

CURRICULUM VITAE
PROF. SOLOMON IGOSANGWA SHIBAIRO
DEPUTY PRINCIPAL
(ACADEMICS, RESEARCH and EXTENSION)
KIBABII UNIVERSITY COLLEGE
(A CONSTITUENT COLLEGE OF MASINDE MULIRO
UNIVERSITY OF SCIENCE and TECHNOLOGY)
P.O. BOX 1699-50200,
BUNGOMA, NAIROBI, KENYA
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solomonshibairo@yahoo.com



1. PERSONAL INFORMATION.

1. **NAME:** Prof. Solomon Igosangwa Shibairo
2. **DATE OF BIRTH:** October 17, 1960
3. **GENDER :** Male
4. **MARRITAL STATUS** Married with five children
5. **PLACE OF BIRTH** Kimaran Village, Vihiga District in Kenya.
6. **SPOKEN & WRITTEN LANGUAGES** English, Kiswahili and Kiluhya (mother tongue)
7. **NATIONALITY:** Kenyan
8. **FAITH** Christian- Deacon and Sunday school teacher
9. **ADDRESSES**
 - A Home Address: Laikipia Road, Plot 17, Hse No.1, Kileleshwa, Nairobi
Home Phone: +254 733240739, +254721 683509
Home Email: solomonshibairo@yahoo.com, sshibairo@gmail.com
 - B Work Address: Kibabii University College (*A constituent College of Masinde Muliro University of Science and Technology*)
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Bungoma, Kenya
Work Phone: 020-2028660/0708, 0708-085934
 - C Cell Phone: 721 683509/0733 240739
 - D Work Email: sshibairo@kibabiiuniversity.ac.ke, sshibairo@gmail.com

2. ACADEMIC QUALIFICATIONS

- A Qualification & Year Awarded PhD (Plant Science) 1996
Institution & Country University of British Columbia, Canada

B	Qualification & Year Awarded	MSc. (Agronomy). 1989
	Institution & Country	The university of Nairobi, Kenya
C	Qualification & Year Awarded	BSc (Agriculture). 1985
	Institution & Country	The university of Nairobi, Kenya
D	Qualification & Year Awarded	Kenya Advanced Certificate Education. 1980
	Institution & Country	Kericho High School. Kenya
E	Qualification & Year Awarded	East African Certificate of Education. 1978
	Institution & Country	Kemeloi High School. Kenya
F	Qualification & Year Awarded	Certificate of Primary Education. 1974
	Institution & Country	Tinderet High School. Kenya

SHORT COURSES/TRAINING

3.

A	Name of training & Dates	Corporate Governance Training Course, 15-16, May 2014
	Institution & Country	CENTRE FOR CORPORATE GOVERNANCE, Kenya
B	Name of training & Dates	Research Administration and Grants, November 5-9, 2012
	Institution & Country	Eunice Shriver National Institute of Child Health and Human Development and U.S. President's Emergency Plan for AIDS Relief, Held in Zanzibar, Tanzania
C	Name of training & Dates	Scientific Writing Training, November 3-4, 2012
	Institution & Country	National Cancer Institute (NCI), NIH and World Health Organization (WHO), held at Double Tree Resort Zanzibar-Nungwi, Tanzania
D	Name of training & Dates	Performance Enhancement, 28 – 29 th July 2012
	Institution & Country	EMPOWERment™ RESOURCE TECHNOLOGIES LTD
E	Name of training & Dates	Transformational Leadership, 13 – 15 January 2011
	Institution & Country	EMPOWERment™ RESOURCE TECHNOLOGIES LTD
F	Name of training & Dates	Phytosanitary Re-tooling, 14-15 September, 2009, at Nakuru, Kenya
	Institution & Country	Centre of Phytosanitary Excellence, Eastern Africa.
G	Name of training & Dates	Pedagogy training workshop held at CCU , 2008

	Institution & Country	University of Nairobi, Kenya
H	Name of training & Dates	FAO regional workshop on GM Food Safety Assessment Training within Biosafety approach, 15-17 April, 2008.
	Institution & Country	FAO and Kenya Plant Health and Inspectorate Services, Nairobi, Kenya
I	Name of training & Dates	Scientific proposal writing, 19- 25 th November, 2006
	Institution & Country	ASARECA, held in Nairobi, Kenya
J	Name of training & Dates	The Advanced course on the Production, Management and Safety Standards of Horticultural Crops. 22 August – 15 September, 2005
	Institution & Country	At Nanjing Agricultural University, in China.
K	Name of training & Dates	Advanced training course on "PHOTOSYNTHESIS AND ALGAL BIOTECHNOLOGY, 12 May to 2 th June 1991
	Institution & Country	At Ben-Gurion University, The Jacob-Blaustein Institute for Desert Research, Sede-Boker Campus in Israel,

4. PROFESSIONAL /EMPLOYMENT HISTORY

A	From date – Present	July 15 to Present
	Current Employer	Kibabii University College (KIBUCO) (A Constituent College of Masinde Muliro University of Science and Technology)
	Current Position	Deputy Principal (Academic, Research and Extension)
	Position Description	Managing the academic, administrative and social issues in the division of Academics, Research and Extension
B	From date – Present	March 12, 2010 to July 15, 21013
	Current Employer	The University of Nairobi.
	Current Position	Dean, Faculty of Agriculture
	Position Description	Managing the academic, administrative and social issues in the Faculty of Agriculture
C	From date – date	2006 to Present (but currently on unpaid leave of absence to take up position at KIBUCO)
	Employer	The University of Nairobi
	Position	Associate Professor
	Position Description	Teaching, Research and Extension in The Department of plant Science and Crop Protection.
D	From date – date	1997 to 2006
	Employer	The University of Nairobi

