

DR. EVANS K. OKEMWA, PhD

A. PERSONAL DATA:

Name: Okemwa Evans Kenanda
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National ID 10908925
Citizenship Kenyan
Date of Birth: 18/10/1971
Married Status: Married



Dr. Okemwa Evans Kenanda, PhD

B. EDUCATION & TRAINING

Certificate	Institution	Year of completion
1. Master of Business Administration	Kisii university, Kisii	2016- continuing
2. Doctor of Philosophy (Organic Chemistry)	University of Nairobi	2016
3. Master of Science (Chemistry)	Egerton University	2004
4. Postgraduate Diploma in Education (PGDE)	Kenyatta University	2002
5. Bachelor of Science (chemistry/biochemistry)	Egerton University	1995
6. KSCE	Itibo Boys' High Sch.	1989
7. KCPE	Bomorito Pri. School	1985

C. AREA OF RESEARCH INTEREST

- Phytochemical investigation of medicine plants for their bioactive principles
- Synthetic modification of natural bioactive compounds for anti-microbial effects

D. INTERNATIONAL / LOCAL SEMINARS AND CONFERENCES

Sponsors	Topics	Place / Period
1. Natural Product Network for Eastern and Central Africa (NAPRECA)	- Modern Methods of Structural Analysis of Natural Products Presented a paper on 'Pyrazoline derivatives of <i>Polygonum senegalense</i> chalcones as promising anti-microbial agents.	13 th – 16 th March 2012 Khartoum, Sudan
2. DAAD	- Poster Training	3 rd – 10 th December 2013, Sarova Panafric Hotel, Nairobi,
3. NAPRECA and AAMPS	- Ethno-veterinary Medicine Symposium	1 st – 12 th August 2011 (University of Nairobi) & ICIPE, Nairobi

E. SCHOLARSHIPS / GRANTS AWARDED

- National Commission for Science, Technology and Innovation (NACOSTI) PhD Research Grant. 9th floor, Utalii House, Uhuru Highway P.O. Box 30623-00100, Nairobi – Kenya. 2014
- International Science Programme (ISP), 2013

F. PUBLICATIONS

1. Bochaberi Omoko Janes, John Onam Onyatta, **Okemwa Kenanda Evans**. 2017. Kinetics of cadmium adsorption in aqueous media using banana stem biomass. *International journal of scientific research engineering & technology (IJRET)*. ISSN 2278-0882 Vol. 6 Issue 7 July 2017
2. **Okemwa Evans Kenanda** and Leonidah Kerubo Omosa. Semi- Synthetic Pyrazoline analogues of *Polygonum Chalcones* and their anti-microbial Agents. *Pharmacog. Commns.* 2017; 7 (1) 53 – 60
3. **Okemwa Evans Kenanda** and Leonidah Kerubo Omosa. Pyrazole, isoxazoline and bipyrimidine derivatives from *Polygonum senegalense* and *Psiadia punctulata* flavonoids and their anti-fungal activities. *Pharmacog. Commns.* 2017; 7(1) 47-52.
4. Leonidah Kerubo Omosa and **Okemwa Evans Kenanda**. Antiplasmodial activities of the bark extract and compounds of *Zanthoxylum gilletti* (Del wild). *Pharmacog. Commns.* 2017; 7(1)41-46
5. Omoko Bochaberi Janes, Onyatta John, Nyabaro Obed, **Kenanda Okemwa Evans**. Level of metal pollutants in water from Nyakomisaro stream through Kisii town. *International Journal of science and Research (IJSR)*. 2016, ISSN (online): 5(7) 2319-7064.
6. Isaboke Abel, Njagi Njomo, Obed Nyabaro, **Evans Okemwa Kenanda**. Determinations of elected heavy metals using modified glassy-carbon black infused with clay. *International Journey of Science and Research (IJSR)*. 2016. ISSN (online): 5(7) 2319-7064.
7. Leonidah Kerubo Omosa, Hosea Akala, **Evans Okemwa Kenanda**, Beth Ndunda. Variability of Surface Exudates of *Dodonea Angustifolia* L. F., Anti-Oxidant and Antiplasmodial Activities of the Compounds. *Journal of Natural Sciences Research*. 2016 (1) (6): 78-85.
8. Richard Mogwasi, Evans Okemwa Kenanda, Benuel Nyagaka, Hudson Nyambaka, Jane Murungi, Zachary Getenga, Enock Amboga, Evans Onyancha, Samuel Abuga 2012. Effect of Occupation on the Lead Levels of Human Blood in Kenya. *IISTE*, Vol. 3 No. 4 (2013): 2224-3224.
9. D. R. Muchiri, S. T. Kariuki, **E. K. Okemwa** and J. M. Kariuki (2011). Investigation of physical and chemical properties of *Girardinia diversifolia bullosa* and *Girardinina divesifolia* (urticaceae) seed oil. *Int. J. of professional practice* 2(3), 187-197

