

CURRICULUM VITAE

PERSONAL INFORMATION

Name Patrick Samba Oluko
Date of birth 15/5/1978
Gender MALE
Nationality KENYAN
Marital Status MARRIED
Religion CHRISTIAN
Address 1 Faculty of Science, Dpt. Of Agriculture and Veterinary sci.
 Kibabii University, P.O Box 1699 -50200, Bungoma - KENYA
Address 2 Dept. of Soil Science, University of Eldoret,
 P.O Box 1125 -30100, ELDORET - KENYA
Mobile No. +254-720131914 or +254-724818104
Email Address olukopatrick@gmail.com, posamba@yahoo.com

<u>Languages</u>	<u>Reading skills</u>	<u>writing skills</u>	<u>communication skills</u>
English:	Excellent	V. good	Fluent
Kiswahili:	Very good	V. good	Fluent

Upholding team work, understanding and respect to realize the key organization's missions and visions. To achieve maximum results and express full potential under minimum supervision.

CAREER OBJECTIVES

2016 to Date

UNIVERSITY OF ELDORET

- Doctor of Philosophy in Soil Science- (On-going, finished course work)

2013-2015:

UNIVERSITY OF ELDORET

- Master of Science in Soil Science

2006-2010:

MOI UNIVERSITY

- Bachelor of Science in Agricultural Biotechnology (Agriculture) = **2ND** Class Honors

2002-2004:

THE ELDORET POLYTECHNIC

- Diploma in Applied Biology = **Pass**

1999-2001:

ROCKY COMPUTER COLLEGE

- Diploma in Computer Science = **Credit**

1993-1996:

CHESAMISI HIGH SCHOOL

- Kenya Certificate of Secondary Education (K.C.S.E) = **B+** (PLUS)

1983-1992:

ESS'ON'GOLO PRIMARY SCHOOL

- Kenya Certificate of Primary Education (K.C.P.E) = **436** out 700 marks

- **Thesis** (MSc): Oluko P.S., (2015) Conservation Agriculture effect on selected soil chemical and biological parameters in Western Kenya and Eastern Uganda.
- **Paper**: Oluko P.S., (2016) Increases of Macrofauna Populations and soil quality improvement from Conservation Agriculture practice in the Ferralsols of

PUBLICATIONS

<div data-bbox="76 869 245 902" data-label="Section-Header"> <p>CONFERENCES</p> </div> <div data-bbox="204 1249 301 1283" data-label="Section-Header"> <p>GRANTS</p> </div> <div data-bbox="76 1442 287 1509" data-label="Section-Header"> <p>PROFESSIONAL SKILLS</p> </div>	<div data-bbox="453 76 1406 203" data-label="Text"> <p>Western Kenya and Eastern Uganda (Submitted to Journal of Agricultural Science and Technology A) – published in Soil Science Society of Africa Conference proceedings</p> </div> <div data-bbox="405 215 1503 730" data-label="List-Group"> <ul style="list-style-type: none"> • Paper: Oluko P.S., (2016) Soil Organic Carbon dynamics from Conservation Agriculture practices in the Ferralsols of Western Kenya and Eastern Uganda (submitted to Journal of Agricultural Science and Technology) • Paper: P.R. Simatwo, S. Kebeney, J.R. Okalebo, C.O. Othieno, P.S. Oluko ; (2018) Wheat Response to Lime, Source and Rates of Phosphate fertilizers on Acid Soils in Uasin Gishu County, Kenya; ISSN 2311-2476; May 2018. Vol. 9. No 01. 2018 IJRAFS & K.A.J. http://www.ijsk.org/ijrafs.html • Special Project: Oluko P.S., (2010) Effectiveness of FTA technique in DNA extaction. • Special Project: Oluko P.S., (2004) Effect of Nitrogen on growth and development of common beans (<i>Phaseolus vulgaris</i>) in acidic soils of Uasin Gishu. </div> <div data-bbox="389 786 1503 1160" data-label="List-Group"> <ul style="list-style-type: none"> - 2013: Soil science society of Africa/East Africa Society of Soil Science -Nakuru (Presented a paper): Increases of Macrofauna Populations and soil quality improvement from Conservation Agriculture practice in the Ferralsols of Western Kenya and Eastern Uganda - 2018: Post graduate students Conference- University of Eldoret (Presented a paper): ANTIFUNGAL PROPERTIES OF CRUDE EXTRACTS OF PARTS OF SELECTED PLANTS FROM KANO, KISUMU AGAINST <i>Fusarium oxysporum</i> CAUSING TOMATO WILT DISEASE - 2018: First Pan-African International Research congress- Kisumu (presented a paper): ANTIFUNGAL PROPERTIES OF CRUDE EXTRACTS OF PARTS OF SELECTED PLANTS FROM KANO, KISUMU AGAINST <i>Fusarium oxysporum</i> CAUSING TOMATO WILT DISEASE </div> <div data-bbox="405 1193 1503 2154" data-label="List-Group"> <ul style="list-style-type: none"> • University of Eldoret postgraduates research fund Ksh. 200,000 for the proposal titled: ANTIFUNGAL PROPERTIES OF CRUDE EXTRACTS OF PARTS OF SELECTED PLANTS FROM KANO, KISUMU AGAINST <i>Fusarium oxysporum</i> CAUSING TOMATO WILT DISEASE • Proposal writing for funds lobbying and mobilization from different donors. • Knowledge in disease epidemiology, insect pest population dynamics, laboratory isolation and identification of disease-causing organism, weed science and chemical use approaches and safety precautions. • Excellent skills in planning, designing and implementation of multilocal field experiments; situation analysis and proposal writing skills; report writing; power point presentations; • Excellent skills and knowledge computer packages with strong skills statistics and practical use of statistical data analysis softwares including GENSTAT, SAS, STATA, SPSS and STATISTICA among other packages • Skills in efficacy assessment of different agricultural inputs including granular and foliar fertilizers, herbicides, fungicides, insecticides as per the recommendations and regulations by Kenyan Laws set by Pesticide Control and Produce Board; • Soil sampling techniques, chemical analysis (N, P, K, C, pH), interpretation of the results and fertilizer rate recommendation based on crop requirement, analysis results and fertilizer composition; • Plant pathology and disease (plant and soil borne) investigative skills as well as its control and preventive measures on an on-farm and laboratory studies. • Skills in Proposal and reports (Thesis, special project, annual reports) writing; that attract funding from researchers globally. </div>
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WORK EXPERIENCE