	Position	Senior Lecturer
	Position Description	Teaching, Research and Extension in The Department of plant Science and Crop Protection.
E	From date – date	1991 to 1997
	Employer	The University of Nairobi
	Position	Lecturer
	Position Description	Teaching, Research and Extension in The Department of Crop Science.
F	From date – date	1992 to 1996
	Employer	The University of British Columbia, Canada, Department of Plant Science
	Position	Research – Assistant
	Position Description	Assisting in tutorials in Biometry, Botany and Horticulture
G	From date – date	1999 to 2003
	Employer	Jomo Kenyatta University of Agriculture and Technology, in Departments of Food Science and Postharvest and of Horticulture
	Position	Part-Time Senior Lecturer
	Position Description	Teaching Postharvest Physiology and Technology
H	From date – date	1989 to 1991
	Employer	The University of Nairobi
	Position	Assistant- Lecturer
	Position Description	Teaching and Research at the Department of Crop Science
I	From date – date	1987 to 1988
	Employer	Ministry of Agriculture
	Position	Lecturer
	Position Description	Teaching Crop Science to Diploma Students
J	From date – date	July 1985 to October 1985
	Employer	Ministry of Agriculture, Keiyo-Marakwet District
	Position	District Farm Management Officer
	Position Description	Advice Farmers in farm management issues

5. MEMBERSHIP OF PROFESSIONAL ORGANIZATIONS AND AWARDS

(A) PROFESSIONAL ORGANIZATIONS

Member of the Horticultural Society of Kenya
 Member of the Agricultural Society of Kenya (ASK)
 Member of the African Crop Science Society
 National subject panel member for Horticulture Panel for Kenya Institute of Education

(B) AWARDS

Awarded a Ph.D Scholarship by Canadian International Development Agency (CIDA)-**1991-1996**
 Awarded a Scholarship to complete a certificate course in Algae Biotechnology by Ministry of Foreign Affairs of the government of Israel- **1991**
 Awarded M.Sc. Scholarship by the University of Nairobi Kenya **-1985 – 1988**
 Awarded B.Sc. Scholarship by ministry of Education Kenya - **1980 - 1985**

6. WORK AND PROFESSIONAL EXPERIENCE

(A) TEACHING EXPERIENCE

AT THE UNIVERSITY OF NAIROBI

COURSE	DEGREE PROGRAMME	YEARS
Seed Science	M.Sc. (Agronomy and Plant Breeding)	2005-To date
Post—Harvest Physiology and Technology	M.Sc. (Horticulture) and M.Sc. (Food Science and Technology)	2002 –To date
Vegetable Production	B.Sc. (Agriculture)	1998-To date
Crop Production Systems	M.Sc. Agricultural Resource Management	2005
Beverages and Medicinal plants	M.Sc. (Horticulture)	2003
Crop Physiology	M.Sc. (Horticulture, Plant Breeding and Agronomy)	1997-2002, 2005
Biometrics	M.Sc. (Plant Protection)	2000-2008
Advanced topics in field crop production	M.Sc. (Agronomy)	2002
Advanced Vegetable Production	M.Sc. (Horticulture)	1999-2004
Physiological factors affecting crop yield	B.Sc. (Agriculture)	1997-1998
Introduction to Agriculture	B.Sc.(Agricultural Engineering)	1988-1991
Industrial crop production	B.Sc. (Agriculture)	1989-1990
Crop production II: Plant propagation and production of perennial crops	B.Sc. (Agriculture)	1988-1991
Crop production I: Production of field crops	B.Sc. (Agriculture)	1988-1991

AT THE UNIVERSITY OF BRITISH COLUMBIA CANADA

COURSE	DEGREE PROGRAMME	YEARS
Biometrics	B.Sc. (Agriculture)	
Introduction to Plant Science	B.Sc. (Agriculture)	1992-1994

AT THE JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY

COURSE	DEGREE PROGRAMME	YEARS
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Post harvest Physiology	B.Sc. (Horticulture)	1999-2003
Post harvest Technology	B.Sc. (Horticulture)	1999-2003
Post harvest physiology and Technology	B.Sc. (Food Science and Technology)	1999

AT KIBABII UNIVERSITY COLLEGE

COURSE	DEGREE PROGRAMME	YEARS
Survey of Plant Kingdom		2013 - Present
Fundamentals of Ecology	BED (Science)	2014 - Present

(B) EXTERNAL EXAMINATION

University	Duration	Department
Egerton University	2002- to date	Crops, Horticulture and Soils
Jomo Kenyatta University of Agriculture and Technology	2008-2011	Horticulture
Jomo Kenyatta University of Agriculture and Technology	2011 to date	Land Resource Planning and Management
Maseno University	2011 to date	Plant Sciences

(C) UNIVERSITY ADMINISTRATIVE ACTIVITIES AND RESPONSIBILITIES IN THE DEPARTMENT, FACULTY, COLLEGE, AND UNIVERSITY

Position	Major achievements, highlights
1 Deputy Principal, Kibabii University College	<ol style="list-style-type: none"> Drafting the first performance contract Establishing schools/faculties/directorates (computing and informatics, agriculture, business, ICT) Linkages formation and fostering (e.g. with Kisiwa Technical School, Science and Technology Park of University of Pune, India etc). Leading in development of Master Plan and Strategic Plan. Development of University Charter Overseeing development of Curricula (programs)
2 Ag. Principal, College of Agriculture and Veterinary Sciences, several times; Between March 2010 to 2013	<p>Succesfully managed college affairs for a cumulative period of over one year.</p> <ol style="list-style-type: none"> Teaching research and extension Management (Strategic planning, performance contracting, ISO standards development, procurement, finance, human resource management and physical and infrastructural Students affairs

