CURRICULUM VITAE		
	Benson Onyango, Ph.D	
-	Gender: Male; Nationality: Kenyan	
(2)	Department of Biological Sciences, JaramogiOgingaOdinga University of Science	
a h	and Technology, P.O. Box 210 -40600, Bondo- Kenya	
	Email: <u>benboyih@gmail.com</u> / <u>bonyango@jooust.ac.ke</u>	
Education		
2012 - 2015	Ph.D in Microbiology, Jaramogi Oginga Odinga University of Science and	
2007 2010	Technology, Kenya M Sa in Miarahiela ay Magang University Kenya	
2007 - 2010	M.Sc in Microbiology, Maseno University, Kenya	
1999 – 2003	B.Ed Science, Moi University, Kenya	
ProfessionalCared		
2022 - Present	Senior Lecturer, Jaramogi Oginga Odinga University of Science and Technology, Kenya	
2017 - 2022	Lecturer, Jaramogi Oginga Odinga University of Science and Technology, Kenya	
2015 - 2017	Lecturer, Chuka University, Kenya	
2012 - 2015	Assistant Lecturer, Chuka University, Kenya	
2003 - 2012	Secondary School Teacher, Teachers Service Commission, Kenya	
Professional Activ		
Since 2015	Reviewer, Board Member for the following international journals, (American Journal of Food Technology, Nature Microbiology, African Journal of Horticultural Sciences)	
Research Interest	s	
Microbiology, Bio	technology,Bio-based products, Microbial Biodiversity, Plant Pathology	
Graduate Studen	ts Supervision	
Graduate Studen PhD Students Co	ts Supervision ompleted	
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	Year	2021		
3.	Name Title of Thesis University Graduation Year	Purity KitemeMbithe Efficacy of Traditional Medicinal Herbs Used for Treatment of Gastro-Intestinal Infections in Tharaka-Nithi County Chuka University 2021		
4.	Name Title of Thesis University Graduation Year	Muthengi Carlene Kathomi The Potential of <i>Trichoderma harzianum</i> in Management of Vascular Wilt of Tomato Caused by <i>Fusarium oxysporum</i> Chuka University 2021		
5.	Name Title of Thesis University Year	Fredrick O. Ogolla (NM23/28950/16) Characterization of Sorghum Leaf Blight [<i>Exserohilumturcicum</i> (Pass.) Leo. and Suggs] and the Effect of Selected Environmental Factors on its Pathogenicity in TharakaNithi County Chuka University 2018		
MS	Sc Students - Su	ıbmitted		
1.	Name	Kennedy OdhiamboAchieng		
	Title of Thesis			
	University	and stream inlets of Lake Victoria. JaramogiOgingaOdinga University of Science and Technology		
2.	Name Title of Thesis University	Norah Aderah Occurrence and Characterization of Fungal Species Which Cause Sweet Potato (<i>IpomeaBatatas</i>) Leaf Spot Disease in Parts of Western Kenya JaramogiOgingaOdinga University of Science and Technology		
3.	Name Title of Thesis University	Phoebe AkothObiero Screening <i>Actinomycetes</i> from Sediments of Lake Victoria Shores for Antibacterial Activities and Evaluation of their Growth on Different Media JaramogiOgingaOdinga University of Science and Technology		
Ph	.D Students - O	Ingoing		
1.	University Name Title of Th	JaramogiOgingaOdinga University of Science and Technology MaryAnneUsagi		
2.	University Name &Ro Title of Th	eg No. Judith Gitari		
3.	University Name Title of Th	MonicahMisikho		

4.	5		JaramogiOgingaOdinga University of Science and Technology
Name			
	Title of Thesis		Genetic Diversity, Interactions and Phytotoxidal Effects of
			AlternariaSpecies Against Strigahermonthica Weed on Selected Maize Varieties
5.	5		JaramogiOgingaOdinga University of Science and Technology
	Name Title of T	Thesis	Alice Ndege
		1 110515	Characterization of <i>Klebsiella</i> sp. among Children Under 5 years Seeking Healthcare in Selected Hospitals in Kisumu County, Kenya
