CURRICULUM VITAE

Personal Information:
Surname: Nguyen
Given names: Thi Thu Ha
Place of birth: Hanoi, Vietnam
Date of birth: November 23, 1977
Nationality: Vietnamese
Postal address: Dept. of Agroecology, Faculty of Natural Resources and Environment, Vietnam National University of Agriculture, Gialam, Hanoi, Vietnam
Tel: +84 (0)4.38 76 56 07
Email: nguyen08492@alumni.itc.nl or hanguyen.cares@gmail.com

Education:

- June 2007 – Jan 2013: PhD student at Faculty of Geo-information Science and Earth Observation (ITC), University of Twente, The Netherlands. *Thesis title: Earth Observation for Rice Crop Monitoring and Yield Estimation: Application of Satellite data and Physical Based Models to the Mekong Delta*.

- Sep 2003- Mar 2005: MSc in Geo-Information Science and Earth Observation at ITC, University of Twente, The Netherlands . Research theme on Natural Resource Management

- Sep 1995- Sep 1999: BSc. in Crop Sciences at Hanoi University of Agriculture, Vietnam

Completed short training courses:

- Technical Writing and Editing training programme. University of Twente, the Netherlands. October 2009

- The Art of Modelling. The C.T. de Wit Graduate School PE&RC, Wageningen University and Research Centre, the Netherlands. August 23 - September 3, 2010

- Learning IDL for Building Expert Applications in ENVI. ITC Faculty, University of Twente, the Netherlands. October 25 - December 17, 2010.

Employment record:

From: 2000	**To:** Now
Employer:	Vietnam National University of Agriculture

	Center for Agricultural Research and Ecological Studies (CARES)
Position held:	Vice director of CARES & Head of the GIS and Remote Sensing Application Group. Expertise: - Image segmentation, land use and land cover mapping. - Hyper-temporal remote sensing analysis. - Radiative transfer modeling for biophysical parameter estimation. - Remote sensing-based approach for NPP estimation. - Crop growth modeling - GIS-based models and spatial analysis

Membership of Professional Associations: American Geophysical Union (AGU) - 2014

Language Skills (indicate only languages in which you can work):

Languages	Speaking	Reading	Writing
English	Fluent	Fluent	Fluent
Vietnamese	Native	Native	Native

Other Relevant Skills:

Geospatial statistics

Spatial analysis, spatial multi-criteria analysis/evaluation

Hyper-temporal Imagery Analysis, Radiative transfer models

MATLAB, ArcGIS, ILWIS, ENVI + IDL, ERDAS

FST/FSE (Fortran)

Project experience:

Name of assignment or project	**Biodiversity Initiatives of Medicinal Genetic Resources for Forest-based Livelihoods of the Dao Ethnic Minority in Ba Vi**
Year:	2021-2022
Location:	Vietnam

Client:	Fund for Local Cooperation (FLC) program, The Embassy of Finland in Hanoi
Main project features:	Biodiversity and herbal medicinal conservation in the Bavi National Park, and maintain local Dao people livelihood through the conservation and development of the Dao herbal remedies
Position held:	PI
Activities performed:	Project manager
Name of assignment or project	**Remote sensing for mapping maize cropping patterns and acreages toward the yield forecasting in Daklak and Sonla**
Year:	2018 - 2019
Location:	Vietnam
Client:	FIRST project, Vietnam's Ministry of Science and Technology
Main project features:	Mapping maize cropping patterns & acreages from satellite data
Position held:	Co-PI
Activities performed:	On desk GIS & RS core person for mapping maize cropping patterns
Name of assignment or project	**Software development for Uganda Agricultural GeoWeb**
Year:	2018-2019
Location:	Uganda & Zambia
Client:	**College of Agriculture and Environment, Makerere University, Uganda**
Main project features:	Developing a geo-based web services for agricultural interested users
Position held:	International Consultant
Activities performed:	Remote sensing -and -GIS based data processing for related information on cropping calendar, what crop(s) and where they were grown…
Name of assignment or project	**International Consultant on Remote sensing for rice LAI**

Year:	2015 - 2016
Location:	IRRI, Los Banos, Philippines and Ha Noi, Vietnam
Client:	International Rice Research Institute (IRRI), Social Sciences Division (SSD)
Main project features:	RIICE project
Position held:	International Consultant
Activities performed:	Historical LAI estimation from Remote sensed data using Radiative Transfer Model SLC
Name of assignment or project	**Mapping forest and non-forest cover land of Thanh Hoa and Nghe An period 2000-2013/2014**
Year:	2014-2016
Location:	Thanh Hoa & Nghe An - Vietnam
Client:	Vietnam Forest and Delta Program, USAID, Winrock International
Main project features:	The project aim focuses on Remote sensing and GIS based technique for non-forest cover changes and analysis in Thanh Hoa and Nghe An, Vietnam.
Position held:	Principal Investigator
Activities performed:	Overall management Remote sensing based mapping of land cover/land use change
Name of assignment or project	**WP3 of the i-REDD+ project**
Year:	2011 – 2015
Location:	Con Cuong, Nghe An - Vietnam
Client:	EU
Main project features:	The project aim focuses on Remote sensing based monitoring of forest cover change in Con Cuong and Nghe An, Vietnam and Xiengkhouang, Lao PDR
Position held:	Manager, and work package leader
Activities performed:	Coordinating project activities within Vietnam sites, and with Lao sites
Name of assignment or project	**The University Support to Environmental Planning And Management in Cambodia, Laos, and Vietnam Project**

