



Dr. Fathiya Mbarak Khamis

Title/Qualification Doctor of Philosophy (PhD)
Department/Unit/Section BIOCHEMISTRY AND BIOTECHNOLOGY
Position LECTURER
Area of Specialization MOLECULAR BIOLOGY
Professional affiliation - AFFILIATED TO THE FOLLOWING MEMBER OF THE NEXT GENERATION OF ACADEMIC NETWORKS, KENYATTA UNIVERSITY.
<p>Research</p> <ul style="list-style-type: none"> • Barcoding of <i>Bactrocera</i> sp of fruit flies (on going research) • Studies on the morphological and genetic diversity of the new invasive species <i>Bactrocera invadens</i> in Africa • Biochemical changes in developing embryos of <i>Schistocerca gregaria</i> induced by pheromone produced by ovipositing gregarious females. <p>FELLOWSHIPS</p> <p>2006 African Biodiversity Information Centre (ABIC) fellowship for scientific visit at Royal Museum of Central Africa, Brussels, Belgium.</p> <p>2005-2009 German Academic Exchange Service (DAAD) – PhD fellowship</p> <p>2005-2009 African Regional Postgraduate Programme on Insect Science (ARPPIS)</p> <p>2002-2003 BioNet Africa MSc. Research Fellowship.</p>
<p>Funded Projects</p> <p>Capacitate East Africa EU-ACP S&T Project FED/2009/218788.</p> <p>Conferences/Seminars/Workshops</p> <ul style="list-style-type: none"> • NEXT GENERATION OF ACADEMICS NETWORK WORKSHOP, KENYATTA UNIVERSITY 15th JULY 2010. • TRAINING ON CLIENT ORIENTED BREEDING WORKSHOP 21ST – 25TH

JUNE, 2010, MASINDE MULIRO UNIVERSITY, KAKAMEGA, KENYA.

- EXECUTIVE COURSE ON RESEARCH INTO USE, BY AFRICAN CENTRE FOR TECHNOLOGY STUDIES (ACTS), ICRAF CAMPUS MARCH 15-17, 2010.
- SECOND FRUIT FLY PLANNING WORKSHOP, DARESALAM , TANZANIA 2009.
- INTERNATIONAL FRUIT FLY TAXONOMY WORKSHOP 2005, ICIPE, DUDUVILLE CAMPUS, KENYA.
- TRAINING WORKSHOP ON BIOINFORMATICS (COMPUTATIONAL BIOLOGY) AT THE INSTITUTE OF COMPUTER SCIENCE AT THE UNIVERSITY OF NAIROBI 24-25 SEPTEMBER 2002

Publications

F. M. Khamis, N. Karam, S. Ekesi, M. De Meyer, A. Bonomi, L. M. Gomulski, F. Scolari, P. Gabrieli, P. Siciliano, D. Masiga, E. U. Kenya, G. Gasperi, A. R. Malacrida and C. R. Guglielmino (2009) Uncovering the tracks of a recent and rapid invasion: the case of the fruit fly pest *Bactrocera invadens* (Diptera: Tephritidae) in Africa, *Molecular Ecology* (2009) **18**, 4798 – 4810.

F. Khamis, N. Karam, C. R. Guglielmino, S. Ekesi, D. Masiga, M. De Meyer, E. U. Kenya and A. R. Malacrida (2008) Isolation and characterization of microsatellite markers in the newly discovered invasive fruit fly pest in Africa, *Bactrocera invadens* (Diptera: Tephritidae), *Molecular Ecology Resources* (2008) **8**, 1509–1511.

Patents

Recognition/Awards

Icipe students paper competition, 2nd runners-up.