January 2015 TO DATE:

Institution: Kibabii University

Job title : Senior laboratory Technologist

DUTIES AND RESPONSIBILITY

- Conducting and supervising laboratory and field practical classes for both undergraduate and graduate classes
- Soil and Plant tissues sampling in the experimental fields and subsequent analysis in the Laboratory.
- Preparation, organizing and participation in field days and exhibitions on behalf of Kibabii University and the donors of the research projects.
- Acting Farm manager, Kibabii University

2005-2015:

Institution: University of Eldoret

Job title : Research Assistant and Technician

(UoE – SANREM Research Project- a USAID funded project)

DUTIES AND RESPONSIBILITY

- Planning, co-ordination and implementation of agricultural research activities and ensure harmonious participation of all stakeholders (UoE, Wyoming University-USA, AT-Uganda, Manor House Agricultural Center-Kitale, SACRED Heart-Bungoma, County Agriculture Officers office-Uasin Gishu, KARI-Kakamega, farmers and farmer groups in Kenya and Uganda, among others) in products and varieties assessments, joint inspection, variety release, organizing for seminar presentations, field exhibitions, field days and farmers training sessions.
- Preparation of annual trial plans and questionnaires, designing field experiments, organize and supervise planting of trials in low, medium and high altitude zones of Kenya, compiling weekly, monthly and annual progress reports; taking and writing minutes during project review meetings; giving power point presentation on research progress to stakeholders, give technical guidance project team players and raise an alarm whenever a critical decision is needed.
- Data collection and management, statistical analysis and interpretation using statistical software packages including GENSTAT, Microsoft Office Excel, SAS, SPSS, STATA and STATISTICA among others.
- Perform laboratory isolation of pathogens (fungus) from infected plant samples and conduct disease identification, morphological and genetic diversity studies on the isolates, epidemiological studies and designing appropriate management and study the molecular basis of some observed responses.
- Plan and execute objective-driven breeding activities in the crossing block through making crosses, select subsequent generations for desirable traits such as yield, disease resistance, seed quality traits, early maturity among others.
- Planning, Preparing and execution of research projects for the university in the field within and without Kenya and, field and laboratory practical activities for students both undergraduate and graduate students.
- Soil and Plant tissues sampling in the experimental fields and subsequent analysis in the Laboratory.
- Preparation, organizing and participation in field days and exhibitions on behalf of the University and the donors of the research projects.

ACHIEVEMENTS

- Renewal of the UoE-SANREM Research Program contract after giving satisfying

OTHER CERTIFICATES AND AWARDS

reports and results since 2010. Phase II started from October 2013 to March 2016.

- Successfully evaluated and recommended Conservation Agriculture Production System (CAPS) for Western Kenya and Eastern Uganda, and upscaling of the CAPS to high, medium and low altitude zones of Kenya;
- Recommended various agricultural inputs including granular and foliar applied fertilizers, fungicides, insecticides, herbicides for their efficacy in Maize-beans agronomy trials conducted in High, Medium and Low altitude zones of Kenya;

2015

- Certificate in Pedagogical Skills Training- Kibabii University
- Certificate in Laboratory Safety and Management- Kibabii University

2013

- Certificate of Membership – Soil Science Society of East Africa (SSSEA)
- Certificate of Membership – Soil Science Society of Africa (SSA)

2008-2009

- Certificate of participation – Soil Science Society of East Africa (SSSEA)/ Soil Science Society of Africa (SSA) joint Conference

MAY, 2003

- Certificate of Excellence (Chemistry) – AGASUNYA J.E.T

REFEREES

Prof. J.R. Okalebo,

Professor of Soil Chemistry,
Department of Soil Science
School of Agriculture,
University of Eldoret
P.O. Box 1125, Eldoret.
Tel; +254-727819023/+254725533924
Email: jookalebo@gmail.com

Prof. Wilson Ng'etich.

Professor of Soil Physics,
H.O.D Soil Science.
University of Eldoret
P.O. Box 1125, Eldoret.
Tel: +254-728003452
Email: wnget@yahoo.com

Dr. Kepha Nyende Osolo

Head, Department of Agriculture and Veterinary Science
Kibabii University
P.O. Box 1699-50200, Bungoma.
Tel: +254-717612115
Email: knyende@gmail.com

Prof. Julius O. Ochuodho

Professor of Seed Science,
Dean, School of Agriculture and Biotechnology
University of Eldoret
P.O. Box 1125, Eldoret.
Tel; +254-721871817
Email: juliusochuodho@yahoo.com

Curriculum vitae 2018