	Sc Students –		ll iarrah a Olara
1.	Name Title of	Marceline Ad	
	Title of Thesis	Samples	Analysis of COVID-19 Detection Techniques Using Different Clinical
	University		ngaOdinga University of Science and Technology
2.	Name	Haira Wilson	Onyango
	Title of		n of Effective and Affordable Baits for Termites
	Thesis University		sbellicosus) for Use as Alternative Poultry Feeds
	University	JaramogiOgi	ngaOdinga University of Science and Technology
MS	sc Students –	Ongoing	
1.	Name	NyongaroraZ	ethOndieki
	Title of		Soil Microbial Communities and Physicochemical Parameters From
	Thesis		d-Use Systems Along River Nzoia Catchment To Improve Soil Health
	University	JaramogiOgir	ngaOdinga University of Science and Technology
2.	Name	Miriam Awu	orOluoch
	Title of		nd Use Systems on Nutritional Profilesand Antimicrobial Activity of
	Thesis		inst Drug-Resistant Bacteria
	University	JaramogiOgir	ngaOdinga University of Science and Technology
		wards and F	
1.	Institutic Award T		VLIR-OUS VLIR-Institutional University Cooperation (IUC) Program research
	Award 1	lite	grant for Strengthening Climate Change Resilience among
			Communities and Ecosystems in the Lake Victoria Basin
	Amount		USD 50,000
2	Duration		2021-2031
2.	Institutic Award T		NRF South Africa Towards COVID-19 Containment: Serological, Faecal and
	Awalu I	luc	Wastewater Epidemiological Surveillance of SARS-CoV-2 in
			Support of Home-Based Isolation and Care in Kenya
	Amount		USD. 10,000
	Duration		2021-2022
3. Institution Award Title			Horn SandPit One-Health Consortium Molecular Characterization of Milk Bacteria
	Award I Amount	me	USD. 10,000
	Duration	L	2020-2022
4.	Institutio		Biosciences east and central Africa (ILRI-BecA)
	Award		Research Fellow, African Biosciences Challenge Fund
	Amount:		USD. 10,000
	Duration	l	2013-2015

5.	Institution	National Commission for Science, Technology and Innovation (NACOSTI)
	Award	Grant on Molecular Characterization of Rhizobium and Seed Treatment Technology
	Amount:	Ksh. 1,200,000
	Duration	2013-2015
6.	Institution	African Institute for Capacity Development
0.	Award	2-Year Research Grant for Characterization of Native Wood Ear
	Tward	Mushrooms
	Amount:	USD. 2,000
	Duration	2008-2010
Conf	erences and Wo	orkshops
1.	Institution	NRF South Africa
	Title of	DSI-NRF-CNRS Workshop on Research for Impact
	Workshop	
	Venue	Pretoria, South Africa
	Date	$17^{th} - 20^{th}$ October, 2022
2.	Institution	Multistress Consortium
	Title of	Understanding plant water relations: from cellular mechanisms to modelling
	Workshop	crop water response behavior
	Venue	Online Event
	Date	24 th February, 2021
3.	Institution	Tharaka University
	Title of	Efficacy of Traditional Medicinal Herbs Used for Treatment Of Gastro-Intestinal
	Workshop	Infections in Tharaka-Nithi County
	Venue	Tharaka University 24 th November, 2021
4.	Date Institution	Chuka University
4.	Conference	4 rd International Research Conference
	Title	4 International Research Conference
	Date	26 th to 28 th October 2018
	Title of Paper	Effect of inoculation of native strains of rhizobia on the productivity of soybeans
	1	(<i>Glycine max</i> Merr.) and bambara groundnuts (<i>Vignasubterranea</i> L. Verdc) under field conditions.
5.	Institution	Chuka University
	Conference	2 nd International Research Conference
	Title	
	Date	28 th to 30 th October 2015
6.	Title of Paper	Molecular characterization of wood ear mushrooms (<i>Auricularia</i> sp.) from Kakamega Forest, Western Kenya.
