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Professional Qualification

Ph.D. in Crop Physiology. University of Agricultural Sciences, GKVK, Bangalore, India.

M.Sc. in Crop Physiology, University of Agricultural Sciences, Bangalore, India



Work experience

- Research Associate – Kansas State University, US, July 2015-Till date
- Project Scientist, Micronutrient and heavy metal uptake, Soil Science, CESD, IRRI, Philippines April 2014 –April 2015
- Postdoctoral Fellow, Soil Science, CESD, IRRI, Philippines Oct 2009-March 2013
- Postdoctoral Fellow, drought physiology, CESD, IRRI, Philippines Dec 2006-Dec 2008

Publications

- Tuyogon DSJ, **Impa SM**, Castillo OB, Larazo W, Johnson-Beebout SE. 2016. Enriching rice grain zinc through zinc fertilization and water management. *Soil Science Society of America Journal*, 121-134
- Izquierdo M, **Impa SM**, Johnson-Beebout SE, Weiss DJ, Kirk GJD. 2015. Measurement of isotopically-exchangeable Zn in Zn-deficient paddy soil. *European Journal of Soil Science*. doi:10.1111/ejss.12303.
- Inez H. Slamet-Loedin, **Beebout SE**, **Somayanda IM**, Nikolaos Tsakirpaloglou. 2015. Enriching rice with Zn and Fe while minimizing Cd risk. *Frontiers in Plant Sciences*, 6:121.
- **Impa SM**, Morete MJ, Ismail AM, Schulin R, Johnson-Beebout SE. 2013. Zn uptake, translocation and grain Zn loading in rice (*Oryza sativa* L.) genotypes selected for Zn deficiency tolerance and high grain Zn. *Journal of Experimental Botany*, 64:2739–2751.
- **Impa SM**, Gramlich A, Tandy S, Schulin R, Frossard E, Johnson-Beebout SE. 2013. Internal Zn allocation influences Zn deficiency tolerance and grain Zn loading in rice (*Oryza sativa* L.). *Frontiers in Plant Science*, 4:534.
- Mabesa RL, **Impa SM**, Grewal D, Johnson-Beebout SE. 2013. Contrasting grain-Zn response of biofortification rice (*Oryza sativa* L.) breeding lines to foliar Zn application. *Field Crops Research*, 149: 223-233.
- Rose TJ, **Impa SM**, Rose MT, Pariasca-Tanaka J, Mori A, Heuer S, Johnson-Beebout SE, Wissuwa M. 2013. Enhancing phosphorus and zinc acquisition efficiency in rice: a critical review of root traits and their potential utility in rice breeding. *Annals of Botany*, 112: 331-345.
- Qin J, **Impa SM**, Tang Q, Yang S, Yang J, Tao Y, Jagadish SVK. 2013. Integrated nutrient, water and other agronomic options to enhance rice grain yield and N use efficiency in double-season rice crop. *Field Crops Research*, 148:15-23.
- **Impa SM**, Johnson-Beebout SE. 2012. Mitigating zinc deficiency and achieving high grain Zn in rice through integration of soil chemistry and plant physiology research. *Plant and Soil*, 361: 3-41.