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| 3 | Responsibility at college level | <ol style="list-style-type: none"> 1. Member of college management board 2. Member of college academic board 3. Member of college procurement board 4. Chairman, of the college ISO committee 5. Chair of the alcohol and drugs committee 6. Member of the anti-corruption committee. 7. Been Chairman and coordinator for activities involving students for the Faculty and College: e.g. Tree Planting and Get-Together and the forth years Leavers Dinner. |
| 4 | Dean, Faculty of Agriculture. From March 12, 2010 to 24 July, 2013. | <ol style="list-style-type: none"> 1. Successfully managed faculty affairs. 2. Responsible for academic, financial, administrative issues of over 120 teaching and 200 non-teaching staff and over 1500 students. 3. Refurbished faculty of agriculture building worth Kshs. 21, 000, 000. 4. Coordinated the construction of the Seed Enterprises and Management Institute (SEMI) seed processing unit at kshs. 70, 000,000. 5. Organized AGRO-2011- The first Biannual Conference for faculty of agriculture as a platform for disseminating information and showcasing research work faculty. 6. Developed the first electronic journal for the faculty. 7. Organized and launched the Faculty of Agriculture Alumni chapter of the university of Nairobi 8. Development of College of Agriculture and Veterinary Sciences Strategic Plan 2008 and its revision in 2010 and in 2013. 9. Cascaded the Performance to departments 10. Developing Bachelor of Science in Water Resource Management 11. Formed committees for grant writing. 12. Oversaw the administration of research grants of over kshs 700, 000, 000.00. 13. Formed many international and national linkages. |
| 5 | Ag. Chairman - Plant Science and Crop Protection Department. Many times from February, 1999 to 2010 | <ol style="list-style-type: none"> 1. Successfully managed the departments affairs for a cumulative period of over 1.5 years. |

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|---|----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6 | Section Head of the Crop Science Section of the Department of Plant Science and Crop Protection, July 2003 to March, 2010. | <ol style="list-style-type: none"> 1. Lead Instrumental in developing B.Sc. Horticulture Course. 2. Developed a three-month crash program and a Certificate course in skills enhancement in Floriculture and delivered on Open and Distance learning mode. 3. Committee Member on Farm Practice Committee. 2000-2004. |
| 7 | Other responsibilities at Department of Plant Science and Crop Protection | <ol style="list-style-type: none"> 1. Teaching of over B.Sc. courses 2. Teaching of over 10 M.Sc. courses 3. Examination Officer of the department 1998 to 1999. 4. Head of Horticulture Unit in Crop Science Department, 2002 to July 2005 5. Committee member representing the Crop Science department in the Faculty of Agriculture curriculum review committee. 6. Development of faculty of Agriculture strategic Plan 2003 and its revision in 2010 |
| 8 | Responsibilities in the Region | Chairman of the Kenya Chapter of RUFORUM – KENFORUM |
| 9 | Others | <ol style="list-style-type: none"> 1. Director of Wangari Maathai Institute of Peace and Environmental Studies - from 2010 to 2013 2. A director at UNITID 3. Managing director of Family Features Investment Company 4. Director in CHRIDEV Company from 2008 to present |

D) EMPLOYMENT IN THE MINISTRY OF AGRICULTURE

1. In charge of teaching Crop Production Course and Head of Research for Technical Assistants at Bukura Institute of Agriculture for the Ministry of Agriculture, July, 1987- September, 1988.
2. In charge of Farm Management issues in the Ministry of Agriculture for the whole District of Keiyo-Marakwet, July, 1985- October, 1985.
3. I am a member of National Task Force of Horticulture from 2012 to present.
4. Member of a Task Force establishing reasons for poor performance of KCSE candidates in Bungoma county.

(E) RESEARCH

Major research goal: Development of strategies to mitigate food and nutrition insecurity, malnutrition, and poverty alleviation and wealth creation among small scale farmers

(i) RESEARCH ACCOMPLISHMENTS:

- A) 2009 to 2012: Collaborated with Prof Mwang'ombe, Principal CAVS, Prof. Wahome and colleagues from Makerere University, Sokoine University and LIFE, Copen Hagen in 'Prepare PhD project'
- B) 1999 to 2003: Was the principal investigator and in collaboration with Alice Walingo and

Charles Lung'aho both of KARI for the project "Use of indigenous vegetables for alleviation of malnutrition in Western Kenya". Project is sponsored by Thrasher Research Foundation of USA

- C) 1999 to 2001: Collaborated with Dr. S. Sillim and Johnson of ICRISAT to develop post harvest technologies to enable the increase in export and use of green peas of Pigeon peas.
- D) 1999 to 2001, Collaborated with Dr. Hagenimana V. in developing post harvest technologies for handling sweet potatoes.
- E) 1998 to 2002. Was the Agronomist in the project "Mumias food project' A **FORUM** Project sponsored by Rockefeller Foundation of USA.
- F) 1991 to 2002, collaborated with scientists **Prof. Mahesh K. Upadhyaya** of the University of British Columbia, Canada **and Dr. Peter M.A. Toivonen** of Summerland Research Center, Agriculture and Agri-Food, Canada, to develop technologies for post-harvest handling of vegetables. NSSERC

(ii) ON-GOING (CURRENT) RESEARCH

- A) Screening finger millet for production and nutrient content to improve livelihoods of small-scale farmers in drought prone areas of Eastern Province of Kenya.
- B) Evaluation of genetic diversity and health promoting bioactive compounds in *Cleome gyanandra* (Spider plant) produced under different production systems and agro-ecological conditions in Kenya
- C) Water hole monitoring for livestock early warning by FAO- CO PI
- D) Development of post harvest technologies in indigenous and traditional vegetables and fruits.
- E) Carrying out research in the general area of **horticulture, crop production and crop physiology**. Currently with 4 PhD students.

(iii) RESEARCH GRANTS

- A) **2012-2014**. Grant RU 2012 OG 02: **Coordinator**. Support to 3 Tanzanian MSc students under Ohio iAGRI Project. **\$66,972**.
- B) **2012-2015**. Won and signed from EAAPP as **Principal investigator and Technical PI** of the team. Cassava Post-harvest Value Addition for Improved Food and Nutrition Security and better Livelihoods in Kenya. **Ksh. 48, 000, 000**.
- C) **2012 -2014**. From RUFORUM. **Co-Investigator**. Improving profitability of the Mango Value Chain through Strategies for Off-season Flower Induction, Reliable maturity Indices and Applicable Postharvest Technologies. **\$ 60, 000**
- D) **2011-2012**. **Co Pi** - Water hole monitoring for livestock early warning by FAO- **\$30,000**
- E) **2011-2013**. **Principal Investigator**. Screening finger millet for production and nutrient content to improve livelihoods of small-scale farmers in drought prone areas of Eastern Province of Kenya. Sponsored by RUFORUM. **\$59,930**
- F) **2011-2013**. **Co investigator** in programme. "Enhancing Kenya's food security in the face of climate change through increased potato productivity". Funded by National Council of Science and Technology (NCST). **Kshs 7 000 000**
- G) **2009- 2012**. To present, **Co researcher** on "Prepare PhD" A project member of an EU

funded EDulink project. **150 000 EUROS**

- H) **1999- 2003- Principal Investigator.** The Thrasher Research Foundation: - A grant in traditional vegetable research. **\$30, 000**
- I) **1998- 2002- Co-investigator.** The Rockefeller Foundation: - A grant in Food Security Research. **\$60, 000.**
- J) **1991-2002- Student,** Science Council of British Columbia (BC), BC Agricultural Research Council, BC Coast Vegetable Co-operative, and Natural Sciences and Engineering Research Council of Canada (NSERCC). **Canadian \$ 5 000**

(F) SUPERVISION OF POSTGRADUATE STUDENTS.

