

BIOGRAPHICAL SKETCH			
NAME Lucy Wachuhi Irungu, PhD		POSITION TITLE Professor, Medical Entomology and Parasitology	
EDUCATION/TRAINING			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
University of Nairobi	BSc (Hons)	1975-78	Entomology
Liverpool School of Tropical Medicine	MSc	1978-79	Medical Entomology and Applied Parasitology
Liverpool School of Tropical Medicine	PhD	1981-84	Medical Entomology
I.C.I.P.E. Research Center	Post-doc	1985-87	Molecular Biology of Trypanosomes

A. Positions and Honors

Professional Appointments

- 1971-1972 Research Associate in Reproductive Physiology, Department of Obstetrics and Gynecology, Vanderbilt University, Nashville, TN (1971-1972)
- 1988-1993 Lecturer, Department of Zoology, University of Nairobi
- 1993-1998 Senior Lecturer, Department of Zoology, University of Nairobi
- 1998-present Associate Professor, Department of Zoology, University of Nairobi

Selected Honors and Awards

- Mobil Oil Scholarship - To pursue B.Sc. degree. An award given to the best 1st year student in Faculty of Science
- Kenya Shell Prize - Awarded during 1st, 2nd and 3rd year for best performance in Faculty of Science
- Commonwealth Fund For Technical Co-Operation Scholarship - To pursue M.Sc. degree
- Association Of Commonwealth Universities Scholarship - To pursue Ph.D. degree

B. Educational and Institutional Experience

Selected Teaching & Mentoring

- 1988-present *Postgraduate courses taught:* M.Sc. Med/Vet Entomology, including SZL 515 - Principles of Arthropod Morphology and Classification; SZL 518 - Biology of Terrestrial Arthropods; SZL 533 - Insect Vectors of Human and animal diseases; SZL 534 - Non-insect Vectors of Diseases; SZL 535 - Medical and Veterinary non-vector Arthropods; SZL 524 - Laboratory Techniques. M.Sc. Parasitology, including SZL 571 – Protozoology; SZL 572 - Vector Biology; SZL 573 - Parasitological Techniques; SZL 577 - Epidemiology and Control of Parasitic Infections
- 1988-present *Undergraduate Courses taught:* AZL 101 - Zoology for Agriculture; SZL 101 - The Lower Invertebrates; SZL 102 - The Higher Invertebrates; SZL 203 - Cell Biology; SZL 304 - Field Course; SZL 401 - History & Philosophy of Biology; SZL 405 - Applied Entomology; SZL 406 – Protozoology; JWF 164 – Entomology
- 1999-2002 Secretary to the Academic Programmes section – Faculty of Science Income generating Unit
- 1999-2002 Revised curriculum for M Sc Entomology (with five options); Revised curriculum for M Sc Applied Parasitology
- Resource person for curriculum development of Postgraduate Training Programme on Parasitic Diseases and Vector Control at the Kenya medical Research Institute (KEMRI) for Eastern and Southern Africa (ESACIPAC) sponsored by JICA
- 1999-2000 Ag External Examiner – Undergraduate B.Sc. Jomo Kenyatta University of Science and Technology
- 1999-2003 External Examiner - Postgraduate M.Sc. in Entomology and Parasitology for Kenyatta University
- 2001-2003 External Examiner – Certificate, Diploma and Postgraduate Diploma courses on HIV/AIDS for Centre of Complimentary Medicine and Biotechnology, Kenyatta University
- 2004-present External Examiner – Postgraduate and Undergraduate courses Jomo Kenyatta University of Science and Technology
- 2004-present Board member, ICIPE Board of Training and Postgraduate Studies

- Dr. Irungu has mentored 28 pre-doctoral and Master's students

Selected Advisory Panels & International Activities

- 1999–2003 Joint Co-ordinator of the Universities of Nairobi and Sussex link during which time there was staff exchange for teaching and joint research, capacity building and acquisition of equipment and library books
 Research on Malaria Vectors and Insecticide Treated Nets Programme in Western Kenya in conjunction with Michigan State University, Centres for Disease Control and the Kenya Medical Research Institute, funded by the National Institute for Health, USA.
 Research on Transmission of Malaria and Insecticide Resistance in the Mosquito Vectors in Mbale, Kakamega District in collaboration with University of New York, Buffalo and the Kenya Medical Research Institute.
- 2005 External Examiner for Biological Sciences, University of Bostwana

