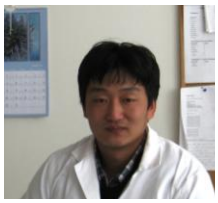
Sergey Hegay



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Oct. 2013- Present	National Academy of Sciences of the Kyrgyz Republic.
Previously	Swedish University of Agricultural Sciences (SLU), Swedish International Development Agency in Kyrgyzstan (Sida).
Education	Swedish University of Agricultural Sciences (SLU), Kyrgyz National Agrarian University (KNAU)

Background

Conservation and use field crops as well rare, unique, wild relatives, medicinal plants at present time has interest for research Institutes, Breeding Stations, consumers with development biotechnology tools around the world. However, available potential is know and used for development rural people. I have experience with field crop evaluations (phenotyping and genotyping), sustainable use of genetic resources in crop improvement, plant breeding, metagenomic analysis in soil microorganisms, field plot technique and statistical analyses. During my 10 years of experience, I have been working with multicultural teams.

Professional experience

October 2013 – present Bishkek, Kyrgyzstan	**Biotechnology Institute of NAS KR** **Doctor of Philosophy: Plant Biotechnology.** My overall responsibility includes research and teaching on all levels in plant breeding, biotechnology and genetic resources as well involve in developing research projects.
Aug. 2013 – Nov. 2014 Bishkek, Kyrgyzstan	**Food and Agriculture organization of the United Nations (FAO-SEC)** **National Consultant** - National Consultant on Seed Economy and Marketing - National Consultant on Seed Sector Development Together with local and international agricultural specialists were review of Seed Policy document and developing strategy to improve seed sector in Kyrgyzstan
Jan. 2008 – June 2013 Alnarp, Skane, Sweden.	**Swedish University of Agriculture Sciences (SLU). Doctoral student.** Title of doctoral thesis "Diversity of beans grown in Kyrgyzstan and marker-aided breeding for resistance to *Bean common mosaic virus* and anthracnose". Breeding program on common beans and research was undertakings in several locations in Kyrgyzstan and Sweden. During that study period I did my PhD thesis research on Kyrgyz common beans diversity (phenotyping and genotyping), introducing resistant genes by using back-crossing program, selection lines with marker assistant selection (MAS) as well with using classical inoculation methods with different races of anthracnose, BCMV, identification distributed BCMV races in main grown by bean farmers in Kyrgyzstan. There were four research articles in four international journals (with impact factors) was result of my PhD study.
Dec. 2005 – Dec. 2009 Bishkek, Kyrgyzstan.	**Swedish International Cooperation Development Agency (Sida)** **Seed farm specialist in project "Support to Seed Industry in Kyrgyzstan".** Collecting and analyzing agriculture data. Organizing demonstration plots with different field crops in several locations and helping with organization meeting with farmers, local and foreign seed companies. Together with colleagues, we wrote five articles and four handbooks.
Sep. 2000 - Sep. 2005 Bishkek, Kyrgyzstan	**Kyrgyz National Agrarian University (KNAU)** **Both B.S & M.S. he received at KNAU.** M.S. thesis title "Phenotyping of introduced ICARDA wheat germplasm at Crop Research Institute in Chui valley".