Theses supervised and graduated.

PHD

1. Pauline Aluka. 2013. Farm Robusta coffee (*Coffea canephora* L.) diversity. (**PH.D. Plant Breeding and Biotechnology**). University of Nairobi.
2. Charles, Lung'aho. C.M. 2011. Characterization and Conservation of Potato (*Solanum tuberosum* L.) **P. HD. (Agronomy)**.
3. Onyango, C.M. 2010. Pre- and Post harvest factors affecting yield and quality factors of vegetable amaranth (*Amaranthus hybridus*). **P. HD. (Plant Science)**.
4. Kihurani, A.W. 2004. Parthogens and some physical factors associated with postharvest deterioration of sweetpotato. **PH.D. Plant pathology.** University of Nairobi

MSC

5. Mueni, P. Yumbya. 2012. Effects of 1-Methylcyclopropene (1-MCP) and active bagpackaging on the postharvest shelf life and quality of purple passion fruit (*Passiflora edulis*).
6. Maswili, R. kamene, 2009. Assessment of Kenyan sorghum diversity using morphological characteristics and molecular techniques.
7. Jonathan Kipng'eno, 2008. Abundance and nodulation efficiency of garden pea rhizobia in Central Kenya soils.
8. Mwalimu, M. 2008. Development of affordable alternative methods for sprouting seed potato tubers. M.Sc. (Horticulture). University of Nairobi.
9. Gachango, E.N., 2007. Effects of storage conditions on quality and storability of seed and ware potato varieties. M.Sc. (Horticulture). University of Nairobi.
10. Obangi, S.N. 2007. The potential to improve production and quality of Kales on potassium deficient soils in Kenya through balanced fertilization. M.Sc. (Agronomy).
11. Kithusi 2004. The efficacy of biopesticides on control of red spider mites (*Tetranychus evansi*) on tomatoes. M.Sc. (Horticulture).
12. Meyo, C.A., 2004. Effects of nitrogen and phosphorus application on growth yield and leaf quality of vegetable amaranth (*Amaranthus hybridus*). M.Sc. (Horticulture).
13. Sikuku, D.N, 2004. Effect of composted farmyard manure and nitrogen fertilization on growth and yield of maize (*Zea mays* L.). M.Sc. (Agronomy).
14. Nyawenda, L. 2003. Screening local and exotic varieties of tomato (*Lycopersicon esculentum*) for tolerance to waterlogged soil. M.Sc. (Horticulture).
15. Omuolo, F.M. 2002. Effect of inorganic fertilizer and farmyard manure on growth, yield and quality of collard (*Brassica oleraceae* var *acephala*), cat's whiskers (*Cleome*

- gyanandra*) and amaranth (*Amaranthus lividus*). M.Sc. (Horticulture).
16. Onyando, N.R. 2002. Effects of nitrogen and planting density on yield and quality of sweet potatoes. M.Sc. (Agronomy).
 17. Muthoni, J. 2001. Effects of minimal rates of phosphorus and nitrogen on the establishment and productivity of the African clover cv. Mealton (*Trifolium quartianum*).
 18. Ambuko, J. 2001. Effect of benzyladenine and gibberellic acid on growth, yield and yield components and shelf life of French beans (*Phaseolus vulgaris* (L.)). M.Sc. (Horticulture).
 19. Njoroge, P.K. 2001. Effects of nitrogen and phosphorus fertilization on growth and development and yield of snowpeas (*Pisum sativum* L. var. Macrocarpon). M.Sc. (Agronomy). University of Nairobi.
 20. Shikuku, C.A. 2001. Effect of recharging and packaging on moisture loss and quality changes in sweet potato during short-term storage. M.Sc. (Horticulture). University of Nairobi.
 21. Opiyo, A.M. 2000. Effect of nitrogen application and plant age on edible yield and quality of black nightshade (*Solanum nigrum* L.) plants. M.Sc. (Horticulture). University of Nairobi.
 22. Onyango, C.M. 2000. Effects of pigeonpeas (*Cajanus cajan* (L.) Millsp) genotypes on pod and green pea yield and nutritional quality as influenced by storage conditions. M.Sc. (Horticulture). University of Nairobi.
 23. Ngatia, T.M. 2000. Effect of timing of application of gibberellic acid and ethephon on growth, yield and yield components of beans (*Phaseolus vulgaris* L.). M.Sc. (Agronomy). University of Nairobi.
 24. Gathungu, G.K. 2000. Effect of source, time and method of application of nitrogen on growth and yield of potato (*Solanum tuberosum* L.). M.Sc. (Agronomy). University of Nairobi.

Theses under supervision

PHD

25. Titus Magomere. Molecular approaches in the assay of interspecific hybridization within the sorghum genus and transfer of *Sorghum bicolor* genes to weedy species (*S. Sudanese*, *S. halepense*, *S. bicolor* subsp. *verticilliflorum*) with effects on hybrid fitness and fecundity. **Defended awaiting to graduate in August 2014**
26. Jonathan Mutonyi. Management strategies for low pH and potassium deficiency in Mumias sugar zone of western Kenya. **To defend in July and graduate in August 2014.**
27. Jonathan Kipng'eno. Abundance, genetic diversity and nodulation of cowpea rhizobia in south western Kenya.
28. Charity muchoki. Factors affecting levels of vitamins and anti-nutrients in fermented, solar-dried and stored African leafy vegetables.
29. Danstan A. Odeny. Physiology of coffee grown under shade

MSC

29. Nyongesa Oliver. Screening of finger millet varieties for drought resistance and nutritional factors.

31. Ivon Madegwa. Modelling the impact of climate change on growth and yield of finger millet.
32. Maloba, S.E. Improving profitability of the mango value chain in Kenya through strategies for off-season flower induction.
33. Murigi, w.w. Control of ware potato sprouting in the tropics during storage

(G) CONSULTANCIES

1998- worked with the Ministry of education to revise the Primary School Agriculture to include more practicals. The PRASSUPE- Project. GTZ of Germany sponsored the initiative.