	Institution	JaramogiOgingaOdinga University of Science and Technology
	Conference	The 1 st JOOUST International Scientific Conference
	Title	
	Date	$24^{\text{th}} - 26^{\text{th}}$ June 2015
	Title of Paper	Genetic diversity of root nodule bacteria associated with bambara groundnuts
-	T	(Vignasubterranea L. Verdc) in soils of Lake Victoria basin.
7.	Institution	Jomo Kenyatta University of Agriculture Science and Technology
	Conference	Scientific Research and Innovation Conference, SRI - 2014
	Title	7^{th} 0^{th} Max 2014
	Date Destar Title	$7^{\text{th}} - 9^{\text{th}}$ May 2014
	Poster Title	Genetic diversity of root nodule bacteria associated with soybeans (<i>Glycine</i> marMarr) and hambara groundnuts (<i>Vignagultarranag</i> L. Verda) in soils of
		<i>max</i> Merr.) and bambara groundnuts (<i>Vignasubterranea</i> L. Verdc) in soils of Lake Victoria basin.
8.	Institution	Kabarak University
0.	montunon	Kuburuk Olliversity

	Conference	Kabarak University 4 th Annual International Conference
	Title	
	Title of Paper	Morphological characterization of root nodule bacteria associated with bambara groundnuts (<i>Vignasubterranea</i> L. Verdc) in soils of Lake Victoria basin.
	Date	15 th – 18 th July 2014
9.	Institution	Chuka University
	Conference	First Annual Scientific Conference
	Title	
	Title of Paper	Molecular diversity of root nodule bacteria associated with bambara groundnuts
	_	(Vignasubterranea L. Verdc) in soils of Lake Victoria basin.
	Date	$30^{\text{th}} - 2^{\text{nd}}$ August 2014
Men	nbership of Prof	essional Bodies
1.	Institution	Society for Ecological Restoration
	Membership	Registered Member
2.	Institution	ILRI BecA Research Group Allumni
	Membership	Association of Molecular Biologists
3.	Institution	Kenya DAAD Scholars Association
	Membership	Western Kenya Chapter
4.	Institution	Microbiology Society of Kenya
	Membership	Member No. MS0093
5.	Institution	Horn Sandpit One-Health Consortium
	Membership	Western Kenya Chapter
Pub	lications	
	pollution gr draining into	K., Ogola, HJO., Onyango , B ., Tekere, M., and Ijoma GN.(2022). Contribution of radient to the sediment microbiome and potential pathogens in urban streams to Lake Victoria. (Under review in <i>Environmental Science and Pollution Research</i>)
		Muraya M. M, Onyango B. O.(2022). Occurrence of fungal foliar diseases of
		different agro-ecological zones of Kirinyaga County, Kenya. Fundamental and
		<i>iculture</i> , 7(1): 31–46. <u>doi: 10.5455/faa.140785</u>
		O., Onyango B. O., Muraya, M. M., Ong'au P. M and Ogolla F. O. (2021).
		of banana Xanthomonas wilt in Nithi, Tharaka-Nithi County in Kenya. Journal of
	Bioscience	and Agriculture Research, 27(02): 2267-2277.
		rg/10.18801/jbar.270221.276
	In-vitro Ev	Ogolla, Ruth Nyakinywa, Samson K. Chabari and Benson O. Onyango (2021) . aluation of Fungicide Sensitivity of Tomato Leaf Blight Pathogens. <i>Jurnal</i> <i>Tropik</i> . 8(1): 11-25. doi: 10.32734/jpt.v8i1.5842
		orah Onyanga O Bansan Nyunia Regina and Ogalla O Fredrick (2021) Sweet

- Adera A. Norah, Onyango O. Benson, Nyunja Regina and Ogolla O. Fredrick. (2021). Sweet Potato Leaf Spot Diseases and Farmer's Indigenous Knowledge in Parts of Western Kenya. International Journal of Research Studies in Agricultural Sciences. DOI: https://doi.org/10.20431/2454-6224.0710003
- 6. **Onyango B. O.** and Ogolla F. O. (2020). Agronomic characterization of soybean and bambara groundnut genotypes grown on different soils of Lake Victoria Basin. *Fundamental and Applied Agriculture* Vol. 5(2), pp. 176–187: 2020.doi: 10.5455/faa.82652
- 7. Usagi M. B., **Onyango B.**, Muok B., Odilla G. A. (2020). Assessment of the Effect of Solar Powered Milk Cooling Technology on Small Holder Dairy Farmer Earnings. *IAR Journal of Agriculture Research and Life Sciences*, 1(3): 76-83.
