

<b>FULL NAME</b>	<b>PROF. REGINA NYUNJA</b>
Position/Title	Professor of Taxonomy and Economic Botany School of Biological, Physical, Mathematics and Actuarial Sciences
<b>PERSONAL DATA</b>	
Email address	<a href="mailto:rnyunja@jooust.ac.ke">rnyunja@jooust.ac.ke</a> / <a href="mailto:reginanyunja@gmail.com">reginanyunja@gmail.com</a> / <a href="mailto:reginanyunja@yahoo.com">reginanyunja@yahoo.com</a>
Telephone Number	Office +254 57 250 1804
Mobile	+254 721465969
<b>PROFESSIONAL TRAINING/EDUCATION</b>	
2007	<b>Doctor of Philosophy (PhD)</b> Maseno University
1987	<b>MSc. Plant Taxonomy and Economic Botany</b> University of Nairobi
1986	<b>Bachelor of Education (Sc)</b> Kenyatta University
<b>CHRONOLOGICAL LIST OF POSITIONS</b>	
July 13 <sup>th</sup> 2020 to date sept 2022	<b>Dean, School of Biological, Physical, Mathematics and Actuarial Sciences</b> Jaramogi Oginga Odinga University of Science and Technology
July 2018 to July 2020	<b>Dean School of Biological and Physical Sciences</b> Jaramogi Oginga Odinga University of Science and Technology
2015 Nov –June 2018	<b>Ag Dean School of Biological and Physical Sciences</b> Jaramogi Oginga Odinga University of Science and Technology
Sept 2014 to Nov 2015	<b>Chair of Department , Biological Sciences Principal</b>
2016 to date	<b>Associate Professor,</b> Plant Taxonomy and Economic Botany, JOOUST
2010-2016	<b>Senior Lecturer,</b> Botany. JOOUST
2003-2010	<b>Lecturer,</b> Maseno University.
1998-2003	<b>Tutorial Fellow,</b> Maseno University
1992 – 1998	<b>Research Scientist,</b> National Museums of Kenya, Nairobi
<b>SUPERVISION</b>	
2003 to date	Supervision of undergraduate project students
2005 to date	Supervision of graduate students MSc and PhD
<b>LIST OF UP TO 5 (FIVE) RECENT PUBLICATIONS (in standard citation forma</b>	

