

Wouter VANHOVE

PUBLICATIONS

Peer Reviewed (A1)

1. Menggala, S.R., Vanhove, W., Aji Muhammad, D.R., Rahman, A., Speelman, S. & Van Damme, P. (2021). The Effect of Geographical Indications (GIs) on the Koerintji Cinnamon Sales Price and Information of Origin. *Agronomy* 2021, 11, 1410. <https://doi.org/10.3390/agronomy11071410>
2. Scheerens, C., Bekaert, E., Ray, S., Essuman, A., Mash, B., Decat, P., De Sutter, A., Van Damme, P., Vanhove, W., Lietaer, S., De Maeseneer, J., Madzimbamuto, F. & Ruyssen, I. (2021). Family physician perceptions of climate change, migration, health, and healthcare in sub-Saharan Africa: an exploratory study. *International Journal of Environmental Research and Public Health*, 18, 6323.
3. Kibungu Kembelo, P., Nzuki, B.F., Belesi, K.H., Vanhove, W. & Van Damme, P. (2020). Ethnobotanical characterization of medicinal plants used in Kisantu and Mbanza-Ngungu territories, Kongo-Central Province in DR Congo. *Journal of Ethnobiology and Ethnomedicine*, 17(5) <https://doi.org/10.1186/s13002-020-00428-7>.
4. Kenfack Essougong, U.P., Slingerland, M., Mathé, S., Vanhove, W., Tata Ngome, P.I., Boudes, P., Giller, K.E., Woittiez, L.S. & Leeuwis, C. (2020) Farmers' Perceptions as a Driver of Agricultural Practices: Understanding Soil Fertility Management Practices in Cocoa Agroforestry Systems in Cameroon. *Human Ecology*, <https://doi.org/10.1007/s10745-020-00190-0>.
5. Scheerens, C., Ruyssen, I., Ray, S., De Sutter, A., Vanhove, W., Bekaert, E., Mash, B., Decat, P. & De Maeseneer, J. (2020). Tackling adverse health effects of climate change and migration through inter-sectoral capacity building in Sub-Saharan Africa. *British Journal of General Practice*. doi: [10.3399/bjgpopen20X101065](https://doi.org/10.3399/bjgpopen20X101065)
6. Vanhove, W., Yao, R.K., N'Zi, J.C., N'Guessan Toussaint, L.A., Kaminski, A., Smagghe, G. & Van Damme, P. (2020). Impact of insecticide and pollinator-enhancing substrate applications on cocoa (*Theobroma cacao* L.) cherelle and pod production in Côte d'Ivoire. *Agriculture Ecosystems and Environment*, 293, 106855. <https://doi.org/10.1016/j.agee.2020.106855>
7. Menggala, S.R., Vanhove, W., Aji Muhammad, D.R., Hendri, J., Speelman, S. & Van Damme, P. (2019). Sustainable Harvesting of *Cinnamomum burmannii* (Nees & T. Nees) Blume in Kerinci Regency, Indonesia. *Sustainability*, 11, 6709; doi:10.3390/su11236709.
8. Vanhove, W., N'Guessan Toussaint, L.A., Kaminski, A. & Van Damme, P. (2019). Evaluation of cocoa mirid (*Distantiella theobroma* Dist. and *Sahlbergella singularis* Hagl.) control practices in Côte d'Ivoire. *African Journal of Agricultural Research*, 14(35), 2006-2016. doi: 10.5897/AJAR2019.14056
9. Vanhove, W., Feng, Y., Yu, M., Hafiz, I.O., Vanhoudt, N., Van Damme, P. & Zhang, A. (2019). Evaluation of attract-and-kill strategy for management of cocoa pod borer, *Conopomorpha cramerella*, in Malaysia cocoa plantation. *International Journal of Pest Management*. doi: 10.1080/09670874.2019.1578003.
10. Yelome, I.O., Audenaert, K., Landschoot, S., Dansi, A., Vanhove, W., Silue, D., Van Damme, P. & Haesaert, G. (2018). Analysis of population structure and genetic diversity reveals gene flow and geographic patterns in cultivated rice (*O. sativa* and *O. glaberrima*) in West Africa. *Euphytica*, *Euphytica*, 214:215. doi: 10.1007/s10681-018-2285-1.