I am the Horticulture/Agronomist specialist for the STRATEGIC CENTRE FOR AFRICA – NGO that is currently working to increase irrigation dependant Agriculture in Kenya, Ethiopia, Somalia and Tanzania.

(H) NATIONAL ACTIVITIES.

- (i) For Kenya National Examination Council (K.N.E.C.). I have been marking and moderating the technical subject Crop Production from 1988 to present. I am the Examiner in charge of other Examiners for this paper.
- (ii) I am an Examiner marking the Practical paper of the subject - Crop production of the Kenya Certificate of Secondary Education (K.C.S.E.) Examinations.
- (iii). Community Development.
I am a Deacon in training at my church CHRISCO
I am a bible study teacher.
- (iv) Empowering the Kibabii University College Community in Business, Food Security, Health and Environmental sustainability.
- (v) March 2013 to present we the EAAP team have a project where we are rendering extension services in production and postharvest handling of cassava at the coast province.

6. PUBLICATIONS

(A) THESES

SHIBAIRO, S.I. A study of postharvest moisture loss in carrots (*Daucus carota* L.) during short-term storage. Ph.D Thesis, The University of British Columbia, Canada, 1996.

SHIBAIRO, S.I. The effect of sink-source manipulation and water stress on flower-and pod-abscission, yield and yield components of pigeon peas (*Cajanus cajan* L. millsp). M.Sc. Thesis, University of Nairobi, 1989.

(B) REPORTS:

UON: Mumias food production project.

A report of the Review of the food situation in the Mumias Sugar Scheme, Western Kenya. 1999. P.O. Chitere, F.I. Mugivane, S.I. Shibairo, T.G. Karugia, D. Wanyama-Masinde, O. Odongo.

(C) JOURNAL ARTICLES

1. Ambuko Jane, Yumbya Mueni Penina, Shibairo Solomon and Owino Willis Omondi 2014. Efficacy of 1-Methylcyclopropene in Purple Passion Fruit (*Passiflora edulis* Sims) as Affected by Dosage and Maturity Stage. *Int. J. of Postharvest Technology and Innovation*. **Accepted for publication.kk**
2. Mutonyi, J., **Shibairo S.I.**, Chemining'wa, G.N., Olubayo, F.O., Nyongesa, H.W. and Konje, M. M. 2004. Effects of N and K fertilization of sugarcane (*Saccharum officinarum*) on acrisols in western Kenya. *Elixir Agriculture* **67 (2014) 21669-21675. Accepted for publication.**
3. **Shibairo, S.I.**, Mutonyi, J, Chemining'wa, G.N, Olubayo, F.O, Nyongesa, H.W and Konje, M. M. 2004. Effects of agricultural lime and phosphorus application to sugarcane on acid acrisols in western kenya". *Globals Science Research Journal*.
4. Magomere, O. Titus, Kahiu Ngugi; **Solomon Shibairo**; Mutitu Eunice; Silas Obukosia. 2014. Evaluation of Multiplex Pcr in Detection of crop alleles and differential hybridization among weedy sorghum populations. **Accepted for publication** in *Journal of Biological Sciences*.
5. Peninah Yumbya, Jane Ambuko, **Solomon Shibairo** and Willis O. Owino. 2014. Effect of modified atmosphere packaging on the shelf life and postharvest quality of purple passion fruit (*Passiflora edulis* Sims). *Journal of Postharvest Technology* **02 (01):** 025-036.
6. Onditi John, Njoroge Kiarie and **Shibairo Solomon**. 2013. Improving potato tuber yields using genotypes with multiple virus resistance in Kenya. *Agriculture and biology journal of north America*. **4(4):** 406-412.
7. Onditi John, Njoroge Kiarie, **Shibairo Solomon**, Lung'aho Charles, Moses Nyongesa, Jane Muthoni, Susan Otieno, Miriam Mbiyuand Judy Oyoo. 2013. Potato virus Y (PVY) and potato virus X (PVX) resistance breeding in Kenya: applicability of conventional approaches. *Agriculture and biology journal of north America*. **4(4):** 398-405
8. Lung'aho, C., G. Chemining'wa, **S. Shibairo** and M. Hutchinson. 2012. Dynamics of on-farm management of potato (*Solanum tuberosum*) cultivars in Central Kenya. *African Journal of Agricultural Research*. **7(17):** 2701-2712, Available online at <http://www.academicjournals.org/AJAR>.
9. Onyango, C., J. Harbinson, J. K. Imungi, **S. Shibairo** and O. van Kooten 2012. Influence of organic and mineral fertilization on germination, leaf nitrogen, nitrate accumulation and yield of vegetable amaranth *Journal of Plant Nutrition* **35 (3)**. - p. 342 - 365.
10. Lung'aho, C., G. Chemining'wa, **S. Shibairo**, M. Hutchinson and M. Mbiyu, 2012. Cost effective slow growth *in vitro* conservation of potato (*Solanum tuberosum* L.) using table sugar as an alternative carbon source. *African Journal of Biotechnology*. **11(5):** 1092-1099, 16. Available online at <http://www.academicjournals.org/AJB>
11. Onditi, J.O., Kiarie Njoroge, **Shibairo I. S.** 2011. Identification of suitable parents and temperatures for breeding Potato virus Y (PVY) and Potato virus X (PVX) resistant potatoes. *Agriculture and biology journal of North America*. **2(12): 1409-1415**. ISSN Print: 2151-7517, ISSN Online: 2151-7525, doi:10.5251/abjna.2011.2.12.1409.1415 © 2011, ScienceHuβ, <http://www.scihub.org/ABJNA>.
12. Lung'aho, C., G. N.Chemining'wa, Fu Yong-Bi, **S. Shibairo**, M. J. Hutchinson and H. Paniagua 2011. Genetic Diversity of Kenyan Potato Germplasm Revealed by Simple Sequence Repeat Markers. *American Journal of Potato Research*. **88(5):** 424-434.

