervisor: Prof. Tran Thi Ba.
Rank: 1st, Grade: 3.83/4.

EMPLOYMENT HISTORY

- 12/2022-nay Research Fellow (type RTDA) at the Plant Physiology group, the Department of Life Sciences and Systems Biology of the University of Turin, Italy
- 11/2020-12/2022 Technical assistance (full time) at Molecular Interaction Ecology group of Professor Nicole van Dam, German Centre for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig (affiliated the Friedrich Schiller University Jena), and Special Botany and Functional Biodiversity group of Professor Alexandra Weigelt, University of Leipzig, Germany.
- 9/2017-10/2020 PhD candidate (full time Ph.D.) at the Institute of Plant Science, university of Bern. Title of Ph.D. dissertation: Interactive effects of elevated temperature, drought and elevated CO₂ on tritrophic interactions in maize (*Zea mays L.*).
- 9/2015-7/2017 Msc. student in Plant Protection, Georgikon Faculty, university of Pannonia, Hungary. Title of Msc. thesis: Modelling the local impact of global warming in maize (*Zea mays L.*).
- 7/2015-9/2015 Trainee, research and product development, Tan Thanh Trading Co., LTD.
- 7/2014-7/2015 Research assistant, Department of Crop Science, College of Agricultural, university of Cantho.
- 8/2011-9/2014 Bsc. in Crop Science, University of Cantho, Vietnam (Ranked top 5

among Vietnamese Universities_ UniRank™ 2019). Supervisor: Prof. Tran Thi Ba. Title of Bsc. thesis: The contribution of cucumber (*Cucumis sativus L.*) root stocks to *Fusarium oxysporum* resistance.

COMPLEMENTARY TRAINING

- 09/2021 The 36th annual meeting of the International Society of Chemical Ecology “Chemical Ecology and Sustainable development”, Stellenbosch, South Africa (Virtual).
- 09/2019 Symposium “Mechanisms of Plant Perception - From endogenous to exogenous”, Lausanne, Switzerland.
- 07/2019 New Phytologist “next generation scientists” meeting, O’Brien Science Centre, University College Dublin, Ireland.
- 06/2019 18th Young Researchers Meeting 2019 "Scientific Excellence for Climate Sciences-How to deliver (and offer) scientific work in good, if not excellent quality”, Aeschi bei Spiez, Switzerland.
- 06/2019 Workshop “AGOSCOPE visit_Reckenholz and Wadenswil”, Zurich, Switzerland.
- 06/2019 Course “Getting started with 'R' – analysing and visualising your statistical data”, the University of Bern, Bern, Switzerland.
- 05/2019 2nd “One Health Young Researchers Meeting”, Aeschi bei Spiez, Switzerland.
- 08/2018 17th Swiss Climate Summer School “Earth system variability through time”, Grindelwald, Switzerland.
- 06/2018 17th Young Researchers Meeting 2018 “Climate action for Climate Scientists_How (not) to communicate, advocate and take action for climate”, Aeschi bei Spiez, Switzerland.
- 2-4/2018 Workshop “Interdisciplinary Think Tank – Plan your own project”, the University of Bern, Switzerland.
- 09/2017 OCCR Plenary Meeting Autumn 2019, the University of Bern, Switzerland.
- 02/2017 Course certificate “Data Processing of Remote Sensing”, Organized by Georgikon Faculty, University of Pannonia, Hungary.
- 02/2016 Course certificate “Information Technology in Agriculture”, Organized by Georgikon Faculty, University of Pannonia, Hungary.
- 12/2016 6th International Course on Integrated Pest Management, Izmir, Turkey.
- 05/2016 Course certificate “Conservation Biology”, Organized by Georgikon Faculty, University of Pannonia, Hungary.
- 08/2015 Workshop “Diagnosis and Management of Plant Viruses”, Organized by Department of Plant Protection, Cantho University, Vietnam.
- 11/2013 Extending the first Asian +3 youth cultural forum at University of Malaya, Kuala Lumpur, Malaysia.