11. Bedeke, S.B., Vanhove, W., Gezahegn, M., Natarajan, K. & Van Damme, P. (2018). Adoption of climate change adaptation strategies by maize-dependent smallholders in Ethiopia. *NJAS – Wageningen Journal of Life Sciences*, 88, 96-104. <https://doi.org/10.1016/j.njas.2018.09.001>
12. Bedeke, S.B., Vanhove, W., Wordofa, M.G., Natarajan, K. & Van Damme, P. (2018). Perception of, and response to climate change by maize-dependent smallholders. *Climate Research*, 73(3), 261-275, doi: 10.3354/cr01524
13. Bedeke, S.B., Vanhove, W., Wordofa, M.G., Natarajan, K. & Van Damme, P. (2018). Vulnerability to climate change among maize-dependent smallholders in three districts of Ethiopia. *Environment Development and Sustainability*. doi: 10.1007/s10668-018-0215-y
14. Yelome, I.O., Audenaert, K., Landschoot, S., Dansi, A., Vanhove, W., Silue, D., Van Damme, P. & Haesaert, G. (2018). Combining High Yields and Blast Resistance in Rice (*Oryza spp.*): A Screening under Upland and Lowland Conditions in Benin. *Sustainability*, 10, 2500. doi:10.3390/su10072500
15. Yelome, O.I., Audenaert, K., Silue, D., Dansi, A., Vanhove, W., Landschoot, S., Van Damme, P. and Haesaert, G. (2018). Exploring genetic diversity and disease response of cultivated rice accessions against *Pyricularia oryzae* under rainfed upland conditions in Benin. *Genetic Resources and Crop Evolution*, 65(6), 1615-1624. doi: 10.1007/s10722-018-0638-1
16. Vanhove, W., Cuypers, E., Bonneure, A.J., Gotink, J., Stassen, M., Tytgat, J. & Van Damme, P. (2018). The health risks of Belgian illicit indoor cannabis plantations. *Journal of Forensic Sciences*, 63(6), 1783-1789. doi: 10.1111/1556-4029.13788
17. Lachat, C., Raneri, J. E., Walker Smith, K., Kolsteren, P., Van Damme, P., Verzelen, K., Penafiel, D., Vanhove, W., Kennedy, G., Hunter, D., Odhiambo, F.O., N'Tandou-Bouzitou, G., De Baets, B., Ratnasakera, D., The Ky, H., Remans, R. & Termote, C. (2017). Dietary species richness as a measure of food biodiversity and nutritional quality of diets. *Proceedings of the National Academy of Sciences of the United States of America*, 115(1), 127-132. (impact factor: 9.661).
18. Cuypers, E., Vanhove, W., Gotink, J., Bonneure, A., Van Damme, P. & Tytgat, J. (2017). The use of pesticides in Belgian illicit indoor cannabis plantations. *Forensic Science International*, 277, 59-65. doi: 0.1016/j.forsciint.2017.05.016
19. Vanhove, W., Maalsté, N. & Van Damme, P. (2017). Why is it so difficult to determine the yield of indoor cannabis plantations? A case study from the Netherlands. *Forensic Science International*, 276, E20-E29. doi: 10.1016/j.forsciint.2017.03.018
20. Nzuki, B.F., Vanhove, W., Termote, C. & Van Damme, P. (2016). Importance of traditional protected areas for the collection of medicinal plants, Kongo-Central (DRC). *African Journal of Ecology*, doi: 10.1111/aje.12307
21. Vanhove, W., Vanhoudt, N. & Van Damme, P. (2016). Effect of shade tree planting and soil management on rehabilitation success of a 22-year-old degraded cocoa (*Theobroma cacao* L.) plantation. *Agriculture Ecosystems and the Environment*, 219, 14-25. 10.1016/j.agee.2015.12.005
22. Vanhove, W., Vanhoudt, N. & Van Damme, P. (2016). Biocontrol of Vascular Streak Dieback (*Ceratobasidium theobromae* P.H.B. Talbot & Keane) on cacao (*Theobroma cacao* L.) through induced