<p>Adera A. Norah, Onyango O. Benson, <b>Nyunja Regina</b>, Ogolla O. Fredrick 2021. Sweet Potato Leaf Spot Diseases and Farmer's Indigenous Knowledge in Parts of Western Kenya. <i>International Journal of Research Studies in Agricultural Sciences (IJRSAS)</i> Volume 7, Issue 10, 2021, PP 16-26ISSN No. (Online) 2454-6224DOI: <a href="http://dx.doi.org/10.20431/2454-6224.0710003">http://dx.doi.org/10.20431/2454-6224.0710003</a><a href="http://www.arcjournals.org">www.arcjournals.org</a></p>
<p>Mumbula, <b>Nyunja</b> and Chungu 2021. Microbial Load of Edible Termites (Macroterme spp) from Collection to Min Serenje District, Central Zambia. <i>Journal of Insects as Food and Feed</i>. DOI: <a href="https://doi.org/10.3920/JIFF2021.0091">10.3920/JIFF2021.0091</a></p>
<p>Jason Assanga Omufwoko, Prof. Michael O .Okwara , Dr. Nebert Kevogo , and <b>Prof. Regina O. Nyunja</b> Pedagogic Competencies Provided To Student Teachers through Biology Teacher Education in Universities in Kenya In Light of Classroom Practice. <i>Int Aca J Edu Lte</i>; Vol-1,(4):   Volume: 1 Issue:4 (Sept. 19, 2020) : 140-145 DOI: <a href="https://doi.org/10.47310">10.47310</a>"</p>
<p>Jason Assanga Omufwoko , Prof. Michael O .Okwara , Dr. Nebert Kevogo and <b>Prof. Regina O. Nyunja</b> Pedagogical and Assessment Practices Used By Lecturers in Biology Teacher Education in Universities in Kenya In Light of Classroom Practice. <i>Int Aca J Edu Lte</i>; Vol-1, (4):   Volume: 1 Issue:4 (Sept. 18, 2020) : 125-139 DOI: <a href="https://doi.org/10.47310">10.47310</a>"</p>
<p>Richard O. Magwanga,B., Joy N. Kirungua, Pu Lua, Xiu Yanga, Qi Donga, Xiaoyan Caia, Yanchao Xua, Xingxing Wanga, Zhongli Zhoua, Yuqing Houa, <b>Regina Nyunjab</b>, Stephen G. Agongb, Jinping Huac, Baohong Zhangd, Kunbo Wang,* and Fang Liu Genome wide identification of the trihelix transcription factors and overexpression of Gh_A05G2067 (GT-2), a novel gene contributing to increased drought and salt stresses tolerance in cotton. <i>Physiologia Plantarum</i> ISSN 0031-9317</p>
<p>Philip Onyango, <b>Regina Nyunja</b>, George Opande, Stephen Fedha Sikolia, 2019. Inventory, reward value and diversity of <i>Apis mellifera</i> nectariferous and polleniferous forage in Eastern Mau forest, Kenya. <i>International Journal of Scientific and Research Publications</i>, vol. 9, Issue 2, February 2019.</p>
<p>Philip Onyango, <b>Regina Nyunja</b>, George Opande, Stephen F. Sikolia, 2019. Melissopalynological determination of frequency of occurrence and Shannon weaver index of pollen types, <i>Apis mellifera</i> L. niche Amplitude, and Geographical origin of Ogiek honeys in Eastern Mau, Kenya. <i>International Journal of Research and Analytical Reviews (IJRAR)</i>, Vol 6, Issue 1 March 2019</p>
<p>Philip Onyango, <b>Regina Nyunja</b>, Stephen Fedha Sikolia, George Opande, 2019. Seasonal availability and floral calendar of <i>Apis mellifera</i> nectar and pollen forage in Easter Mau. <i>International Journal of Life Sciences Research</i> Vol. 7, Issue 1, pp: (88-97) ISSN 2348-3148</p>
<p><b>Angeline Atieno Ochung'</b>, Phillip Owuor Okinda, Lawrence Arot Oyango Manguro, Ishola Ishmael, <b>Regina A. Nyunja</b>, Charles O. ochieng', Sylvia A. Opiyo (2018). <b>Analgesics from <i>Lonchocarpus eriocalyx</i> Harms</b>; <i>Trends in Phytochemical Research</i> 2: (4) pp 253-260.</p>
<p><b>Angeline Atieno Ochung'</b>, Sylvia Awino Opiyo, Lawrence Arot Oyango Manguro, Phillip Okinda Owuor, Isaac Ogoche Jondiko, Regina Ochieng' Nyunja, Hosea Akala, Pauline Mwinzi (2015). <b>Bioactive Carbazole Alkaloids from <i>Alysicarpus ovalifolius</i> (Schumach)</b>-<i>Journal of the Korean Society for Applied Biological Chemistry</i> 58: (6) pp 839-846</p>
<p>Onyango P, <b>Nyunja R.</b> and Opande G. 2017. Validation of Hierarchical Cluster Solutions Based on Quantitative Pollen Characters of some <i>Indigofera</i> Linn species. <i>International Journal of Life Sciences Research</i> 5 (4) (37-44). ISSN 2348-3148</p>
<p><b>Angeline Atieno Ochung'</b>, Sylvia Awino Opiyo, Lawrence Arot Oyango Manguro , Regina Ochieng' Nyunja (2015). <b>A Unique Novel Flavone Glycoside and other Constituents of <i>Lonchocarpus eriocalyx</i> (Harms)</b>-<i>Philippine Journal of Science</i>-22: (5) pp 16-14.</p>
<p>Soi AC, Hayombe PO and <b>Nyunja RO</b>. 2016. Assessment of tree planting trend in Karemo Division in Siaya County Kenya. <i>Journal of Energy and Natural Resources</i>. ISSN: 2330-7366 (print);</p>

