

Abbreviated CV: Robert B. Mabagala

Robert B. Mabagala, Professor (Sokoine University of Agriculture (SUA), Morogoro, Tanzania), Adjunct Associate Professor (University of Minnesota, USA), Coordinator, African Seed Health Centre; Present employment status at SUA: 100 %.

Personal Data: Born February 16, 1953 Mwanza, Tanzania (56 yrs), Tanzanian, Professor of Plant and Seed Pathology (Bacteriology).

Education: **Ph.D.** (Plant Pathology) Michigan State February 1991, **M.Sc.** (Plant Pathology) Michigan State July 1987, **B.Sc.** (Agriculture) University of Dar-es-Salaam November 1983, **Diploma** (Crop Production) Ukiriguru July 1989.

Languages: Kiswahili (Excellent); English (Excellent); Jita (mother tongue), Kerewe.

Computer skill: Word, Power Point, Excel

Employment: **July 2004 – Todate, Professor**, Sokoine University of Agriculture (SUA), July 2000 – June 2004 **Associate Professor** (SUA), June 2002 – Todate **Adjunct Associate Professor**, University of Minnesota, USA.; July 1994 – June 2000 **Senior Lecturer**, February 1991 – June 1994 **Lecturer**, July 1986 – June 1991 **Assistant Lecturer**, January 1984 – June 1986 Tutorial Assistant.

Project Leadership: 2008 – Todate – Coordinator, ENRECA Project: Enhancement of research capacity to control and manage bacterial plant diseases in Eastern Africa; Member, steering Committee of ENRECA Project (above); **2002 – Todate** Coordinator African Seed Health Centre at SUA, Tanzania; DGISP-SUA Seed Pathology Course Transfer Programme; **2002 – 2003:** Regional Chair, East and Southern Africa Bean/Cowpea Collaborative Research Support Programme –USAID (Tanzania, Malawi, Mozambique, South Africa and USA); **October 1992 – Todate:** Leader, Bean/Cowpea Collaborative Research Support Programme – Sokoine University of Agriculture, University of Malawi, Washington State University, Oregon State University, University of California Davis and University of Minnesota; **January 1996 – 2005:** Country Coordinator- Capacity Enhancement Project (Seed Bacteriology) – Sokoine University of Agriculture/Danish Government Institute of Seed Pathology for Developing Countries/Horticulture Research Institute –Tengeru and Tanzania Official Seed Certification Institute (TOSCI) (DANIDA support); **2001 – 2003:** Principal Investigator- Grey Leaf spot of maize project – Aetiology, Ecology, Epidemiology and Management of Grey Leaf Spot in Tanzania (ASPS Support); **1996 – 1998:** Country Leader – Banana Sigatoka and *Fusarium* Wilt Project – International Mycological Institute/Natural Resources Institute, Greenwich UK and Sokoine University of Agriculture (ODA); 1992 – 1996: Coordinator, SADC/CIAT Common Bacterial Blight Sub-project (Malawi/Tanzania/Zimbabwe); 1979 – 1980: Coordinator, District World Bank Agricultural Extension Project, Kigoma Region.

Administrative duties: 2008 – Todate – Africa Representative: Advisory Committee of the Danish Seed Health Centre on Projects funded by DANIDA; **2005 – Todate:** Chairman and Sokoine University of Agriculture Representative on the Tanzania National Biological Control Agent Sub-Committee, **2004 – 2006:** Tanzania Representative – Technical Committee for Biotechnology, Bio-safety and Biotechnology Policy Development in Eastern Africa (BIO-EARN) (Ethiopia/ Kenya/Tanzania/ and Uganda; **October 1998 – June 1999:** Acting Dean, Faculty of Agriculture, Sokoine University of Agriculture, Morogoro, Tanzania; **1997 – 1998:** Associate Dean, Faculty of Agriculture, Sokoine University of Agriculture; **1991 – 1994:** Coordinator, Post-Graduate Studies Committee, Department of Crop Science, SUA; **1991 – 1993:** Secretary General – Sokoine University Academic Staff Association

(SUASA); **1991 – 1998**: Departmental Representative – Bureau for Agricultural Consultancy and Advisory Service (BACAS) Faculty of Agriculture; **1979 – 1980**: Acting District Agricultural Development Officer, Kasulu District, Kigoma Region, Tanzania.

