



CURRICULUM VITAE

1.0 Personal information

Name: Dr. Jonah Kiprono Birgen

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Languages: English, Kiswahili, Kalenjin

2.0 Qualifications

a) Academic

- (i) 2006: Doctor of Philosophy in Plant Pathology (Ph.D) Kenyatta University. Thesis title: Postharvest diseases of tomatoes in Kenya and their control by use of antagonistic organisms.
- (ii) 1988: M.Phil In Mycology and Plant Pathology – University of London and DIC Imperial College. Thesis title: Growth of *Fusarium solani* var *coeruleum* in the rhizosphere of potato, barley and broad bean.
- (iii) 1985: MSc in Mycology, University of Nairobi. Thesis title: Studies into the Pathology and Biology of Postharvest fungi of tomato fruits.
- (iv) 1979: B.Ed (science) Second Class Hon. Upper Division, University of Nairobi. Studied Botany, Zoology, Education.

b) Professional Courses

- (i) April 1st – 7th 2007: VicRes project proposal writing workshop held at Jinja Nile Resort, Uganda.

- (ii) Dec 1997 – Jan 1998: Training course on Plant and Animal Disease Diagnosis and Finger-Printing Plant Genotypes held at University of Nairobi and KARI.
- (iii) 1995: MSDN Bioinformatics Training Workshop held at National Museums of Kenya.
- (iv) 1987: Developing your skills as a lecturer (DYSAL) training at the University Of Sheffield, UK.
- (v) 1984: Training course on the techniques for the culture and conservation of microorganisms held at University of Nairobi.

3.0 Employment History

- (i) 1982: Joined Kenyatta University College as Graduate Assistant.
- (ii) 1985: Promoted to Tutorial Fellow
- (iii) 1989: Promoted to Lecturer.

4.0 Administrative Responsibilities.

(a) Past Departmental Responsibilities.

- (i) Departmental Timetabler
- (ii) Member and Secretary to Departmental Board of Postgraduate Studies.
- (iii) Academic Advisor to Undergraduates
- (iv) Member of Departmental Board of Undergraduate Studies.
- (v) Coordinator of Plant Pathology Section in the Department.
- (vi) Departmental Seminar Coordinator.

(b) Current Departmental Responsibilities

- (i) Departmental Examinations Coordinator
- (ii) Chairman, Departmental Examinations Moderation Committee.
- (iii) Member of Departmental Curriculum Review Moderation Committee.
- (iv) Member of the Dean's Grant and Scholarship Committee in the School of Pure and Applied Sciences.

5.0 Postgraduate Supervision.

(a) Completed MSc.

- (i) A taxonomic survey of Postharvest fungi on horticultural crops in Kenya – David Ondigo Ojwang', MSc 1996.
- (ii) Efficacy of Neem Kernel Cake Powder against *Fusarium* Wilt of Tomato – Kirugo Stanley, MSc 1999.

(b) Continuing: MSc.

- (i) Screening for resistance of *Fusarium oxysporum* spp. *phaseoli* in French Beans and Management Using Fungicides and Organic Matter. Wadeto L. Wachira. 156/CE/15608/05.
- (ii) Integrated Management of *Fusarium* wilt of tomatoes using Fungicides, Organic Matter and Neem Extract. Dishon Mugo Njiru (156/CE/13822/05).
- (iii) Pathogenic and Spoilage Microorganisms found in preserved Crustaceans and Fish sold in Mombasa as seafood. Odhiambo Josephine Anyango 156/CE/13030/05.
- (iv) Entomopathogenicity of hyphomycete fungi to fruit fly *Bactocera invadens* (**Diptera: Tepridae**) and their potential for biocontrol on mango: Elizabeth Ouna 156/11332/04.

6.0 CONFERENCES, SEMINARS AND WORKSHOPS.

6.1 Participation/Seminars/Workshops

- a) 2007: Relevance of intellectual property rights at institutions of higher Learning at AVU Hall, Kenyatta University on 6th & 7th November
- b) 2004: Second Regional Microbiology Conference held at Kenya School of Monetary Studies in Nairobi from 16th to 19th March
- c) 1996: Health Science Conference held at KEMRI headquarters in Nairobi , Kenya from 5th to 9th February
- d) 1983: East African Weed Science Society Conference held at Milimani Hotel, Nairobi

6.2 Presentation of papers at academic and professional conferences

a) Birgen J.K: Effects of stage of Maturity on susceptibility of tomato fruits to fungal pathogens, paper presented during the second regional Microbiology conference held at the Kenya school of Monetary studies on 16th to 19th March

b) Birgen, J.K, Cheruiyot, R.C, Omollo, J.F : The effects of some biotic agents on rice field weeds, paper presented during the East African Weed Science Society Conference held at Milimani Hotel, Nairobi in 1983

7.0 RESEARCH AND PUBLICATIONS

7.1 Articles in referee journals

1. Kimaru S.K, Birgen J.K, Waudu S.W, (2004): Effects on Neem Kernel cake powder (NKCP) on *Fusarium* wilt of tomato when used as soil amendment. Journal of Agricultural and Rural Development in the tropics and subtropics 105: 63-69
2. Birgen J.K, Siboe G.M and Subramonium V, 1982. Leaf- blotch and fruit rot of pomegranate. Plant protection bulletin FAO 30: 161-162.

8.0 PROJECT RESEARCH GRANTS

Project title: Enhancing Intergrated Pest and Diseases Management Strategies in the production of Green Gram in parts of Lake Victoria Basin

Time Span: 3 years

Money Raised: USD 150000

Collaborators:

1. Dr. Alex Machocho, Kenyatta University
2. Dr. Constancia Rugumamu< University of Dar es Salaam
3. Mr. Omari Amuka Maseno University
4. Ms. Ellen Asiimue, Uganda Christian University

9.0 RECOGNITIONS

a) Appointment to Boards

Currently a school Board Member of Moi Sitotwet Secondary School

b) Community Outreach

Currently Patron for Ainamoi Kenyatta University Students Association

10.0 MEMBERSHIP TO PROFESSIONAL BODIES

Member of the Kenya Society of Microbiologists