

MOSES T.K. KAIRO PH.D. DIC

PROFESSOR AND DEAN

School of Agricultural and Natural Sciences (SANS)
University of Maryland Eastern Shore (UMES)

EDUCATION

2011 – Fellow: Food System Leadership Institute (FSLI): Association of Public Land Grant Universities	Leadership Development
1997 - Ph.D.: University of London	Entomology
1989 - M.Sc. with Distinction: Imperial College, London	Applied Entomology
1989 - D.I.C Diploma of Imperial College:	Applied Entomology
1985 - B.Sc. First Class Honors: University of Nairobi	Zoology

PROFESSIONAL APPOINTMENTS

2012 - Present	Professor/Dean/Research Director, SANS-UMES.
2009 - 2012	Associate Research Director, Land Grant Programs, College of Agriculture and Food Sciences, Florida A&M University (CAFS-FAMU).
2009 - 2012	Professor of Entomology, CAFS, FAMU.
2005 - 2012:	Director, Center for Biological Control, CAFS, FAMU
2005 - 2009:	Associate Professor of Entomology, College of Engineering Sciences, Technology and Agriculture, FAMU
2003 – Present:	Courtesy Associate Professor, Department of Entomology and Nematology, University of Florida.
2001-2005:	Director/Regional Representative, CAB International, Caribbean and Latin America Regional Center, Trinidad and Tobago.
1996-2000:	Scientist-in Charge, CAB International - CABI Bioscience, Caribbean and Latin America Regional Center, Trinidad and Tobago.
1991-1996:	Entomologist and Project Sub-manager – International Institute of Biological Control (IIBC), UK Center, United Kingdom.
1989-1990:	Research Officer, Kenya Agricultural Research Institute (KARI).
1985-1989:	Assistant Research Officer, KARI.
1983-84:	Research Assistant (Part Time), University of Nairobi.

KEY SKILLS AND EXPERIENCES

1. Over 17 years' experience and knowledge in senior administrative and scientific leadership including over eight years in the land grant system.
2. Over 25 years' experience in research and development, outreach and teaching at the national and international levels including activities in at least 25 countries in Africa, Europe, Middle East, and North and South America.

RESEARCH INTERESTS

Biological control (implementation and policy), integrated pest management, invasive species biology and management, and international development.

GLOBAL ENGAGEMENT

I have travelled, carried out project activities and/or consultancies, attended conferences or visited over 42 countries/territories. As part of this, I have established enduring linkages and partnerships across the globe.

PROFESSIONAL MEMBERSHIPS

Life Member of the Entomological Society of Southern Africa
Member Entomological Society of America

RECENT RECOGNITION

- a. 2011 - USDA award for contributions to exploratory work on a major pest threat to the U.S.
- b. 2010 –Southern Region IPM Center: Annual Friends of IPM Award to the FAMU CBC Team Led by M. Kairo.

RECENT NATIONAL/INTERNATIONAL SERVICE/ADVISORY COMMITTEES AND EXPERT WORKING GROUPS

National/International (Recent)

2011	Co-Chair USDA APHIS Technical Working Group on Red Palm Weevil.
2008-Present	Member Association of 1890 Research Directors
2008-2009:	Chair S-1034, USDA CSREES South Eastern Regional Biological Control Project.
2008-Present:	Member of the External Advisory Committee for the Entomology and Nematology Department, University of Florida.
2006-present:	Grant Proposal Review/Panel for different programs at USDA-NIFA and USDA-ERS.
2003 - Present:	Member of the Caribbean Invasive Species Working Group.
2003-2005:	International Plant Protection Convention (IPPC) Expert Working Groups on revision of the 3 rd International Standard for Phytosanitary Measures (ISPM) and ISPM#2.

Major Recent Symposia and Conferences Organized (selected last three years)

Year	Symposium/Conference
2011	Co-organizers: Muhammad Haseeb, Terrence W. Walters, Moses Kairo. Web-based Digital Insect Identification: Our Progress, Challenges, And Opportunities. 59 th Annual Meeting of the Entomological Society of America, Reno, NV, November 13-16, 2011
2011	Key Organizer (Kairo, M.T.K. and Haseeb, M.) Invasive species in the Caribbean Basin of concern to the US. 2011 Entomological Society of America, South Eastern Branch Meeting, March 19-22, San Juan Puerto Rico.
2009	Key Organizer (Kairo, M.T.K.; Leppla, N and McEvoy, P) for Symposium entitled; “Integrating strategies for invasive species management: capacity, compatibility and operational changes” during the 6 th International IPM

