

# LYDA HOK, Ph.D.

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## EDUCATION

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- 2011 – 2014 Ph.D. in Energy and Environmental Systems (Environmental Soil Science), North Carolina A&T State University, USA
- 2013 – 2014 Sandwich Ph.D. Program in Agronomy (Soil Use and Management), State University of Ponta Grossa, Brazil
- 2007 – 2009 Master of Science in Agronomy (Crop Production), Khon Kaen University, Thailand
- 2002 – 2006 Bachelor of Science in Agronomy, Royal University of Agriculture, Cambodia

## WORK EXPERIENCE

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- 2016 – Present Center Director, Center of Excellence on Sustainable Agricultural Intensification and Nutrition (CE SAIN), Royal University of Agriculture
- 2009 – Present Lecturer, Royal University of Agriculture
- 2011 – 2014 Graduate Research Assistant, North Carolina A&T State University
- 2009 – 2010 Local Expert, German Development Services (DED), now integrated into German Society for International Cooperation (GIZ), based at Royal University of Agriculture
- 2006 – 2007 Research Assistant, Royal University of Agriculture

## AWARDS

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- 2013 Wadaram Latamore Kennedy GPA 4.0 Scholar, North Carolina A&T State University
- 2011 – 2014 SANREM/USAID Scholarship Recipient for doctoral degree at North Carolina A&T State University
- 2007 – 2009 DIVERSEEDS/European Commission Scholarship Recipient for master's degree at Khon Kaen University
- 2002 – 2006 Royal Government of Cambodia Scholarship Recipient for bachelor's degree at Royal University of Agriculture

## PROJECT INVOLVEMENT

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- 2017 – Present Co-Principle Investigator, USAID-supported Horticulture Innovation Lab Project 'Multidimensional Trade-Off Analysis of Integrated Animal-Horticulture Farming Systems for Improved Smallholder Farmer Adoption Recommendations' led by Kansas State University, USA
- 2016 – Present Co-Principle Investigator, USAID-supported Sustainable Intensification Innovation Lab Project 'Women Agriculture Network (WAgN) Cambodia: Gender- and Ecologically-Sensitive Agriculture' led by Penn State University, USA
- 2014 – 2016 Co-Principle Investigator, USAID-supported Horticulture Innovation Lab Project 'Incentives and Markets for Vegetable Smallholders to Practice Water, Soil and Labor Saving Technologies in Cambodia and Nepal' led by North Carolina A&T State University, USA
- 2014 – 2016 Co-Principle Investigator, Agropolis Foundation-funded Project 'Innovative Pedagogical Resources in Conservation Agriculture in Southeast Asia' led by Centre de Coopération Internationale en Recherche Agronomique pour le Développement (CIRAD), France.
- 2012 – 2014 Co-Principle Investigator, USDA-NIFA-SPECA-funded project "Natuculture for Teaching and Recruiting High School Students to Major in Agriculture" led by North Carolina A&T State University, USA.

- 2010 – 2011 Research Associate, Collaborative SANREM CRSP/USAID-funded Project ‘Conservation Agriculture for Food Security in Cambodia and the Philippines’ led by North Carolina A&T State University, USA.
- 2010 – 2011 Co-Principle Investigator, Collaborative HortCRSP/USAID-funded Project ‘Safe Vegetation Production in Cambodia and Vietnam: Developing the HARE-Network to Enhance Farmer Income, Health, and the Local Environment, led by University of California, Davis, USA.
- 2010 – 2011 Project Assistant, Collaborative ACIAR-funded Project ‘Improved Rice Establishment and Productivity in Cambodia and Australia’ led by Department of Primary Industries, Australia.
- 2010 – 2011 Project Leader, French Solidarity Program (FSP)-funded Project ‘Soil Quality and Crop Productivity under Direct Seeding Mulch-based Cropping Systems’
- 2010 – 2011 Research Associate, Collaborative CARF-funded Project ‘Establishment of Reference Alley-cropping Systems of Fuel Wood Trees and Local Cash Crops under Rainfed Agriculture Conditions’ led by Group for the Environment, Renewable Energy and Solidarity (GERES), Cambodia.
- 2006 – 2007 Research Assistant, SIPAR-funded Project ‘Instigating Compost Research and Application Guidelines for Farmers’ led by Royal University of Agriculture

## PUBLICATIONS

- Le K.N., M.K. Jha, M.R. Reyes, J. Jeong, L. Doro, P.W. Gassman, **L. Hok**, S. Boulakia and J.C.M. Sá. 2018. Evaluating carbon sequestration for conservation agriculture and tillage systems in Cambodia using the EPIC Model. *Agriculture, Ecosystems and Environment* 251: 37-47.
- Hok L.**, J.C.M Sá, S. Boulakia, M.R. Reyes, V. Leng, R. Kong, F. Tivet, C. Briedis, D.C. Hartman, L.A. Ferreira, T. Magno and S. Pheav. Short-term conservation agriculture and biomass-C input impacts on soil C dynamics in a savanna ecosystem in Cambodia. *Agriculture, Ecosystems and Environment* 214: 54-67.
- Hok L.**, J.C.M Sá, M.R. Reyes, S. Boulakia, F. Tivet, V. Leng, R. Kong, C. Briedis, D.C. Hartman, L.A. Ferreira, T.M. Inagaki and P. Bressan. Sensitivity of labile soil organic carbon pools and soil enzymes to short-term conservation agriculture production systems in a savanna ecosystem in Cambodia . (Submitted to *Plant Biology and Biochemistry*)
- Le K.N., J. Jeong, M.R. Reyes, M.K. Jha, P.W. Gassman, L. Doro and **L. Hok**. EPIC model crop yield and biomass estimations for conservation systems in Cambodia. (Under review in *Agricultural Systems*)
- Hok L.**, J.C.M Sá, S. Boulakia, M.R. Reyes, V. Leng, R. Kong, F. Tivet, C. Briedis, R. Schimiguel, L.A. Ferreira and T. Magno. Dynamics of soil aggregate-associated organic carbon under short-term conservation agriculture cropping systems. (To be submitted to *Soil and Tillage Research*)
- Hok L.**, D. Jothityangkoon and A. Polthanee. 2009. Yield and nutrient accumulation of KDML 105 rice as influenced by farmyard manure and wood vinegar. In: *Proceedings of Annual Agricultural Seminar, 26-27 January 2009, Khon Kaen University, Thailand.* pp. 368-372.
- Proongkong T., **L. Hok**, D. Jothityangkoon and K. Dejbhimol. 2009. Fertilizer management and seed quality of KDML 105 rice. In: *Proceedings of Annual Agricultural Seminar, 26-27 January 2009, Khon Kaen University, Thailand.* pp. 270-273.
- Keo K., D. Chin, S. Ro and **L. Hok**. 2007. *Field Guide to Compost Production and Use.* 3D Graphics Publishing, Cambodia. 24 pp
- Chuong S., V. Sok, B. Soy, S. Ro, **L. Hok** and O. Yoesi. 2006. Effects of rice husk charcoal application on growth and yield of rice: A preliminary study in Cambodia. *Japanese Journal of Tropical Agriculture* 50 (Extra issue 2): 5-6.