Graduate student Supervision: Have supervised **7 Ph.D.** students, **14 M.Sc.** students and several undergraduate special research projects.

Selected (Most Current) Publications: R. B. Mabagala

1. Shenge KC, **RB Mabagala** and CN Mortensen. **2008**. Co-existence between neighbours: *Pseudomonas syringae* pv *tomato* and *Xanthomonas campestris* pv *vesicatoria*, incitants of bacterial speck and spot diseases of tomato. **Archives of Phytopathology and Plant Protection** 41(8):559-571.
2. Shenge KC, K Wydra, **RB Mabagala** and CN Mortensen. **2008**. Assessment of strains of *Pseudomonas syringae* pv *tomato* from Tanzania for resistance to copper and streptomycin. **Archives of Phytopathology and Plant Protection** 41(8): 572-585.
3. Shenge KC, K. Wadra, D. Stephan, **RB Mabagala** and C.N Mortensen. **2008**. Molecular characterisation of *Pseudomonas syringae* pv. *tomato* isolates from Tanzania. **Phytoparasitica** 36(4):338-351.
4. Kashina BD **Mabagala RB** and A.A. Mpunami. **2007**, Serological detection and variability of tomatto yellow leaf curl virus isolates from Tanzania. **Journal of Plant Protection Research** 47(4): 367-374.
5. Kashina, BD; **Mabagala, RB** and Mpunami AA. **2007**. Transmission properties of tomato yellow leaf curl virus from Tanzania. **Journal of Plant Protection Research** Vol 47 (1): 43-51.
6. Shenge KC, **R.B. Mabagala** and CN Mortensen. **2007**. Evaluation of locally available tomato varieties and introductions for resistance to bacterial speck and bacterial spot diseases in Tanzania. **Journal of Plant Protection Research** 47(2): 103-111.
7. Shenge KC; **Mabagala RB**; Mortensen CN; Stephen D; and K Wydra. **2007**. First report of bacterial speck of tomato caused by *Pseudomonas syringae* pv. *tomato* in Tanzania. **Plant Disease** 91(4):462.
8. Shenge KC; Wydra K; **Mabagala RB** and CN Mortensen. **2006**. Identification and characterisation of strains of *Xanthomonas campestris* pv. *vesicatoria* from Tanzania by pathogenicity tests, Biolog and sensitivity to antibiotics. **African Journal of Biotechnology** (In Press).
9. Kashina, BD; **Mabagala RB**; Mpunami AA; Jeske H and J. Jovel. **2006**. Genetic analysis of geminiviral DNA from yellow leaf curl diseased tomato (*Lycopersicon esculentum* Mill plants from Tanzania. **Archives of Phytopathology and Plant Protection**. (In Press).
10. Massomo, SMS; **Mabagala, RB**; Mortensen CN; Hockenhuil J and I Swai. **2005**. Cabbage production in Tanzania: challenges faced by small holder farmers in the