13. Olubayo F., D. Kilalo, S. Obukosia, **S. Shibairo**, M. Kasina, 2011. Homopteran pests complex of Citrus (*Citrus sinensis*) in semi-arid Kenya. *International Journal of Sustainable Crop Production*. 6:23-28.
14. Magomere T.O.; Obukosia, S. D.; Mutitu, E.; Ngichabe, C.; Olubayo, F.; **Shibairo, S.** 2009. PCR detection and distribution of Huanglongbing disease and psyllid vectors on citrus varieties with changes in elevation in Kenya. *Genetic Diversity of Kenyan Potato Germplasm Revealed by Simple Sequence Repeat Markers *Journal of Biological Sciences* , 9; 697-709.*
15. Magomere T.O., S.D., Obukosia, E., Mutitu, C., Ngichabe, F., Olubayo and **S., Shibairo** 2009. Molecular characterization of Candidatus Liberibacter species/strains causing huanglongbing disease of citrus in Kenya. *Electronic Journal of Biotechnology*, 12: 1-13.
16. Onyango C.M., J.K. Imungi, J. Harbinson and **S.I. Shibairo**. 2009. The physico-chemical characteristics and some nutritional values of vegetable amaranth sold in Nairobi-Kenya. *Journal of Ecology of Food and Nutrition*. 47; 382- 398.
17. Kilalo D., F. Olubayo, S. Obukosia and **S.I. Shibairo**. 2009. Farmer management practices of citrus insect pests in Kenya. *African Journal of Horticultural Science*. 2. 168-176.
18. Olubayo F., A., Kibaru, J. Nderitu, R. Njeru, **S., Shibairo** and M. Kasina. 2008. Management of aphids and aphid-transmitted viruses in stored seed potatoes in Kenya. *International Journal of Sustainable Crop Production*, 3; 40-45.
19. Kihurani, A.W., R.D., Narla, **S. Shibairo**, J. Imungi and E., Carey. 2008. Effect of soil pH on postharvest pathological deterioration of sweet potato storage root. *African Journal of Horticultural Science*. 1. 1-8.
20. Gachango E., **S. I. Shibairo**, J. N. Kabira, G. N. Cheminingwa and P. Demo 2008. Effects of light intensity on quality of potato seed tubers. *African Journal of Agricultural Research*: 3:732-739.
21. Nyasani J.O., J.W. Kimenju, F.M. Olubayo, **S.I. Shibairo** and G.K. Mutua (2008). Occurrence of endomopathogenic nematodes and their potential in the management of diamondback moth in kale. *Asian journal of plant sciences*. 7 (3): 314-318.
22. **Shibairo S.I.**, P. Demo, J.N. Kabira, P. Gildemacher, E. Gachango, M. Menza, R.O. Nyankanga, G.N. Chemining'wa and R.D. Narla. 2006. The effects of gibberellic acid (GA₃) on sprouting and quality of potato seed tubers in diffused light and pit storage conditions. *Journal of Biological Sciences*, 6 (4): 723-733.
23. Shikuku C.A., **S.I., Shibairo**, J.K. Imungi, V. Hagenimana and P. Ojiambo. 2006. Effects of recharging on moisture loss and quality changes during short term storage of sweet potato (*Ipomea batata* L.). *Botswana Journal of Agriculture and Applied Sciences*, 2: 67-78.
24. Kithusi G.G., M.Knapp, **S.I. Shibairo**, J.K. Nderitu, K.N. Kiarie. 2005. Effects of four biopesticides on the spider mite *Tetranychus evansi*. *Phytophaga*, XIV: 1-8.
25. **Shibairo S.I.**, C.A. Shikuku, J.K. Imungi and V. Hagenimana. 2004. Effect of packaging materials on weight loss and nutrient quality changes of recharged sweet potatoes (*Ipomoea batata* Poir) during short-term storage. *Journal of Agriculture, Science and Technology*. 6: 29-47.
26. Ngatia T.M., **S.I. Shibairo**, V.E. Emongor and S.D. Obukosia. 2004. Effects of levels and timing of application of gibberellic acid (GA₃) on growth and yield components of common beans. *The African Crop Science Journal*, 12 (2): 123-131.
27. Mati G.N., Mburu, M.W.K., Kurji, P.N. and **Shibairo, S.I.** 2003. Effects of nitrogen and phosphorus on growth and yield of ironweed (*Vernonia galamensis*). *East African Agriculture and Forestry Journal*, 60 (2): 109- 118.