AWARDS, PRIZERS AND SCHOLARSHIPS

2022	National Recovery and Resilience Plan (PNRR) - Mission 4 "Education and Research" - Component 2 "From Research to Business" - Investment 1.2 "Financing of projects presented by young researchers" subjects for young researchers who have obtained a "Seal of Excellence" following participation in and Marie Skłodowska-Curie Postdoctoral Fellowships calls, Italy (150.000 Euro).
2021	The best presentation at the international conference on Smart Agriculture Vietnam 2021, Australia (1000 AU)
2017-2020	Unibe International 2021 for an Ph.D. in Climate Science at Institute of Plant Sciences- Oeschger Centre for Climate Change Research, university of Bern Switzerland. <i>Competitive international fellowship. 15 positions (over 3 years 147.000-150.000 CHF).</i>
2020	Travel support for young researchers of the Faculty of Science, University of Bern, Switzerland (1000 CHF).
2019	Travel support for attending conference "next generation scientists" meeting, O'Brien Science Centre, University College Dublin, Ireland (120 CHF).
2017-2021	Turkish Government Excellent Scholarship for an Ph.D. in Plant Protection at university of Ankara, Turkey. <i>Competitive international fellowship. Success rate: 10%.</i>
2015-2017	FAO and Hungarian Government Scholarship for an Msc. in Plant Protection at Georgikon Faculty, University of Pannonia, Hungary. <i>Competitive international fellowship. Success rate: 10%. (7.200 USD for living cost + cover tuition fee and health insurance for 24 months).</i>
2014-2015	VALLET Scholarship 2014, Can Tho University. <i>Awarded for excellent performance. (500 USA)</i>
2013-2014	VALLET Scholarship 2013, Can Tho University. <i>Awarded for excellent performance. (500 USA)</i>
2014	Merit Certificate in Crop Sciences, Course 37, Can Tho University. <i>Awarded to best graduating student in Crop Sciences 2011-2014. (200 USA)</i>
2014	Merit Certificate in Crop Sciences, Course 37, Can Tho University. <i>Awarded for excellent performance in Crop Sciences 2013-2014. (200 USA)</i>
2013	Merit Certificate in Crop Sciences, Course 37, Can Tho University. <i>Awarded for excellent performance in Crop Sciences 2012-2013. (200 USA)</i>
2012	Merit Certificate in Crop Sciences, Course 37, Can Tho University. <i>Awarded for excellent performance in Crop Sciences 2011-2012. (200 USA)</i>

ACTIVE MEMBERSHIPS IN SCIENTIFIC SOCIETIES

2019	International Society of Chemical Ecology (ISCE)
2020	American Society of Plant Biologists (ASPB)
2021	The Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES)

PARTICIPATION TO CONFERENCES, MEETING

Conference Organising Committee

04/2022 iDiv Annual Conference 2022, German Centre for Integrative Biodiversity Research (iDiv), Halle-Jena-Leipzig, Germany.

Oral presentation

08/2022 **“Climate change and its impact on agriculture, focusing on biocontrol agents”**, The 1st Scientific Seminar of Young Vietnamese Intellectuals in Europe 2022, Praha, Czech Republic.

12/2021 **Green Agriculture school model “Adapting to climate change and reducing greenhouse gas emissions”**, the international conference on Smart Agriculture Vietnam 2021, Australia (Virtual).

09/2021 **“Tissue-specific volatile-mediated defense regulation in maize leaves and roots”**, The 36th annual meeting of the International Society of Chemical Ecology “Chemical Ecology and Sustainable development”, Stellenbosch, South Africa (Virtual).

07/2020 **“Volatile-mediated defense priming occurs in maize leaves, but not roots”** XXVI International Congress of Entomology, in Helsinki, Finland (ICE 2020). Postpone to 07/2021.

05/2019 **“Can a maize plant warn its neighbouring plant of a root attack?”** 7th Biology day, the University of Bern.

05/2019 **“How will climate change impact belowground tritrophic interaction?”** 2nd **“One Health Young Researchers Meeting”**, Aeschi bei Spiez, Switzerland.

Poster presentation

07/2019 **“Belowground priming in maize”** New Phytologist **“next generation scientists”** meeting, O’Brien Science Centre, University College Dublin, Ireland.

08/2018 **“How will climate change impact belowground tritrophic interaction?”** 17th **Swiss Climate Summer School** “Earth system variability through time”, Grindelwald, Switzerland

PUBLICATIONS.