- management of black rot disease. **Journal of sustainable Agriculture** 26(4): 119-141.
11. Mkandawire, ABC; **Mabagala, RB**; Guzman, P; Gepts, P. and RL Gilbertson **2004**. Genetic diversity and pathogenic variation of common blight bacteria (*Xanthomonas campestris* pv *phaseoli* and *X. campestris* pv *phaseoli* var *fuscans*) suggests pathogen co-evolution with the common bean. **Phytopathology** **94**: 593 – 603.
 12. Massomo, SMS; Mortensen, CN; **Mabagala, RB**, Newman, MA and J. Hockenhull. **2004**. Biological control of black rot (*Xanthomonas campestris* pv *campestris*) of cabbage in Tanzania with *Bacillus* strains. **Journal of Phytopathology** **152** (2): 98 – 105.
 13. Kashina BD, **Mabagala RB** and AA Mpunami. **2003** Evaluation of tomato (*Lycopersicon esculentum* Mill) genotypes for resistance to the tomato yellow leaf curl Tanzania virus. **Archives of Phytopathology and Plant Protection** **37**(1): 1 – 8.
 14. Massomo, SMS; **Mabagala RB**; Swai I.S. Hockenhull J; and CN Mortensen. **2003**. Evaluation of varietal resistance in cabbage against the black rot pathogen, *Xanthomonas campestris* pv *campestris* in Tanzania. **Crop Protection** **23**: 315 – 325.
 15. Kashina, BD; **Mabagala RB** and Mpunami AA. **2003**. First report of *Ageratum conyzoides* L. and *Sida Acuta* BurmF. as new weed hosts of tomato yellow leaf curl Tanzania virus. **Plant Protection Science** **39** (1): 18 – 22.
 16. Kashina BD; **Mabagala RB** and AA Mpunami. **2003**. Biomolecular relationships among isolates of tomato yellow leaf curl Tanzania virus. **Phytoparasitica** **31** (2): 188 – 199.
 17. Massomo, SMS; Nielsen H; **Mabagala, RB**; Mansfeld-Giese, K; Hockenhull, J and CN Mortensen. **2003** Identification and characterisation of *Xanthomonas campestris* pv *campestris* by pathogenicity tests, Biolog, rep-PCR and FAME analysis. **European Journal of Plant Pathology** **109**:775-789.
 18. Kashina BD, **Mabagala RB** and A. Mpunami. **2002**. Reservoir weed hosts of tomato yellow leaf curl Begomovirus from Tanzania. **Archives of Phytopathology Pflanz** **35**(4): 269-278.
 19. Kashina BD, **Mabagala RB** and A. Mpunami. **2002**. Molecular characterisation of isolates of tomato yellow leaf curl virus from Tanzania. **Archives of Phytopathology Pflanz** **35**(4): 255-267.
 20. **Mabagala RB**. **2002**. Sunflower rugose mosaic and sunflower yellow ringspot viral complex in Tanzania. **Plant Pathology Newsletter (Tanzania)** Vol **1**(2):2-3.
 21. Kaaya N, **Mabagala RB** and CN Mortensen. **2002**. Seed borne bacterial diseases of tomato and their management. **Plant Pathology Newsletter (Tanzania)** Vol **1**(2):6-7.
 22. Luzi-Kihupi A, Mlozi MRS, **Mabagala RB**, Mushobozy DK and S. Nchimbi-Msolla. **2000**. Occurrence of rice yellow mottle virus in Tanzania. **Tanzania Journal of Agricultural Sciences** **3**(2): 87-96.

23. Ijani ASM, **Mabagala RB** and S. Nchimbi-Msolla. **2000**. Efficacy of different control methods applied separately and in combination in managing root rot nematodes (*Meloidogyne* spp) in common beans. **European Journal of Plant Pathology** **106**: 1-10.
24. Ijani ASM, **Mabagala RB** and S. Nchimbi-Msolla. **2000**. Root knot nematode species associated with beans and weeds in the Morogoro region, Tanzania. **African Plant Protection** **6(2)**: 37- 41.
25. Myers JR, Mink GA and **RB Mabagala**. **2000**. Surveys for the bean common necrosis virus in East Africa. **Bean Improvement Cooperatives (BIC)** **43**:13-14.
26. Luzi-Kihupi A, **Mabagala RB**, and CN Mortensen. **1999**. Occurrence of *Acidovorax avenae* in rice seed in Tanzania. **African Plant Protection** **5 (1)**: 55 – 58.
27. **Mabagala RB**. **1999**. Epiphytic bacteria from various bean genotypes and their potential for biocontrol of *Xanthomonas axonopodis* pv. *phaseoli*. **Tanzania Journal of Agricultural Sciences** **2(1)**: 19 – 26.
28. Luzi-Kihupi A, **Mabagala RB** and CN Mortensen. **1999**. Isolation and characterisation of seed-borne pathogenic bacteria from rice (*Oryza sativa* L.) in Tanzania. **Tanzania Journal of Agricultural Sciences** **2 (1)**: 71 – 80.
29. **Mabagala RB** and AP Maerere. **1998**. First report of pink fruit disease of pineapple in Tanzania. **Fruits** **53**: 235 – 240.
30. **Mabagala RB**. **1997**. The effect of populations of *Xanthomonas campestris* pv *phaseoli* in bean reproductive tissues on seed infection of resistant and susceptible bean genotypes. **European Journal of Plant Pathology** **103**: 175 – 181.