

CURRICULUM VITAE

Name: MzeeJuma Amana
Date of birth: September 2, 1970
Sex: Male
Marital status: Married
Nationality: Kenyan
National I/D no.: 10958175

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Academic Qualifications:

Ph.D. in Biochemistry.

Egerton University, Njoro, Kenya.

Graduation: November 27, 2009

Thesis title: "Molecular Classification of Kenyan wheat varieties".

Master of Science in Biochemistry,

Egerton University, Njoro, Kenya.

Graduation: November 10, 2000

Thesis title: "Effects of Hydration-dehydration and Iodination treatments on seed vigor and viability of *Duma* and *Kwale*wheat varieties".

***Bachelor of Science* in Biochemistry/Chemistry,**

Egerton University, Njoro, Kenya.

Graduation: November 24, 1995

Honors: Second Class (Upper Division)

Cumulative Grade: 66.46%

Professional Experiences:

2010 – Date ***Lecturer***
Chemistry/Biochemistry Department, Pwani University, Kilifi,
Kenya

2005 – 2010 ***Lecturer***

Biochemistry & Molecular Biology Department, Egerton University, Njoro, Kenya.

Assistant Lecturer

Biochemistry & Molecular Biology Department, Egerton University, Njoro, Kenya.

March 2001 - February 2005

Graduate Teaching Assistant

Biochemistry & Molecular Biology Department, Egerton University, Njoro, Kenya.

May 1996 - February 2001

Supervising Biochemistry practicals and grading students.

Analyst

Mac's Pharmaceutical Limited, Nairobi, Kenya.

Qualitative and Quantitative analysis of the pharmaceutical products and reporting to the Quality Control Manager.

August 1995 - April 1996

Administrative Responsibilities:

- Acting Chair Department of Chemistry and Biochemistry 25th – 27th February, 2014
- Acting Chair Department of Chemistry and Biochemistry 13th – 19th August, 2013
- Departmental Examination and Time Tabling Co-ordinator
- Departmental Workload Co-ordinator
- Member – Departmental Curriculum Committee
- Member – Departmental Graduate Studies Committee
- In-charge of calendar and brochures preparation in the Department of Biochemistry & Molecular Biology.
- Academic Adviser for Second Year Biochemistry students.

Proposal:

- Submitted proposal to NCST “Promotion of mushroom production for human health livelihood improvements for local community and waste water management systems in Kilificounty at the Kenyan Coast” on 29th August 2012.

Activities:

- Successfully completed a training in Bioethics and Good Clinical Practice (Lite) held on 1st – 3rd October, 2014 in Mombasa, Kenya.
- Participated in Bioinnovate Scientific Conference. “Harnessing Bio-resource innovations for Socio-economic Transformation of Eastern Africa”. Held at UNECA, Addis Ababa from 25th – 27th February, 2013.

- Attended the launching of Pan-African Mosquito Control Association – Kenya Chapter held at KEMRI Training centre, Nairobi on 3rd October 2012
- Participated in Bioinnovate Project 4: Inception workshop at Kilifi Bay Beach Resort held from 18th to 19th march 2011.
- Attended Digital Resources Training workshop on “Promoting Usage of Electronic journals (AGORA, OARE, HINARI and TEEAL” organized by Pwani university College in collaboration with Information Trainning and Outreach Centre for Africa (ITOCA)” held from 18th to 19th October 2010 at Pwani University College.
- Attended a proposal writing workshop on “Project Proposal Development and Communication Skills Enhancement Training” held from 10th to 12th November 2009 at Crop Management Research Training (CMRT), Njoro.
- Participated in University Academic Advising training held on 18th February 2009 at Egerton University.
- Presiding officer during the October 2008 SUEU elections
- Participated in International Conference on Bioethics – Theme: “Bioethical Perspective and Practices in Research, Medicine, Life Sciences and related Technologies in Sub-Saharan Africa” held on 12th to 14th August 2008 at Egerton University
- Patron, Egerton Muslim Students Association- August, 2008 – May, 2010
- Secretary, Biochemistry Staff Welfare Association – 2003 to May, 2010.
- Participated in the German Academic Exchange Service (DAAD) SEMINAR on “Skills in Research” held from 23rd to 25th January 2002 at Egerton University, Njoro.
- Attended the 13th Annual Ramadhan Convention at Islamic University in Uganda held on 14th – 17th December 2000. Theme was “Islam the Solution to Humanity and Enchatology”.
- Member, Egerton Muslim Students Union - 1990-1995
- Member, Egerton Swimming Club - 1990-1995
- Treasurer, Egerton Muslim Students Union - 1992-1993