Year:	2005-2007
Location:	Vietnam, Lao PDR
Client:	DANIDA
Main project features	the USEPAM project has three major objectives: - Enhanced capacity of the beneficiary universities to provide multidisciplinary education and applied research in support of environmental planning and management. - Enhanced capacity of the beneficiary universities to support Government Agencies in development of methods and frameworks for environmental assessment and monitoring. - Improved cross-border exchange of knowledge on above issues.
Position held	Coordinator and field leader
Activities performed	Overall management of the project Analyzing driving forces of land cover & land use changes in Upper Ca River Basin, Nghe An, Vietnam and Xiengkhouang, Lao PDR.
Name of assignment or project	**Mapping the agricultural systems across the northern mountain of Vietnam.**
Year:	2000 – 2003
Location:	Vietnam
Client:	The Ford Foundation and WRI
Main project features:	Nutrient balance and sustainability of agricultural systems
Position held:	Remote sensing, GIS specialist in land cover mapping group
Activities performed:	Spatial analysis and mapping land cover/land use changes over time across the northern mountain region

Honors and Awards:

- **2007**: PhD Fellowship Grant from the Netherlands Organization for International Cooperation in Higher Education (NUFFIC).

- **2011**: Best student paper award at the 32nd Asian Conference on Remote Sensing for the paper entitled "Seasonal LAI estimation of Irrigated Rice in the Mekong delta, Vietnam using Soil-Leaf-Canopy (SLC) Radiative Transfer Model"

Selected publication:

Scientific papers:

- **Nguyen Thi Thu Ha**, Nguyen LV, de Bie CAJM, Ciampitti IA, Nguyen DA, Nguyen MV, Nieto L, Schwalbert R, Nguyen LV (2020). Mapping Maize Cropping Patterns in Dak Lak, Vietnam Through MODIS EVI Time Series. *Agronomy, 10(4):478.* https://doi.org/10.3390/agronomy10040478
- de Bie, C.A.J.M., **Thi Thu Ha Nguyen**, Amjad Ali, Scarrot, R., & Skidmore, A.K. (2012). LaHMa: a landscape heterogeneity mapping method using hyper-temporal datasets. *International Journal of Geographical Information Science, 26(11)*, pp. 2177-2192.
- **Nguyen, T.T.H**., de Bie, C.A.J.M., Ali, A., Smaling, E.M.A., & Chu, T.H. (2012). Mapping the irrigated rice cropping patterns of the Mekong delta, Vietnam, through hyper-temporal SPOT NDVI image analysis. *International Journal of Remote Sensing, 33*(2), pp. 415-434.
- Everaarts, A.P., **Ha, N.T.T**, and Hoi, P.V. (2006). Agronomy of a rice-based vegetable cultivation system in Vietnam: Constraints and recommendations for commercial market integration". *Acta Horticulturae, 699*, pp. 173-180.
- Leisz, S.J., **Nguyen thi Thu Ha**, Nguyen thi Bich Yen, Nguyen Thanh Lam, & Tran Duc Vien (2005). Developing a methodology for identifying, mapping and potentially monitoring the distribution of general farming system types in Vietnam's northern mountain region. *Agricultural Systems, 85*(3), pp. 340-363.

Conference proceeding papers:

- **Nguyen Thi Thu Ha**, Wout Verhoef, C.A.J.M. de Bie. (2011). Seasonal LAI estimation of irrigated rice using Soil-Leaf-Canopy (SLC) radiative transfer model. In: ACRS 2011: proceedings of the 32nd Asian Conference on Remote Sensing: Sensing for Green Asia, 3-7 October 2011, Taipei, Tawain, pp. 327-333.
- **Nguyen Thi Thu Ha**, C.A.J.M. de Bie, Amjad Ali, E.A.M. Smaling (2012). Remote sensing-based method to map irrigated rice cropping patterns of the Mekong delta, Vietnam. In: proceedings of the International Conference on GMS 2020: Balancing Economic Growth and Environmental Sustainability, 20-21 February 2012, Bangkok, Thailand, pp. 235-244.

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience, and I am available to undertake the assignment in case of an award. I understand that any misstatement or misrepresentation described herein may lead to my disqualification or dismissal by the Organization.

Name	Signature	June 15th , 2021
Nguyen Thi Thu Ha