



**Europass  
Curriculum Vitae**

**Personal information**

First name(s) / Surname(s) **George Ochieng' Asudi**  
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E-mail gasudii@gmail.com / asudi.george@ku.ac.ke  
Nationality Kenyan  
Date of birth 4<sup>th</sup> January, 1983  
Marital status Married

**Work experience**

Dates **February, 2015-**  
Occupation or position held **Tutorial Fellow**  
Main activities and responsibilities To carry out research and give tutorials to students taking course in Molecular Biology  
Name and address of employer Biochemistry and Biotechnology Department- **Kenyatta University**  
P.O. Box P.O. Box 43844-00100 Nairobi Kenya

Type of business or sector

**Education**

Dates **October, 2011- March, 2015**  
Occupation or position held Post graduate Research Fellow  
Main activities and responsibilities Molecular diagnostics and dynamics of phytoplasma between wild and cultivated Gramineae in east Africa  
Name and address of employer **ICRPE P.O. Box 30 – 40305, MBITA**  
Type of business or sector Research and Development

Dates **May to August, 2014 (4months)**  
Occupation or position held Post graduate student – Sandwich Programme  
Main activities and responsibilities Phylogenetic analysis of phytoplasmas in East Africa based on the *secA* and immunodominant protein (*imp*) gene  
Name and address of employer German Academic Exchange Service (DAAD); **Julius Kühn Institute (JKI)**, Federal Research Centre for Cultivated Plants, Institute for Plant Protection in Fruit Crops and Viticulture, Schwabenheimer Str. 101, 69221 Dossenheim, Germany

Type of business or sector

Research

Dates **September, 2011 – October, 2011**  
Occupation or position held Research scientist (Biotechnology)  
Main activities and responsibilities Bio-prospecting  
Name and address of employer Kenya Wild Service P.O. Box 40241-00100 Nairobi

Type of business or sector

Research, Conservation and Development

Dates **September, 2010- September, 2011**

Occupation or position held	Lecturer
Main activities and responsibilities	Teaching Molecular Biology and Micro-propagation (Tissue culture)
Name and address of employer	Catholic University of Eastern Africa (CUEA) P.O. Box 62157-00200 Nairobi
Type of business or sector	Education
Dates	<b>July –July 2010</b>
Occupation or position held	Consultant
Main activities and responsibilities	Reviewing the Annual Development Plan
Name and address of employer	World Vision East Africa Region P.O Box 133 Karen 00502, Nairobi, Kenya
Type of business or sector	Faith-based Non Governmental Organisation
Dates	<b>January –June 2010</b>
Occupation or position held	Research assistant
Main activities and responsibilities	Efficacy trial of new biological pesticides on pests
Name and address of employer	Jomo Kenyatta University of Agriculture and Technology (JKUAT) P.O. Box 62000-00200 Nairobi
Type of business or sector	Research
Dates	<b>April, 2009 - April 2010</b>
Occupation or position held	Part time laboratory technician
Main activities and responsibilities	Teaching BSc. and MSc. students on isolation of nucleic acids, PCR and gel electrophoresis
Name and address of employer	CUEA P.O. Box Nairobi and JKUAT P.O. Box 62000-00200 Nairobi
Type of business or sector	Education
Dates	<b>May, 2008 – July, 2010</b>
Occupation or position held	Research student
Main activities and responsibilities	Exposure to hands on experience in survey study, agronomy, tissue culture, use of microsatellites in assessing papaya diversity and statistical analysis.
Name and address of employer	JKUAT P.O. Box 62000-00200 Nairobi
Type of business or sector	Education
Dates	<b>May 2006-July 2006</b>
Occupation or position held	Intern
Main activities and responsibilities	Exposure to hands on experience in tissue culture, biological control of pests e.g. moths using nematodes, greenhouse management, data collection and management.
Name and address of employer	Kenya Agricultural Research Institution (KARI) P.O. Box 62000-00200 Nairobi
Type of business or sector	Research
<b>Education and training</b>	
Dates	<b>October 2012- March, 2015</b>

Title of qualification awarded | PhD student  
Principal subjects/occupational skills covered | Molecular diagnostics and dynamics of phytoplasma between wild and cultivated Gramineae in East Africa  
Name and type of organisation providing education and training | **North West University – South Africa** Under the sponsorship of German Academic Exchange Service (DAAD) and McKnight Foundation  
Level in national or international classification | PhD student

Dates | **September 2007- July 2010**

Title of qualification awarded | Master of Science Biotechnology  
Principal subjects/occupational skills covered | Molecular Biotechnology  
MSc. Thesis: Collection, morphological and molecular characterization of papaya gemplasm in Kenya  
Name and type of organisation providing education and training | JKUAT – Under the sponsorship of **Rattansi Education Trust**  
Level in national or international classification | M.Sc.