- 2009 Co- Organizer (McEvoy, P; Kairo, M.T.K. and LeBeck, L.) for the S-1034/W-2185, Joint Meeting of the Western and South Eastern Regional Biological Control Projects, March 22-23, 2009, Portland Oregon
- 2009 3rd International Symposium on Biological Control of Arthropods, Christchurch, New Zealand (Feb 8-13 2009) (Regional Coordinator, Caribbean)
- 2008 Entomological Society of America, Program Symposium; An Entomological Perspective Addressing Challenges in the Developing World: New Frontiers in Food and Biosecurity. Reno, Nevada, November 16-19 2008. Organizers: Lambert H. B. Kanga; Moses Kairo; Sonja Brannon, Joseph E. Munyaneza, <http://www.entsoc.org/am/cm/theme/pr-symp.htm>

RECENT PUBLICATIONS (2011-2013)

1. **KAIRO M.T.K.**, Paraiso, O., Peterkin, D.D., and Gautam, R.D. 2013. *Cryptolaemus montrouzieri* (Mulsant) (Coccinellidae: Scymninae): A Review of Biology, Ecology, and Use in Biological Control with Particular Reference to Potential Impact on Non-Target Organisms. *CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources* 8, No. 005 1-20
2. Nagoshi, R. N., Paraiso, O., Brambila, J., and **KAIRO M.T.K.** 2013. Assessing the Usefulness of DNA Barcoding to Identify *Oxycarenus hyalinipennis* in Florida, a Potentially Invasive Pest of Cotton. *Florida Entomologist* 95: 1174-1181.
3. Paraiso, O., **KAIRO M.T.K.**, Hight, S., Leppla, N., Cuda, J., Olexa, M., and Owens, M. 2013. Opportunities for Improving Risk Communication during the Permitting Process of Entomophagous Biological Control Agents-Review of Current Systems. *BioControl* 58: 1-15.
4. Francis, A.W., **KAIRO**, M.T.K., Roda, A.L., Liburd, O.E. and Polar, P. 2012. The passion vine mealybug, *Planococcus minor* (Maskell) (Hemiptera: Pseudococcidae), and its natural enemies in the cocoa agro-ecosystem in Trinidad. *Biological Control* 60: 290-296.
5. Paraiso, O., Hight, S., **KAIRO, M.T.K.**, Bloem, S., Carpenter, J., and S. Reitz. 2012. Evaluation of Biological Parameters of *Trichogramma fuentesi*, an Egg Parasitoid of *Cactoblastis cactorum*. *Florida Entomologist* 95(1) 1-7.
6. Haseeb, M., Flowers, R.W. **KAIRO**, M.T.K. and Walters, T. 2011. Web based digital identification: Our progress, challenges and opportunities. *American Entomologist* 57 (4) 222-223.
7. Haseeb, M., **KAIRO**, M.T.K. and Flowers, R.W. 2011. New approaches and possibilities for invasive pest identification using web based tools. *American Entomologist* 57 (4) 223-226.
8. Fiaboe, K.K.M., Mankin, R.W., Roda, A.L., **KAIRO, M.T.K.** and Johanns, C. (2011) Pheromone-food bait trap and acoustic surveys of *Rhynchophorus ferrugineus* (Coleoptera: Curculionidae) in Curacao. *Florida Entomologist* 94 (4), 766-773.
9. Roda, A.; **KAIRO, M.**; Damian, T.; Franken, F.; Heidweiller, K.; Johanns, C.; Mankin, R.; (2011) Red palm weevil (*Rhynchophorus ferrugineus*), an invasive pest recently found in the Caribbean that threatens the region. *Bulletin OEPP/EPPO Bulletin*, 2011, 41, 2, pp116-121.
10. Kariuki, E.M., R. L. Hix, S. Reitz, S. Hight, **KAIRO, M.T.K.** 2011. Tropical Soda Apple (*Solanum viarum*) Mediated Competition Via Induced Resistance: Interaction between *Gratiana boliviana*, *Spodoptera exigua* and *Frankliniella occidentalis*. *Florida Entomologist*, 94 (3) 608-12.
11. Paraiso, O., Hight, S.D., **KAIRO, M.T.K.** and Bloem S. 2011. Egg parasitoids attacking *Cactoblastis cactorum* (Lepidoptera: Pyralidae) in North Florida. *Florida Entomologist*, 94 (1) 81-90.
12. Mankin, R.W., Hagstrum, D.W., Smith, M.T., Roda, A.L. and **KAIRO, M.T.K.** 2011. Perspective and Promise: a Century of Insect Acoustic Detection and Monitoring. *American Entomologist*, 57(1) 30-44.