1. 2022 Duc NH*, Vo HTN*, **van Doan C***, Hamow KA’, Le KH and Posta K. *Volatile organic compounds shape belowground plant–fungi interactions*. Front. Plant Sci. 13:1046685 (2022). [doi: 10.3389/fpls.2022.1046685](https://doi.org/10.3389/fpls.2022.1046685) (*These authors have contributed

equally to this work)

2. 2021 Pham, Ngoc Nhan; **Doan, Van Cong**; Nguyen, Trung Tien; Phan, Thi Tiem; Le, Tran Thanh Liem. *Transforming Organic Agriculture Production in the Mekong Delta: Trends and Policy Implications* (page: 244-261) . In the book *Agricultural Production in Vietnam from the social-ecological transformation approach: opportunities, challenges and policy implications* by Dao, Thanh Truong and Philip Degenhardt. **Lao Dong** (1952/QĐ-NXBLD, date: 21/12/2021).
3. 2021 Aboubakr Moradi; Tina Austerlitz; Paul Dahlin; Christelle AM Robert; Corina Maurer; Katja Steinauer; **Cong van Doan**; Paul Anton Himmighofen; Krzysztof Wieczorek; Markus Künzler; Felix Mauch. *Marasmius oreades agglutinin enhances resistance of Arabidopsis against plant-parasitic nematodes and a herbivorous insect*. In the **journal of BMC Plant Biology** 21, 402 (2021). <https://doi.org/10.1186/s12870-021-03186-0>
4. 2021 Guyer, Anouk S., **van Doan, Cong**; Maurer, Corina; Machado, Ricardo A. R.; Mateo, Pierre; Steinauer, Katja; Kesner, Lucie; Hoch, Günter; Kahmen, Ansgar; Erb, Matthias & Robert, Christelle A. M. *Modulates Multitrophic Interactions Between Maize, A Root Herbivore, and Its Enemies*. **J Chem Ecol.** <https://doi.org/10.1007/s10886-021-01303-9>
5. 2021 **van Doan, Cong**; Pfander, Marc; Guyer, Anouk S.; Zhang, Xi; Maurer, Corina; Robert, Christelle A.M. *Natural enemies of herbivores maintain their biological control potential under short-term exposure to future CO₂, temperature, and precipitation patterns*. **Ecology and Evolution**. Vol. 11(9), pp 4182-4192. <https://doi:10.1002/ece3.7314>.
6. 2021 **van Doan, Cong**; Züst, Tobias; Maurer, Corina; Zhang, Xi; Machado, Ricardo A.R.; Mateo, Pierre; Ye, Meng; Schimmel, CJ Schimmel; Glauser, Gaétan; Robert, Christelle AM. *Herbivore-induced plant volatiles mediate defense regulation in maize leaves but not in maize roots*. **Plant Cell & Environ.** Vol. 44(8), pp: 2672-2686. DOI: <https://doi.org/10.1111/pce.14052>.
7. 2019 Zhang, Xi; **van Doan, Cong**; Arce, Carla C. M.; Hu, Lingfei; Gruenig, Sandra; Parisod, Christian; Hibbard, Bruce E.; Hervé, Maxime R.; Nielson, Chad; Robert, Christelle A. M.; Machado, Ricardo A. R.; Erb, Matthias. *Plant defense resistance in natural enemies of a specialist insect herbivore*. **Proceedings of the National Academy of Sciences of the United States of America – PNAS**. Vol. 116(46), pp. 23174-23181. DOI: 10.1073/pnas.1912599116.
8. 2019 Zhang, Xi; Machado, Ricardo AR; **van Doan, Cong**; Arce, Carla CM; Hu, Lingfei, Robert , Christelle AM.. *Entomopathogenic nematodes increase predation success by inducing specific cadaver volatiles that attract healthy herbivores*. **ELife**. Vol 8:e46668. DOI: <https://doi.org/10.7554/eLife.46668>.
9. 2016 **van Doan, Cong**. *Climate change and its effect on some physiological processes of the agricultural plants*. **Georgikon for Agriculture (HU ISSN 0239 1260)**. Vol. 20(2), pp. 38-64.

PERSONAL INFORMATION

Language skills

Vietnamese: Mother tongue

English: Very good written and oral skills (Entire MSc. and PhD. was in English)

German: Beginner (A1)

Hungarian: Basic

Hobbies

Doing research, investigating a new thing, share experiences with people, teaching, listen to music and watching comedy TV shows, make people happier,...

“Never give up, and always think that everything will be fine, so try hard and enjoy every moment in your life, think like a proton, always be positive”,