- systemic resistance and direct antagonism. *Biocontrol Science and Technology*, 26(4), 492-503. doi: 10.1080/09583157.2015.1128527
23. Vanhove, W., Vanhoudt, N., Bhanu, K.R.M., Abubeker, S., Feng, Y., Yu, M. & Van Damme, P. (2015). Geometric isomers of sex pheromone components do not affect attractancy of *Conopomorpha cramerella* in cocoa plantations. *Journal of Applied Entomology*, 139, 660-668. 1-12. doi: 10.1111/jen.12212
 24. Vanhove, W. and Van Damme, P. (2013). Value chains of cherimoya (*Annona cherimola* Mill.) in a centre of diversity and its on-farm conservation implications. *Tropical Conservation Science*, 6(2), 158-180
 25. Surmont, T., Vanhove, W., De Ruyver, B. & Van Damme, P. (2014). Filling in the blanks. An estimation of illicit marijuana growers' profits in Belgium. *International Journal of Drug Policy*, 25, 436-443. doi:10.1016/j.drugpo.2014.01.020
 26. Teka, A., Rondevaldova, J., Asfaw, Z., Demissew, S., Van Damme, P., Kokoska, L. & Vanhove, W. (2015). *In vitro* antimicrobial activity of plants used in traditional medicine in Gurage and Silti Zones, south central Ethiopia. *Complementary and Alternative Medicine*, 15(286), 1-7. doi: 10.1186/s12906-015-0822-1
 27. Vanhove, W., Surmont, T., Van Damme, P. & De Ruyver, B. (2012). Yield and turnover of illicit indoor cannabis (*Cannabis* spp.) plantations in Belgium. *Forensic Science International*, 220(1-3), 265-270. doi: 10.1016/j.forsciint.2012.03.013
 28. Vanhove, W., Van Damme, P. & Meert, N. (2011). Factors determining yield and quality of illicit indoor cannabis (*Cannabis* spp.) production. *Forensic Science International*, 212(1-3), 158-163. doi: 10.1016/j.forsciint.2011.06.006

Peer reviewed (A2 - international journals)

1. Penafiel, D., Vanhove, W., Espinel, R. & Van Damme, P. (2019). Food biodiversity includes both locally cultivated and wild food species in Guasaganda, Central Ecuador. *Journal of Ethnic Foods*, 6, 25. doi: 10.1186/s42779-019-0021-7
2. Vanhove, W. & Van Damme, P. (2009). Marketing of Cherimoya in the Andes for the Benefit of the Rural Poor and as a Tool for Agrobiodiversity Conservation. In: Jaenicke H., Ganry J., Höschle-Zeledon I. and Kahane R. (eds.). Underutilized Plants for Food, Nutrition, Income and Sustainable Development. Proceedings of International Symposium held in Arusha, Tanzania, 3-7 March 2008. Acta Horticulturae 806. International Society for Horticultural Science. Leuven, Belgium, 497 – 504.

Peer Reviewed (A3 – national journals)

1. Vanhove, W. (2020). Cocoa cultivation: new challenges for the 21st century. *Koninklijke Academie voor Overzeese Wetenschappen (KAOW)*. *Bulletin des Séances/Mededelingen der Zittingen*, 66.

Other Papers (A4)

1. Vanhove, W. (2015). Better safe than sorry. Handels- en investeringsonderhandelingen met de VS zetten het voorzorgsprincipe onder druk. *Oikos*, 72(4), 62-68

2. Vanhove, W. (2016). Agro-ecologische analyse van ggo's in mondiale landbouw- en voedselsystemen. Oikos, 76(1), 63-78.
3. Vanhove, W. (2019). Bevrijdende grenzen. Boekbespreking van 'Limits' (Grenzen) (Kallis, 2019). Oikos, 93(1), 82-86
4. Dumortier, M. & Vanhove, W. (2021). We hebben weer meer boeren nodig. Over de wedloop tussen voedselproductie en biodiversiteit. Oikos, 98(2), 21-35
5. Serneels, S., Welvaert, M. & Vanhove, W. (2021). Na het virus: tijd en opportuniteit voor een agro-ecologische doorstart in het Zuiden. Oikos, 98(1), 61-76

Books

Books – B1

1. Paredis, E., Goeminne, G., Vanhove, W., Maes, F. & Lambrecht, J. (2004). The Concept of Ecological Debt: its Meaning and Applicability in International Policy. Academia Press, Gent, 280 p.
2. Vanhove, W. (2008). Descriptores para Chirimoya (*Annona cherimola* Mill.). Bioversity International, Rome
3. Vanhove, W., Van Damme, P., Surmont, T., van Puyebroeck, L. & De Ruyver, B. (2012). YILCAN: yield of illicit indoor cannabis plantations. Academia Press, Gent, Science and Society Series, 138 p.