Reviewed Proposals:-Enhanced Removal Of Residual Oil And Microbes From Petroleum Refineries Industry Effluent Using Chitosan Coated Silver Nanoparticles

- Direct Electrochemical Cyanation of cyclic amines using Potassium hexacyanoferrate as a source of cyanide and sunlight as a source of energy

Student supervision: Nutritional analysis of mushroom and baobab fruit
(Student Projects)

Scholarships:

- DAAD Scholarship for PhD – 2004
- Egerton University Scholarship for MSc – 1997

Interests: Teaching Biochemistry and carrying out research in the field of mushroom and wheat Biochemistry

Hobbies: Reading, travelling and cycling.

Publications

Mutemi Muthangya, Anthony M. Mshandete, Mzee J. Amana, Suhaila O. Hashim and Amelia K. Kivaisi (2014). Nutritional and antioxidant analysis of *Pleurotus* HK 37 grown on *Agave sisalana* saline solid waste. *International Journal of Research in Biochemistry and Biophysics*. 4(2): 5- 12.

Muthangya, M., Mshandete, A. M., Hashim, S. O., Amana, M. J. and Kivaisi, A. K. (2013). Evaluation of Enzymatic Activity during vegetative growth and fruiting of *Pleurotus* HK 37 on *Agave sisalana* saline solid waste. *Journal of Chemical, Biological and Physical Science*. 4(1): 247 – 258.

Muthangya, M., Hashim, S. O., Amana, J. M., Mshandete, M. J. and Kivaisi, A. K. (2013). Optimisation of *Pleurotus* Mushroom cultivation on saline solid waste. *World Applied Sciences Journal*. 23(9): 1146 – 1150.

Muthangya, M., Hashim, S. O., Amana, J. M., Mshandete, M. J. and Kivaisi, A. K. (2013). Auditing and Characterisation of sisal processing waste: A bioresource for value addition. *APRN Journal of Agricultural and Biological Science*. 8(7): 518 – 524.

Amana, M. J., Bhattacharjee, M. and Wanjama, J. K. (2003). Effects of Hydration-dehydration and Iodination on seed-borne fungi of *Duma* wheat variety. *African Journal of Science and Technology*. 4(1): 62-66.

Amana, M. J., Bhattacharjee, M. and Wanjama, J. K. (2005). Effects of Iodination on Membrane Integrity of drought resistant *Duma* and Non-drought resistant *Kwale* Kenyan Wheat Varieties. *Discovery and Innovation*. 17 (3/4): 173-179.

Amana, M. J., Bhattacharjee, M. and D. M. Mburu. Molecular composition of the high molecular weight glutenin subunit of Kenyan wheat varieties. (Submitted)

Referees: Dr. J. O. Maina
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Dept. of Medical Biochemistry
School of Medicine
Moi University
(MTRH) Eldoret, Kenya.

Dr. Rotich
Dean, Faculty of Science
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P.O. Box 536
Njoro, Kenya

Prof. Ali Salim
Associate Professor, Mathematics
Egerton University
P.O. Box 536
Njoro, Kenya

Dr. Amana MzeeJuma

January 30, 2015