

## INFORMATION ABOUT DOCTORAL THESIS

1. The author's name: Doan Huong Giang.
2. Gender: Female
3. Date of birth: 28/12/1984.
4. Place of birth: Ha Noi
5. Decision to recognize PhD students: Decision No. 2251/QD-DHKHTN dated July 19, 2019 of the University of Science, Vietnam National University, Hanoi.
6. Changes in the training process (if any): Extension document No. 151/QD-DHKHTN dated January 17, 2023 on extension of training and thesis defense for doctoral students; Extension document No. 1073/QD-DHKHTN dated April 16, 2024; Extension document No. 4828/QD-DHKHTN dated December 31, 2024 on extension of training and thesis defense for doctoral students.
7. Thesis title: Research on the scientific underpinnings of agricultural land consolidation and accumulation to support the development of sustainable agricultural production in the mountainous districts of Mai Son and Moc Chau, Son La province.
8. Science Major: Land Administration
9. Code: 9850103
10. Academic supervisors: Supervisor 1: Assoc.Prof. Tran Van Tuan; Supervisor 2: Assoc.Prof. Nguyen Thi Ha Thanh
11. Summary of new results of the thesis:
  - Result 1: The thesis has clarified the current situation and potential for agricultural land accumulation and concentration in the mountainous districts of Moc Chau and Mai Son, Son La province through assessing the current status of land use, the current status of accumulation and concentration methods and the effectiveness of some land use models after agricultural land accumulation and concentration.
  - Result 2: Proposing suitable space to accumulate and concentrate agricultural land for growing vegetables, coffee and mango trees to serve sustainable agricultural production in the mountainous districts of Moc Chau and Mai Son, Son La province based on using the AHP multi-criteria analysis method combined with GIS.
12. Further research directions:
  - Applying the spatial orientation model of agricultural land accumulation from Moc Chau and Mai Son to other mountainous districts of Son La province.
  - Applying GIS to spatially orient the accumulation and concentration of agricultural land under the impact of climate change in the Northwest region.
  - Policies and institutions in the accumulation and concentration of agricultural land in mountainous areas: Current situation and recommendations

- Developing agricultural value chains from agricultural land accumulation areas in Son La province.

13. Publications related to the thesis:

- Land consolidation at the Household level in the Red river Delta, Vietnam, Land 2020, volume 9, issue 6, 196, doi.org/10.3390/land9060196

- Research on the situation and proposal land consolidation for production sustainable agricultural in Dong Sang, Moc Chau district, Son La province, Journal of Tay Bac University No. 22-KHTN/2021.

- Proposing a map of areas suitable for concentrated coffee cultivation for agricultural and forestry production in Mai Son district, Son La province, Vietnam Journal of Forest Science, ISSN 1859-0373, No. 2/2025, Pages 93-106.

- Application of GIS and AHP method in the optimal location for land consolidation to grow sustainable vegetables in Moc Chau district, Son La province, Can Tho University Journal of Science, ISSN 1859-2333, vol. 61, no. 2B (2025), Pages 192-205.

*Hanoi, date 03 month 6 year 2025*

**On behalf of academic supervisors**

**PhD. Student**

**Supervisor 1**

**Supervisor 2**

Assoc.Prof. Tran Van Tuan    Assoc.Prof. Nguyen Thi Ha Thanh