Dr. Sarma Mallubhotla: Publications

Norman Kwikiriza, Fred Grant, Joyce Maru, **Sarma Mallubhotla,** Wells Kumwenda, Abdul Naico, Paul Demo, David Obisesan. A qualitative assessment of the adoption and impact of orange-fleshed sweetpotato (OFSP) technologies on food security, nutrition and livelihoods in Sub-Saharan Africa (SSA). An abstract presented at the 19th Triennial Symposium of International Society for Tropical Root Crops (ISTRC) 21- 25 November, 2022. Nairobi, Kenya.

Putri E. Abidin, Edward Carey, **Sarma Mallubhotla** and Keith Sones
Sweetpotato System Cropping Guide - a Manual Published by: Africa Soil Health Consortium (ASHC) & Center for Agriculture and Biosciences International (CABI) 2017.

Sarma Mallubhotla, Olatunji Sonoiki, Stephanie Okpere, Dami Sonoiki, Abubakar Mohammed, Badriyya Yusuf , Ayodele Adeyemo. *E-Tools for Agriculture, Food, Nutrition and Health Delivery Systems in West and Central Africa.* A paper presented at ICRISAT-IITA-CDA/Bayero University Kano (BUK) "Future Resilient Farming Systems for Semi-Arid West and Central Africa" International Workshop 27 - 29 September 2016, Centre for Dryland Agriculture/BUK, Kano, Nigeria.

C. M. Monreal, M. DeRosa, **S. C. Mallubhotla,** P. S. Bindraban and C. Dimkpa
Nanotechnologies for increasing the crop use efficiency of fertilizer-micronutrients.
Biol. Fertil. Soils (2016) 52:423–437.

C. M. Monreal, M. DeRosa, **S. C. Mallubhotla,** P. S. Bindraban and C. Dimkpa (2015) The application of Nanotechnology for micronutrients in soil-plant systems. VFRC Report 2015/3, Washington DC. USA.

Campilan, D M., Attaluri, S., **Mallubhotla, S.,** and Surya AV**.** Sweetpotato Consumption in Orissa, India and implications for Nutrition & Livelihood improvement**.** (2009) paper presented at the 15th Triennial ISTRC Symposium, Lima, Peru, 2-6 November 2009.

Mallubhotla, S., Biofortification of staple food crops: a sustainable agricultural approach for addressing micronutrient malnutrition" (2007) – *a state-of-the-art paper prepared for Micronutrient Initiative, Ottawa*

Gustafson, V., **Mallubhotla, S.**, Mac Donnell, J., Sanyal-Bagchi, M., Chakravarty, B., Wang-Pruski, G., Rothwell, C., Audy, P., DeKoeyer, D., Siahbazi, M., Flinn, B., and Regan, S. (2006). Transformation and Plant Regeneration from Leaf Explants of *Solanum tuberosum* L. cv. 'Shepody'. Plant Cell, Tissue and Organ Culture 85: 361-366.

Regan, S., Gustafson, V., **Mallubhotla, S.,** Chakravarty, B., Bagchi, M., Siahbazi, M., Rothwell, C., Sardana, R., Goyer, C., Audy, P., Li, X.-Q., Wang-Pruski, G., De Koeyer, D., and Flinn, B.(2006) Finding the perfect potato: using functional genomics to improve

disease resistance and tuber quality traits. Canadian Journal of Plant Pathology 28, Number S1:S247-S255.

B. Chakravarty, V. Gustafson, **S. Mallubhotla**, M. Bagchi, G. Wang-Pruski, B. Flinn and S. Regan (2004) Generation of Activation-tagged mutant lines of cultivated potato. Abstract presented in a conference of North-East Potato Technology Forum in Prince Edward Island (PEI), March 9-10, 2004.

B. Flinn, V. Gustafson, M. Lague, C. Rothwell, P. Audy, D. De Koeyer, C. Goyer, X. Li, G. Wang-Pruski, B. Chakravarty, **S. Mallubhotla,** M. Bagchi, and S.Regan.
The Canadian Potato Genome Project. 2004, Plant and Animal Genome XII, San Diego, USA

V. Gustafson, **S. Mallubhotla**, B. Chakravarty, M. Bagchi (Sanyal), Mojgan Siahbazi, Jennifer MacDonnell, G. Wang-Pruski, B. Flinn, and S.Regan.(2004) Canadian Potato Genome Project: creating activation tagged lines of cultivated potato. Abstract presented in International Association for Plant Tissue Culture & Biotechnology (IAPTC & B)-Canadian Section Meeting, Nova Scotia Agricultural College, Truro, NS, August 2-5, 2004.

Bose Bandana & **Mallubhotla, S** (2000) Influence of maize seed treatment with nitrates on nitrogen economy and nitrogen pollution. Indian J. Plant Physiol., Vol. 5, No.1: 93-95 (Jan-Mar., 2000)

Mallubhotla, S (1997) Rapid in vitro clonal propagation of cabbage F1 hybrid 'Kranti' through shoot tip culture. Paper presented in National Seminar on "Plant Physiology for Sustainable Agriculture". March 19-21, 1997, New Delhi, India.

Mallubhotla, S (1996) Application of plant tissue culture techniques in commercialization of Horticulture. Paper presented in National Seminar on "Scientific Research and Commercial View." August 29-31, 1996, Hyderabad, India.

Mallubhotla. S & Pandey R.M (1994) Assessment of morphological & physiological traits in F1 cabbage plants multiplied from *in vitro* clonal propagation technique. Paper presented in National Seminar on "Newer Challenges in Agriculture, Horticulture & Industry: The role of Physiologist & Biochemist" Jan 11-13, 1994, Bangalore, India.

Bose Bandana, **Mallubhotla.S,** and Raghuvanshi A.K (1993) Effect of urea and nitrates of Mg2+, Ca2+ and K+ on some physio-morphological parameters of *Zea mays* L. *Indian Biologist* **25** No.2: 15-23.

Mallubhotla. S, (1993) *In vitro* Multiplication of F1 hybrids in cabbage (*Brassica oleracea* L. var*. capitata)* and tomato (*Lycopersicon esculentum* Mill.). Ph.D thesis submitted to the Department of Crop Physiology, University of Agricultural Sciences, Bangalore, India

Mallubhotla. S, (1987) Role of certain nitrates and urea in influencing the growth and nitrogen metabolism of maize (*Zea mays* L.). M.Sc., thesis submitted to the Department of Plant Physiology, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi, India.