- Onyango B. O. and Ogolla F. O. (2019). Assessment of rhizobia strain isolates of soils around Lake Victoria Basin for their effectiveness in nodulation and symbiotic efficiency on soybeans and bambara groundnuts. *International Journal of Environment, Agriculture and Biotechnology*, 4 (5) 1469-1479. doi: 0.22161/ijeab.45.29.
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- Ogolla F. O., Muraya, M. M., Onyango B. O., Sioma Mulambula (2018). Morphological characterization of sorghum *Exserohilum turcicum* isolate from different areas of Tharaka Nithi County, Kenya. *Journal of Scientific and Engineering Research*, 5(12):218-226. DOI: http://ir.jooust.ac.ke:8080/xmlui/bitstream/handle/123456789/9436.
- Gitari J. M., Maingi J.M. and Onyango B.O. (2018). Biological and chemical approach in the management of crown gall disease of roses under greenhouse conditions. *IOSR Journal of Pharmacy and Biological Sciences*. 13(6): 25-33. <u>https://www.iosrjournals.org/iosrjpbs/papers/Vol13-issue6/Version-1/D1306012533.pdf
 </u>
- 12. Emitaro W. O., Musyimi D. M., Otiato D. A, and **Onyango B. O.(2017).** Morphological, biochemical and molecular characterization of *Xanthomonas campestris* pv. *vesicatoria* of African nightshades (*Solanum scabrum* Mill.). *International Journal of Biosciences*, 11(1): 190-197.
- 13. **Onyango B. O.**, Mbaluto C. M., Otieno D. O., Mutuku C. S. and Jagger H. **(2016).** Molecular characterization of wood ear mushrooms (*Auricularia* sp.) from Kakamega Forest in Western Kenya. *CurrentResearch in Environmental & Applied Mycology* 6 (1): 51–60.
- 14. Onyango B. O., Anyango B. A., Nyunja R. A., Skilton R. and Stomeo F. (2015). Morphological, genetic and symbiotic characterization of root nodule bacteria isolated from Bambara groundnuts (*Vignasubterranea* L. Verdc) from soils of Lake Victoria basin, western Kenya. Journal of Applied Biotechnologyand Biology: 3 (01):2015
- Onyango B. O., Otieno C.A. and Palapala V. A. (2013). Effect of Wheat bran supplementation with fresh and composted agricultural wastes on the growth of Kenyan native Wood ear Mushrooms [Auricularia auricular (L. ex Hook) Underw]. African Journal of Biotechnology. 12 (19): 2692-2698.
- 16. Onyango B. O., Palapala V. A., Arama P. F., Wagai S.O and Gichimu B. M. (2011). Morphological Characterization of Kenyan native Wood ear Mushrooms [Auricularia auricular (L. ex Hook) Underw.] and the effect of Supplemented Millet and Sorghum Grains in Spawn Production. North American Journal of Biology and Agriculture. 2 (3): 407-414
- 17. **Onyango B. O.**, Palapala V. A., Arama P. F., Wagai S.O and Otieno C. A. **(2011).** Nutritional Analysis of some Composted and Non Composted Substrates used for Cultivation of Kenyan Native Wood ear Mushrooms [Auricularia auricular (L. ex Hook) Underw.] *American Journal of Food and Technology.* 6 (9): 804 816.
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Referees Contacts

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