28. Ngatia T.M., **S.I. Shibairo**, V.E. Emongor and S.D. Obukosia. 2003. Effect of ethephon on growth, yield and yield components of beans (*Phaseolus vulgaris* L.). *Journal of Agriculture, Science and Technology*, 5: 22-38.
29. Kihurani A.W., **Shibairo, S.I.**, Imungi, J.K. Narla, R.D. and Carey, E.E. 2003. Susceptibility of sweet potato germplasm to rhizopus soft rot caused by *Rhizopus stonifer* and *Rhizopus oryzae* in Kenya. *MUARIK Bulletin*, 6: 30-34.
30. **Shibairo S.I.**, M.K. Upadyaya and P.M.A. Toivonen. 2002. Changes in water potential, osmotic potential, and tissue electrolyte leakage during mass loss in carrots stored under different conditions. *Scientia Horticulturae*, 95: 13-21.
31. Gathungu G.K., **S.I., Shibairo**, S.M., Githiri, M.W.K., Mburu, P.S., Ojiambo. 2000. Effect of source, time and method of nitrogen application on growth and yield components of potato in Kenya. *African Crop Science Journal*, 8(4): 387-402.
32. **Shibairo S.I.**, M.K. Upadyaya and P.M.A. Toivonen. 1998. Potassium nutrition and postharvest moisture loss in carrots (*Daucus carota* L.). *Journal of Horticultural Science and Biotechnology*, 73 (6): 862-866.
33. **Shibairo S.I.**, M.K. Upadyaya and P.M.A. Toivonen. 1998. Influence of preharvest water stress on postharvest moisture loss of carrots (*Daucus carota* L.). *Journal of Horticultural Science and Biotechnology*, 73 (3): 347-352.
34. **Shibairo S.I.**, M.K. Upadyaya and P.M.A. Toivonen. 1998. Replacement of postharvest moisture loss by recharging and its effect on subsequent moisture loss during short term storage of carrot (*Daucus carota* L.). *Journal of American Society for Horticultural Science*, 123 (1): 141-145.
35. **Shibairo S.I.**, M.K. Upadyaya and P.M.A. Toivonen. 1997. Postharvest moisture loss characteristics of carrot (*Daucus carota* L.) cultivars during short-term storage. *Scientia Horticulturae*, 71: 1-12.
36. Bitterlich I., M.K. Upadyaya and **S.I. Shibairo**. 1996. Weed control in cole crops and onion (*Allium cepa*) using ammonium nitrate. *Weed Science*, 44: 952-958.
37. **Shibairo S.I.**, J.O. Nyabundi and W. Otieno. 1995. Effects of temperature on germination of three pigeon pea (*Cajanus cajan*) genotypes. *Discovery and Innovation*, 7: 283-287.
38. **Shibairo S.I.**, and J.O. Nyabundi. 1993. Effect of deflowering and defoliation during reproductive phase on flower and pod abscission and yield of pigeon peas (*Cajanus cajan*). *Discovery and Innovation*, 5: 377-380

(D) CONFERENCES, SEMINARS/WORKSHOP PAPERS

Refereed conference Papers

39. Ambuko, J., E.V., Emongor and **S.I. Shibairo**, G.N. Chemining'wa. 2003. Effects of accel (Gibberellins (GA₄₊₇) + Benzyladenine) on postharvest shelf life of French beans (*Phaseolus vulgaris* L.). *African Crop Science Proceedings* 6: 536-540.
40. Walingo, A., C. Lungaho and **S.I. Shibairo**. 2001. Baseline survey for use of indigenous vegetables to combat vitamin A deficiency in Kenya. *African Crop Science Conference Proceedings* 5: Page 665-670. ISSN 1023-070X.

Conference/workshop papers

41. Kihurani A.W., R.D., Narla, **S.I., Shibairo**, J., Imungi and E., Carey. 2009. Effect of storage temperature on postharvest pathological deterioration of sweet potato storage roots. Paper presented at the 9th workshop on sustainable horticultural production in the tropics- theme value chains of vegetables for local market, export and processing. P. 17.

42. Munyua L.W., **F. M. Olubayo**, J.H. Nderitu, S. Shibairo and E. Obudho, 2005. Comparative resistance/tolerance of commercial potato cultivars in Kenya to major aphid pests. . In Proceedings of 7th Biennial African Crop Science Society (ACSS), Conference, Kampala, Uganda, 5-9 December 2005. pp, 387-393.
43. Olubayo, F.M., Machangi, J.M., Nderitu, J.H., Njeru, R.W., El-Bedewy, R. and **Shibairo, S.I.** 2004. Seed source and farmer management practices and their effect on aphid and virus incidence in farmer managed seed potato production in Kenya. Proceedings. 6th triennial congress of the African Potato Association (APA). 5-10 April, 2004. Agadir, Morocco. Pp.298-299.
44. Kifarau, A. Olubayo, I.M., Nderitu, J.H., Njeru, R.W. and **Shibairo, S.I.** 2004. Evaluation of insecticides and indigenous knowledge (ITK) for management of aphids and and aphid-transmitted viruses in stored seed potatoes in Kenya. Proceedings. 6th triennial congress of the African Potato Association (APA). 5-10 April, 2004. Agadir, Morocco. Pp.282-291.
45. **Shibairo S.I.**, F.M. Omuollo. 2001. Postharvest handling of indigenous vegetable leaves. Paper presented at CIKSAP/HBF workshop on the need for enabling policy framework held on October 16- 17, 2001 at the Landmark Hotel, Westlands, Nairobi, Kenya.
46. Upadhyaya, M.K., **S.I. Shibairo** and P.M.A. Toivonen. 1997. Physiology of postharvest moisture loss from carrots. Joint Annual Meeting of the Canadian Society of Plant Physiologist and American Society of Plant Physiologist, Vancouver, B.C., Canada.
47. Upadhyaya, M.K., **S.I. Shibairo** and P.M.A. Toivonen. 1997. Replacement of postharvest moisture loss by recharging and its effects on subsequent moisture loss during short term storage of carrots (*Daucus carota L.*). Presented at the annual meeting of the American Society of Horticultural sciences, Salt Lake City, UT, U.S.A.
48. Upadhyaya, M.K., **S.I. Shibairo** and P.M.A. Toivonen. 1998. Physiology of postharvest moisture loss from carrots. Can.Soc. Ann. Meeting, Vancouver, B.C.
49. **Shibairo S.I.**, M.K. Upadyaya and P.M.A. Toivonen. 1996. Potassium nutrition and postharvest moisture loss in carrots (*Daucus carota L.*). HortScience 31(4) :643. Presented at the Annual Meeting of the American society for Horticultural Sciences, Lexington, Kentucky, U.S.A.
50. Upadhyaya, M.K., **S.I. Shibairo** and P.M.A. Toivonen. 1996. Influence of preharvest water stress on postharvest weight loss of carrots (*Daucus carota L.*) HortScience 31(4):643. Presented at the Annual Meeting of the American Society of Horticultural Sciences, Lexington, Kentucky, U.S.A.
51. **Shibairo S.I.**, M.K. Upadyaya and P.M.A. Toivonen. 1995. Effect of moisture loss on water potential with its components and tissue deterioration of carrots during short term storage. HortScience 30(4): 823. Presented at the Joint Annual Meeting of the American society for Horticultural Sciences and the Canadian Society of Horticultural Sciences, Montreal, PQ, Canada.