G. SUPERVISION

(a)Masters

Name	Title	Year of completion
1. Isaboke Peter Abel	- Comparative determination of heavy metals with atomic absorption spectrometer and carbon black –clay modified glassy carbon platform.	2017
2. Janes B. Omoko	- Kinetics and equilibria of metal pollutants in water from Nyakomisaro stream through Kisii town, as influenced by banana (<i>Musa acuminata</i>) stem biomass adsorption.	2017

H. POSTGRADUATE PROJECTS IN PROGRESS

Student's name	Reg. No.	Title	Degree
1. Okerio, K.N	MPS13/70001/14 (Kisii University)	Phytochemical Investigation of the Kenyan <i>Croton sylvaticus</i> and <i>C. macrostachyus</i> for anticancer principles.	MSc
2. Kitur, P.C	7) MPS13/70011/14 (Kisii University)	Phytochemical Investigation of the leaves, stem and root bark of <i>Spathodea campanulata</i> for cytotoxic principles against drug sensitive and multidrug resistant cancer cell lines.	MSc
3. Ombongi, L.S	8) MPS13/70008/14 (Kisii University)	Phytochemical Investigation of the stem bark of the Kenyan <i>Tabernaemontana staphiana</i> and the leaves of <i>Strychnos abyssinica</i> for anticancer principles.	MSc
4. Moraa, M.O	9) MPS13/70007/14 (Kisii University)	Phytochemical Investigation of the stem and root bark of <i>Zanthoxylum gillettii</i> for cytotoxic principles against drug sensitive and multidrug resistant cancer cell lines.	MSc
5. Lilian W. W	MPS13/70045/15 (Kisii University)	Phytochemical Investigation of the Root of <i>Milletia leucantha</i> for Antibacterial Properties	MSc
6. Otao B. Askah	MPS13/70015/15 (Kisii University)	Phytochemical Investigation of <i>Strychnos usambarensis</i> an anti-cancer agents	MSc

I. COURSES CURRENTLY TEACHING

(a) MSc courses

1. CHEM 810: Modern methods of organic synthesis
2. CHEM 801: Environmental chemistry
3. CHEM 802: Bioinorganic Chemistry
4. CHEM 813: Advanced organic spectroscopy

(b) Undergraduate course

1. CHEM 437: organic spectroscopy
2. CHEM 324: Physical methods of structure determination
3. CHEM 436: Advanced stereochemistry and reaction mechanisms

J. RESPONSIBILITIES / WORK EXPERIENCE

Position / institution	Responsibilities / duties	Period/ experience
1. Dean - Faculty of Pure & Applied Sciences, KSU	- Academic and administrative responsibilities	Sept 2016 – present
2. Lecturer - DEPT of chemistry, KSU		
3. Assistant lecturer - DEPT of chemistry, KSU	- Teach and supervise undergraduate degree students	July 2014 – Nov 2016
4. Head of Chemistry- Kavumu College of Education (Constituent of Kigali Institute of Education), Kigali, Rwanda	- Oversee and coordinate teaching and supervision of chemistry students	2010 - 2011
5. Chemistry tutor	- Teach and supervise education science students	2008 - 2011
6. Graduate Chemistry Teacher 1- Kebirigo High School, Nyamira	- Teach and prepare students for KCSE examinations; carry out any other duties as directed by the principal	2003 - 2008
7. District SMASE chemistry trainer – Nyamira district	- To in-service science and mathematics secondary school teachers for effective teaching/learning process;	2004 - 2008
In-service training SMASE Coordinator - Kebirigo high school	- to organize and coordinate SMASE programmes/activities at Kebirigo High School INSET centre	2006 - 2008
9. graduate teacher II – Cheplanget high school, Sotik	- Teach and prepare students for KCSE examinations; carry out any other duties as directed by the principal	2002-2006
10. Untrained Graduate teacher - Talai high school, Baringo	- Teach and prepare students for KCSE examinations; carry out any other duties as directed by the principal	1986-1988

REFEREES

- 1. Prof. Fredrick Wanyama, PhD**
DVC (academic and students affairs),
Kisii university
P. O. Box 408-40200, Kisii – Kenya
Tel: 0722233479
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- 2. Prof. Jacob O. Midiwo, PhD**
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- 3. Dr. Leonidah Kerubo Omosa, PhD**

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