Chapters in Books – B2

1. Lojka, B., Pawera, L., Kalousová, M., Bortl, L., Verner, V., Houška, J., Vanhove, W. & Van Damme, P. (2017). Multistrata Systems: Potentials and Challenges of Cocoa Based Agroforests in the Humid Tropics. pp. 587 - 628 in: Dagar, J.C. & Tewari, V.P. (eds.). Agroforestry, Springer Nature, Singapore. doi: 10.1007/978-981-10-7650-3_23
2. Claus, G., Vanhove, W., Van Damme, P. & Smagghe, G. (2018). Challenges in Cocoa Pollination – the Case of Côte d'Ivoire. InTechOpen, doi: 10.5772/intechopen.75361

Posters

1. De Groote, S., Sabbe, S., Vanhove, W. and Van Damme, P. (2007). Een vruchtbare toekomst, veelbelovende fruitsoorten uit de tropen. Agriflanders, Expo Gent, 11-14 januari 2007.
2. Vanhove, W. & Van Damme, P. (2008). Characterization, Conservation and Use of Cherimoya (*Annona cherimola* Mill.) in Ecuador, Peru and Bolivia. International Symposium on Underutilized Plants for Food Security, Nutrition, Income and Sustainable Development, 3-6 March 2008, Arusha, Tanzania.

Scientific Reports

1. Vanhove, W. & Van Damme P. (2006). Development of a set of informative microsatellite markers for fingerprinting and diversity studies. Deliverable 3 of Project CHERLA (Promotion of sustainable cherimoya production systems in Latin America through the characterisation, conservation and use of local germplasm diversity). Sixth Framework Programme, STREP, Thematic Priority: FP6-2003-INCO-DEV-2
2. Vanhove, W. & Van Damme P. (2007). Selection of informative traits. Deliverable 1 of Project CHERLA. Idem.
3. Vanhove, W. & Van Damme P. (2007). Evaluation of Financial Economic Damage Due to Pests. Deliverable 13 of Project CHERLA. Idem.
4. Vanhove, W. & Van Damme P. (2008). Optimization of fruit commercialization and marketing. Deliverable 13 of Project CHERLA. Idem.

5. Vanhove, W. (2008). Opportunities offered by Fair Trade markets for Guyana's Agricultural Diversification Export Strategy. The Ministry of Agriculture, Georgetown, Guyana and The Project Management Unit of the TradeCom Facility, ACP Group Program financed by the European Development Fund, Brussels, Belgium. European Commission: Project number 9.ACP.RPR.007, Contract number: 37/TA/TradeCom/P43
6. Vanhove, W. (2008). Branding "Guyana" as part of its Agricultural Diversification Export Strategy. Idem.
7. Vanhove, W. (2008). Private Sector Standards: Obstacles and Opportunities for Guyana's Agricultural Diversification Export Strategy. Idem.
8. Vanhove, W., Van Damme, P., Surmont, T. Van Puyenbroeck, L. & De Ruyver, B. (2011). Determination of the yield of an illicit indoor cannabis plantation (YILCAN). Final Report. Belgian Science Policy (BELSPO) Research Program in support of the Federal Policy Memorandum 'Drugs', Project nr. DR/02/056
9. Smith, K.W., Bronselaer, A., De Baets B., De Tre, G., Van Camp, J., Van Damme, P., Vanhove, W., Lachat, C. (2014). Scoping study to determine the data sources on biodiversity in diet and food intake. Final Report. Ghent University and Bioversity International.
10. Vanhove, W., Cuypers, E., Van Damme, P. & Tytgat, J. (2017). HILCAN: Hazards of illicit cannabis cultivation for public and intervention staff. Final Report. Belgian Science Policy (BELSPO) Research Program in support of the Federal Policy Memorandum 'Drugs', Project nr. DR/00/067.
11. De Geest, P.J., Vanhove, W. & Van Damme, P. (2018). Creating database of useful African Plant species.