



# THE TECHNICAL UNIVERSITY OF KENYA

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## EDUCATION

LEVEL	QUALIFICATION NAME	INSTITUTION	YEAR
Doctor of Philosophy (PhD)	Pharmaceutical Science	Idaho State University(United States)	2007
Masters of Science (M.Sc.)	Biochemistry and Mole Biology	EGERTON UNIVERSITY(Kenya)	2000
Bachelor of Science (BSc)	Chemistry & Biochemistry	EGERTON UNIVERSITY(Kenya)	1996

## WORK EXPERIENCE

PERIOD	INSTITUTION	POSITION
2002 - 2007	Case Western Reserve university Medical centre and university hospitals	Post-doctoral associate scientist(Neuroscience)
2002 - 2007	Collage of Phamacy,Idaho staetes University	Research Assistant
2011 - *	Technical University of Kenya	Senior Lecturer
1997 - *	Nyanchw Adventist High School	High School Science and Maths teacher

SELECTED PUBLICATIONS

TITLE	LINK TO PULICATION
Coenzyme Q10 Ameliorates Potassium Cyanide-Induced Toxicosis in a Mouse Model	<a href="https://doi.org/10.1016/j.sciaf.2021.e00815">https://doi.org/10.1016/j.sciaf.2021.e00815</a>
Coenzyme Q10 protected against arsenite and enhanced the capacity of 2,3-dimercaptosuccinic acid to ameliorate arsenite-induced toxicity in mice	<a href="https://doi.org/10.1186/s40360-021-00484-z">https://doi.org/10.1186/s40360-021-00484-z</a>
Manganese exacerbated chronic khat-induced neurological deficits, inflammation and organ toxicity in a mouse model	<a href="https://doi.org/10.1007/s13530-021-00091-9">https://doi.org/10.1007/s13530-021-00091-9</a>
Coenzyme Q10 nullified khat-induced hepatotoxicity, nephrotoxicity and inflammation in a mouse model	<a href="https://doi.org/10.1016/j.heliyon.2020.e04917">https://doi.org/10.1016/j.heliyon.2020.e04917</a>
Scientific Writing for Students and Young and Scientists	<a href="https://www.amazon.com/Scientific-Writing-Students-Young-Scientists/dp/151428961X">https://www.amazon.com/Scientific-Writing-Students-Young-Scientists/dp/151428961X</a>
Coenzyme Q10 and cerebral malaria in mice: Questionable interpretations, improbable usefulness in humans	<a href="https://doi.org/10.1016/j.parint.2019.101970">https://doi.org/10.1016/j.parint.2019.101970</a>
Oral administration of Coenzyme Q 10 protects mice against oxidative stress and neuro-inflammation during experimental cerebral malaria	<a href="https://doi.org/10.1016/j.parint.2019.04.010">https://doi.org/10.1016/j.parint.2019.04.010</a>
Coenzyme Q10 Protect Mice Against Inflammatory Responses During Experimental Cerebral Malaria	<a href="https://www.iiste.org/journals/index.php/INSR/article/view/46051/47720">https://www.iiste.org/journals/index.php/INSR/article/view/46051/47720</a>
Oral administration of coenzyme Q10 has the capacity to stimulate innate lymphoid cells class two during experimental cerebral malaria	<a href="http://10.9734/SAJP/2019/46442">http://10.9734/SAJP/2019/46442</a>
Coenzyme Q10 and endogenous antioxidants neuro-protect mice brain against deleterious effects of melarsoprol and Trypanosoma brucei rhodesiense	<a href="https://www.iiste.org/journals/index.php/INSR/article/view/41230">https://www.iiste.org/journals/index.php/INSR/article/view/41230</a>
Prevalence and Concentration of Lead (Pb) and Cadmium (Cd) in Kales (Brassica oleracea Acephala) & Spinach (Spinacia oleracea) Sold at Masaku County, Kenya	<a href="https://www.sciencepublishinggroup.com/journal/paperinfo?journalid=614&amp;doi=10.116486/ijfsh.20200504.16">https://www.sciencepublishinggroup.com/journal/paperinfo?journalid=614&amp;doi=10.116486/ijfsh.20200504.16</a>
Kenyan purple tea anthocyanins and coenzyme-Q10 ameliorate post treatment reactive encephalopathy associated with cerebral human African trypanosomiasis in murine model	<a href="http://10.1016/j.parint.2014.01.001">http://10.1016/j.parint.2014.01.001</a>
Chronic mitochondrial DNA depletion in peripheral neural cell lines and its implications in peripheral neuropathy	<a href="https://go.gale.com/ps/i.do?id=GALE%7CA362273375&amp;sid=googleScholar&amp;v=2.1&amp;it=r&amp;linkaccess=fulltext&amp;issn=05363012&amp;p=AONE&amp;sw=w&amp;userGroupName=anon%7F29dc8f1a">https://go.gale.com/ps/i.do?id=GALE%7CA362273375&amp;sid=googleScholar&amp;v=2.1&amp;it=r&amp;linkaccess=fulltext&amp;issn=05363012&amp;p=AONE&amp;sw=w&amp;userGroupName=anon%7F29dc8f1a</a>
Coenzyme Q10 prevented full blown splenomegaly and decreased melarsoprol-induced reactive encephalopathy in mice infected with Trypanosoma brucei rhodesiense	<a href="http://10.12980/jcim.2.2014c903">http://10.12980/jcim.2.2014c903</a>
Kenyan purple tea anthocyanins ability to cross the blood brain barrier and reinforce brain antioxidant capacity in mice	<a href="http://10.1179/1476830513Y.0000000081">http://10.1179/1476830513Y.0000000081</a>
Antifungal activity of crude tea extracts	<a href="https://doi.org/10.5897/AJAR2013.6742">https://doi.org/10.5897/AJAR2013.6742</a>
Sex-specific induction of CYP6 cytochrome P450 genes in cadmium and lead tolerant Anopheles gambiae	<a href="https://doi.org/10.1186/1475-2875-12-97">https://doi.org/10.1186/1475-2875-12-97</a>
Reduced glutathione regenerating enzymes undergo developmental decline and sexual dimorphism in the rat cerebral cortex	<a href="https://doi.org/10.1016/j.brainres.2009.05.029">https://doi.org/10.1016/j.brainres.2009.05.029</a>
Abnormal brain iron homeostasis in human and animal prion disorders	<a href="http://10.1371/journal.ppat.1000336">http://10.1371/journal.ppat.1000336</a>
Prion protein modulates cellular iron uptake: a novel function with implications for prion disease pathogenesis	<a href="http://10.1371/journal.pone.0060468">http://10.1371/journal.pone.0060468</a>
Effects of continuous hypoxia on energy metabolism in cultured cerebro-cortical neurons	<a href="https://doi.org/10.1016/j.brainres.2008.06.074">https://doi.org/10.1016/j.brainres.2008.06.074</a>
Metabolic and antioxidant system alterations in an astrocytoma cell line challenged with mitochondrial DNA deletion	<a href="http://10.1007/s11064-007-9380-3">http://10.1007/s11064-007-9380-3</a>
Manganese treatment modulates the expression of peroxisome proliferator-activated receptors in astrocytoma and neuroblastoma cells	<a href="http://10.1007/s11064-006-9173-0">http://10.1007/s11064-006-9173-0</a>
Isolation and biochemical characterization of transferrin from the tsetse fly, Glossina morsitans centralis	<a href="https://doi.org/10.4314/ejmb.v23i2.35910">https://doi.org/10.4314/ejmb.v23i2.35910</a>