Book chapters

1. **Shibairo S.I.**, R.G. Wahome, Paul Mbugua, Lily Bebor, Wambui Kogi-Makau, Peter Gathumbi. 2012. Ethical issues in supervision of PhD students. *In*: The PhD Training Supervision-A trainees manual-. The University of Nairobi Prepare-PhD project team. Chapter 7. Pgs. 93- 105. ISBN:99667127.

Presentations at conferences

S. I. Shibairo. 2012. The Faculty of Agriculture and Research Opportunities. Paper presented at the conference on 'China-Kenya forum on the collaboration in dryland agriculture' held between 29th August to 4th September 2012 at Lanzhou University, Gansu China.

S.I. Shibairo. 2012. Experiences with RUFORUM at the University of Nairobi. Paper presented at the Third Regional Universities Forum for Capacity Building in Agriculture (RUFORUM) Biennial Conference. THEME: Partnerships & Networking for Strengthening Agricultural Innovation and Higher Education in Africa; 24-28 September, 2012; Imperial Resort Beach Hotel and Imperial Botanical Beach Hotel, Entebbe, Uganda.

S.I. Shibairo, F. Olubayo, A.M. Mwang'ombe, J.M. M'Nyambo 2011. Effect Of Chemical Fertilizers, Farm -Yard And Poultry Manure On Growth And Yield Of Amaranthus And African Nightshade In Taita District. Paper presented at the first Biennial aGRO conference. Theme: Optimization of value chains for sustainable development, 26 – 28th September, 2011 at the College of Agriculture and Veterinary Sciences, University of Nairobi.

Posters at conferences

Shibairo.S.I., Onwonga R.N., Emongor. R., Oduori.A.C., Ambuko.J., Nyongesa.O.W., Madegwa.Y. 2012. Screening Finger Millet Varieties for Adaptation to Drought Prone Ecological Regions of Eastern Kenya as a Strategy to Combat Food Insecurity and Climate Change. Presented at the Third Regional Universities Forum for Capacity Building in Agriculture (RUFORUM) Biennial Conference. THEME: Partnerships & Networking for Strengthening Agricultural Innovation and Higher Education in Africa; 24-28 September, 2012; Imperial Resort Beach Hotel and Imperial Botanical Beach Hotel, Entebbe, Uganda.

Nyongesa.O.W., **Shibairo.S.I.,** Onwonga R.N., Ambuko.J., . 2012. Screening and testing finger millet varieties for drought adaptability and nutritional factors in Eastern Kenya. Presented at the Third Regional Universities Forum for Capacity Building in Agriculture (RUFORUM) Biennial Conference. THEME: Partnerships & Networking for Strengthening Agricultural Innovation and Higher Education in Africa; 24-28 September, 2012; Imperial Resort Beach Hotel and Imperial Botanical Beach Hotel, Entebbe, Uganda.

Jane Ambuko, **Solomon I. Shibairo,** Margaret J. Hutchinson, Joseph K. Njuguna and Willis O. Owino. 2012. Improving profitability of the Mango Value Chain through Strategies for Off-season Flower Induction, Reliable maturity Indices and Applicable Postharvest Technologies. Presented at the Third Regional Universities Forum for Capacity Building in Agriculture (RUFORUM) Biennial Conference. THEME: Partnerships & Networking for Strengthening Agricultural Innovation and Higher Education in Africa; 24-28 September, 2012; Imperial Resort Beach Hotel and Imperial Botanical Beach Hotel, Entebbe, Uganda.

Madegwa Y.M., Onwonga R.N., **Shibairo.S.I.** 2012. Modelling nutrient dynamics, growth and

development of finger millet (*Eleusine corocona*) in semi arid eastern Kenya using the agricultural production systems simulator (APSIM). Presented at the Third Regional Universities Forum for Capacity Building in Agriculture (RUFORUM) Biennial Conference. THEME: Partnerships & Networking for Strengthening Agricultural Innovation and Higher Education in Africa; 24-28 September, 2012; Imperial Resort Beach Hotel and Imperial Botanical Beach Hotel, Entebbe, Uganda.

Conferences/workshops attendance:

Workshop on Agricultural Planning for Small-Scale Farmers in East Africa held between 10th-11th February, 2014 by Village Enterprise in Partnership with Makerere University in Kampala, Uganda.

Conference on 'China-Kenya forum on the collaboration in dryland agriculture' held between 29th August to 4th September 2012 at Lanzhou University, Gansu China

Board of Postgraduate Studies Strategic Planning Workshop: 3rd – 4th May, 2012. At Kenya School of monetary Studies.

International Conference for youth in Africa, 2012. 'Factoring Youth Voices into Critical Issues: Agenda on Environmental Sustainability, Climate Change Mitigation and Adaptation, Food Security and Nutrition in Africa, 9th – 10th March, 2012, at College of Agriculture and Veterinary Sciences of the University of Nairobi.

Research Grants Management Strategic Planning Workshop. By university of Nairobi, at Maanzoni lodge- 9-11th March 2012

International conference on Agricultural Biotechnology in Africa Fostering Innovation. Organized by Addis Ababa university, The Agricultural Innovation in Africa Project at the Harvard Kennedy School & UNDP Secretariat. May 12- 15, 2011 – United Nations Conference centre, Addis Ababa, Ethiopia.

Policy Analysis and Advocacy Programme. 'Equal opportunities for a just and sustainable agriculture development. Four days training workshop on gender mainstreaming in Agricultural Research. 23rd-26th November, 2010 at Laico Grand Regency Hotel, Nairobi, Kenya.

National Launch of Kenya Agricultural Productivity and Agribusiness project (KAPAP) and Eastern Africa Agricultural Productivity (EAAPP) at the Monetary Studies, Thika, Road, Kenya- June 2-4 2010.

Regional Universities Forum for Capacity Building in Agriculture. Regional Consultative Workshop. 13th November, 2010. Speke resort Conference Center, Munyonyo Kampala, Uganda.

Seventh workshop on Sustainable Horticultural Production in Tropics: Theme: Weed Management in Organic, Horticultural Production Systems in the tropics. Held at university of Nairobi, 28th November – 1st December, 2007

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