Dates | **April 2003- July 2007**

Title of qualification awarded | Bachelor of Science Botany (Plant Biotechnology option)  
Principal subjects/occupational skills covered | Molecular Biology and Botany  
Undergraduate dissertation: Phytochemical assays and antimicrobial screening of the crude extracts of the roots and the leaves of *Oxalis corniculata*.  
Name and type of organisation providing education and training | JKUAT  
Level in national or international classification | Second class Honours (Upper division)

**Personal skills and competences**

Other language(s)  
Self-assessment  
*European level (\*)*

**English**  
  
**Kiswahili**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
B2	Independent user	C1	Proficient user	B1	Independent user	B1	Independent user	B2	Independent user

(\*) [Common European Framework of Reference for Languages](#)

Social skills and competences | Team work: I have worked in various types of teams in research projects, participating in seminars, workshops, and agricultural shows in the dissemination of research findings. I also worked as a part of team that reviewed the annual development plan of World Vision East Africa region in 2010.

Technical skills and competences | I have experience in diversity studies using microsatellites and agromorphological traits, molecular disease diagnostics, biological control of pests, tissue culture, antimicrobial assay and survey study

Computer skills and competences

I have competence in the use of diverse computer software, using Windows platform. Some of the softwares include Word, Access, PowerPoint, Excel, Adobe Acrobat, SPSS, GENSTAT, XLSTAT, SAS, NTSYS, GeneMapper v3.7 and ChomasPro v1.5.

Additional information

### Publications

**Asudi GO**, Van den Berg J, Midega CAO, Schneider B, Seemüller E, Pickett JA, Khan ZR, 2015. Detection, identification and significance of phytoplasmas in wild grasses in East Africa. *Plant Disease*, <http://dx.doi.org/10.1094/PDIS-11-14-1173-RE>.

**Asudi GO**, Van den Berg J, Midega CAO, Pittchar J, Pickett JA, Khan ZR, 2015. Napier grass stunt disease in East Africa: farmers' perspectives on disease management. *Crop Protection*, 71, 116-124.

Ombwara FK, **Asudi GO**, Rimberia FK, Ateka EM, Wamocho LS, 2014. The distribution and prevalence of *papaya ring spot virus* (PRSV) in Kenyan papaya. *Acta Hort.* (ISHS) 1022,119-124

**Asudi GO**, Ombwara FK, Rimberia FK, Nyende AB, Ateka EM, Wamocho LS, Shitanda D, Onyango A, 2010. Morphological diversity of Kenyan papaya germplasm. *Afr. J. Biotechnol.* 9, 8754-8762.

**Asudi GO**, Ombwara FK, Rimberia FK, Nyende AB, Ateka EM, Wamocho LS, 2013. Evaluating diversity among Kenyan papaya germplasm using simple sequence repeat markers. *AJFAND* 13, 7307-7324.