C. Selected Relevant Publications (out of a total of 31 full papers)

- Awala,P., Mwangi,R.W, Irungu,L.W (1998). Laboratory evaluation of the efficacy of a anular formulation of acetone extract fraction of the crude extract of *Melia volkensii* (Gurke) on *Aedes aegypti* L. larvae. *Insect sci. Applic* vol 18. No. 3, pp 225-228.
- Kamau, L., Mukabana, W.R., Hawley, W.A., Lehmann, T., Irungu, L.W., Orago, A.A.S. and Collins, F.H. (1999) Analysis of genetic variability in *Anopheles arabiensis* and *Anopheles gambiae* using microsatellite loci. *Insect Molecular Biology* 8(2), 287-297.
- Mathenge, M., Gimnig, J.E., Kolczak, M., Ombok, M., Irungu, L.W., and Hawley, W.A. (2001) Effect of Permethrin-Impregnated Nets on Existing Behaviour, Blood Feeding Success and Time of Feeding of Malaria Mosquitoes (Diptera: Culicidae) in Western Kenya. *Journal of Medical Entomology* 38(4): 531-536.
- Onyango, D.O. and Irungu, L.W. (2002). A Simple Method for Storing Mosquito Bloodmeals for Human DNA Profiling. *Insect Sci. Applics.* Vol. 22 No. 2 pp. 155-158.
- Mathenge, E.M., Omweri, G., Irungu, L.W., Ndegwa, P.N., Walczak, E., Smith, T., Killen, G., Knols, B. (2004). Comparative Field Evaluation of the Mbita Trap, CDC Light Trap and the Human Landing Catch for Sampling of Malaria Vectors in Western Kenya. *American Journal of Tropical Medicine and Hygiene* 70(1), 33-37.
- Irungu, L.W., Kimani, R.N. and Kisia, S.M. (2004). Helminth Parasites in the Intestinal Tract of Indigineous Poultry in Parts of Kenya. *Journal of South African Veterinary Association* 75 (1):58-59
- Odiere, M., Irungu, L., Vulule, J., Bayoh,N., Gimnig, J., Hawley, W., Walker,E. (2005) Sampling resting *Anopheles gambiae* with clay pots. 54th American Society of Tropical Medicine and Hygiene Conference, Washington D. C, USA. (poster)
- Oketch, G.B.A., Irungu, L.W., Anjili, C.O. ,Munyua, J., Njagi, E.N.M., Rukunja, G. (2006). *In vitro* activity of the total aqueous ethanol leaf extracts of *Ricinus communis* (on *Leishmania major* promastigotes. *Kenya Journal of Sciences, SeriesA& B .Special Edition Vol. 1 No.1 pg1-4.*
- Okech, B.A, Irungu, L. W., and Cooper. J.E, (2006). Heliminthiasis in Free-Ranging Indigenous Poultry in Kenya. *Bull Anim. Hlth. Prod. Afri, Vol. 54, 92-99.*
- Mathenge, E.M., Misiani, G.O., Oulo,D.O., Irungu, L.W., Ndegwa, N.P., Killen,.G.K., and Knols, B. (2005). Comparative performance of the Mbita trap , CDC light trap and the human landing catct in the sampling of *Anopheles arabiensis*, *An. funestus* and culicine species in a rice irrigation in western Kenya. *Malaria Journal* , 4 : 1-7.
- Odiere, M., Bayoh,M.N, Gimnig,J., Vulule,J., Irungu,L.W., Walker,E. (2007). Sampling outdoor resting *Anopheles gambiae* and other mosquitoes (Diptera: Culicidae) in Western Kenya with clay pots. *Journal of Medical Entomology Vol.44,(1) pg 14-22.*
- Irungu, L.W, (2007). Neglected Tropical Diseases. *POST Vol 13 No 1 pg 1-3*
- Muriu, S.M, Shilulu J.I., Muturi E. J., Irungu L.W., Mwangangi J.M., Mukabana R.W., Jacob B.G., Githure J.I., and Novak R. J, (2008). Host choice and multiple blood feeding behavior of malaria vectors and other anophelines in Mwea rice irrigation scheme, Kenya. *Malaria Journal* 7:43.
- Edward, K. Githinji, Irungu, L.W, Tonui, W.K, Rukunga, G.M, Mutai, C., Muthaura,C.N, Lugalia, Reuben, Gikandi, G., Wainaina, C, W., Ingonga,J.M, and Wanjoya, A, (2008). Anti-leishmanial effects of *Warburgia ugandensis*, *Psiadia punctulata* and *Chasmanthera dependens*. Submitted to *Journal of Ethnopharmacology.*