ISSN:2330-7404 (Online)
Onyango P., Opande G and <b>Nyunja R.</b> 2017. Implications of Pollen Character Coding and their Diagnostic Value in the Determination of Taxonomic Resemblance among some <i>Indigofera</i> Linn species. <i>International Journal of Life Sciences Research</i> <b>5</b> (3) ( 107-115). ISSN 2348-3148
Pascaline Jeruto*1 Peter Arama 2 Beatrice Anyango 3 <b>Regina Nyunja</b> 3 Catherine Taracha4 Sylvia Opiyo5. 2017. Morphometric Study of <i>Senna didymobotrya</i> (Fresen.) H. S. Irwin And Barneby in Kenya. <i>Journal of Natural Sciences Research</i> <a href="http://www.iiste.org">www.iiste.org</a> ISSN 2224-3186 (Paper) ISSN 2225-0921 (Online) Vol.7, No.6, 2017 54

#### LIST OF TOP 5 (FIVE) RESEARCH PROJECTS

Collaborators & Institution	Research Title of Project	Role	Funding period	Donor	Funding Amount (\$)
JOOUST	VLIR-UOS aimed at Strengthening ICT infrastructure to Enhance Research, Teaching and Learning under the program of Strengthening Jaramogi Oginga Odinga University of Science and Technology Capacity in Natural Resource Management, Food Security and Health - Belgium-VLIR fund 12 year-long project	member -	12 years	Belgian Govt.	6.5 B
JOOUST, MMUST KIRDI UON	NRF Covid Research fund	Member	2years	NRF S Africa	KSh 10M
JOOUST	Development of Decision Support System for Sustainable Participatory sub- catchment Water Resources Management in the Face of Deteriorating Climatic Conditions	Co-PI	2014 – 2015	USAID/RCMRD	1.8M
JOOUST KEMRI Maseno University	Unravelling the Anti-malarial and Antimicrobial agents from <i>Lonchocarpus eriocalyx</i> and <i>Alysicarpus ovalifolius</i>	PI	2012-2014	NACOSTI/NCST/ NRF	1.8M
JOOUST, Maseno, National Agriculture Research Labs	Genetic Diversity, Chemical Composition and ANTI-Microbial properties of <i>Senna didymobotrya</i> (Fresen), H. S. Irwin & Barneby	Co-PI	2011-2013	NACOSTI/NCST/ NRF	2.5M

	- NARL-Kabete					
JOOUST	<b>Benson O. Onyango.</b> Genetic Diversity and Symbiotic Efficiency of Bacteria which nodulate Soybeans ( <i>Glycine max</i> ) and Bambara ground nut ( <i>Vigna subterranea</i> ).	<b>Co PI</b>	<b>2011</b>	NACOSTI	1.2M	
JOOUST	NERICA rice roots under various treatments <b>Richard Magwanga</b>	<b>Co PI</b>	<b>2015</b>	NACOSTI	1.2M	

## CONSULTANCIES

<i>Year from – to</i>	<i>Position, Project / Programme, Company / Institution / Client Description of roles and responsibilities</i>
<b>2015</b>	RCMRD/ USAID capacity building and informed decision making
<b>2013</b>	Environment Impact Assessments (EIA)
<b>2009</b>	West Kenya Community Driven Development Project for Poverty Alleviation (WKCDD). Ministry of Special Programs; World Bank
<b>2008</b>	Environment Impact Assessment (EIA) for Kisumu Alternative Dumpsite by Gulf Stream Consultancies- SIDA sponsored undertaking for the Kisumu City Council
<b>2005</b>	Environment Impact Assessment (EIA) Shahajanand Quarries – Seme
<b>2005</b>	Environment Impact Assessment (EIA) Hayer Bin Shan Quarries – Seme
<b>2004</b>	Environment Impact Assessment (EIA) Some Petrol Stations Western Kenya