Training, conference/ seminar/ workshop attended

Date	Activity
March 9-13 <sup>th</sup> 2015	R- Training course at ICIPE, Nairobi Kenya organized by CIRAD and CB&ID (ICIPE).
May 5 <sup>th</sup> – 9 <sup>th</sup> 2014	Attended 'the 6th Annual meeting of the East and Horn of Africa Community of Practice of the Collaborative Crop Research Program (CCRP) organised by The McKnight Foundation' held at the KCB Training Centre - Karen, Nairobi Kenya and presented a paper on 'Detection, identification and characterization of phytoplasmas in East Africa'.
June 30 <sup>th</sup> – July 3 <sup>rd</sup> 2013	Attended the 'XVIII Congress of the Entomological Society of Southern Africa' held at the North-West University Potchefstroom South Africa and presented a poster entitled 'Farmers Awareness and Perceptions of Napier Stunt Disease Incidence in East Africa'.
May 6 <sup>th</sup> -17 <sup>th</sup> , 2013	Attended 'Introduction to Molecular Biology and Bioinformatics Workshop' at BECA-ILRI, Nairobi funded by the Australian Agency for International Development (AusAID) through a partnership between CSIRO and the BecA-ILRI Hub, the Syngenta Foundation for Sustainable Agriculture, the Bill & Melinda Gates Foundation and Sida. I presented a poster entitled 'Dynamics of Napier stunt phytoplasma between wild and cultivated Gramineae'
4 <sup>th</sup> – 8 <sup>th</sup> June, 2012	Napier stunt disease (NSD) training; Phytoplasma genetics and phylogeny at ICIPE, Nairobi
Oct, 2011- Feb, 2012	Various courses; Biostatistics, GIS, Photography, Entomology, scientific writing and Molecular disease diagnostics at ICIPE, Nairobi
22 <sup>nd</sup> – 29 <sup>th</sup> Oct, 2011	"Ecology its Basics and Applications" organized by the Swedish University of Agricultural Sciences at ICIPE – Mbita Point campus
8 <sup>th</sup> - 12 <sup>th</sup> Nov, 2010	The 12 <sup>th</sup> KARI Biennial Scientific Conference, Nairobi. I presented a paper entitled 'Diversity of African indigenous

	vegetables with nutrition and economic potential in the Lake Victoria region?
30 <sup>th</sup> Sept, 2010	The development of drought-tolerant maize available royalty free to small-scale farmers in Sub-Saharan Africa workshop organized by Water efficient Maize for Africa (WEMA) project – AATF in Nairobi
30 <sup>th</sup> August, 2010	'Benefits of open access for research dissemination, usage, visibility and impact' workshop organized by JKUAT in collaboration with EIFL.net held at AICAD.
9 <sup>th</sup> April, 2010	Biotechnology status in Kenya workshop organized by the African Biotechnology Stakeholders Forum (ABSF) in Nairobi
31 <sup>st</sup> - 3 <sup>rd</sup> September, 2009	1 <sup>st</sup> All Africa Horticulture Congress "grown under the sun" organized by the International Society for Horticultural Science (ISHS) in Nairobi. I presented a poster titled 'morphological characterization of Kenyan papaya germplasm'
31 <sup>st</sup> August- 3 <sup>rd</sup> September 2009	Hortivar training, a geo-referenced database on performance of horticulture cultivars and a platform for horticulture knowledge management and exchange in Nairobi Kenya
18 <sup>th</sup> - 19 <sup>th</sup> May 2009	ISO Certification (ISO 9001:2000) training organized by Quality Assurance Systems Limited in Nairobi Kenya.
4 <sup>th</sup> -5 <sup>th</sup> December 2008	Scientific and technological solutions for sustainable industrialization and social economic growth conference organized by JKUAT held at Juja, Kenya. I participated in the exhibition as a member of JKUAT Bioinformatics Club.
1 <sup>st</sup> December. 2008	Grants proposal-writing workshop organized by JKUAT and International Foundation for Science (IFS).
22 <sup>nd</sup> -26 <sup>th</sup> September 2008	1 <sup>st</sup> All Africa Congress on Biotechnology organized by the African Biotechnology Stakeholders Forum (ABSF) held in Nairobi
9 <sup>th</sup> July 2008	Intellectual Property Rights seminar organized by JKUAT held at Juja, Kenya.

### Professional bodies associated with

- Member of Horticultural Association of Kenya (HAK)
- Member of JKUAT Bioinformatics Club

### Personal interests

- I enjoy watching football and athletics. I also participate in community work as a peer educator

### References

- Prof. Khan, Zeyaur Rahman**, Principal Scientist, Plant Health Department - ICIPE. P.O. Box 30 – 40305, MBITA, Kenya. Email: [zkhan@icipe.org](mailto:zkhan@icipe.org)
- Prof. Johnnie Van den Berg**, Program Manager: Plant Protection, School of Environmental Sciences and Development, North-West University Private Bag X6001, Potchefstroom, 2520 South Africa, E-mail: [johnnie.vandenberg@nwu.ac.za](mailto:johnnie.vandenberg@nwu.ac.za)
- Dr. Bernd Schneider**, Scientist Julius Kuehn Institute (JKI), Federal Research Centre for Cultivated Plants Institute for Plant Protection in Fruit Crops and Viticulture. Email: [Bernd.Schneider@jki.bund.de](mailto:Bernd.Schneider@jki.bund.de)