

CURRICULUM VITAE

DR. JUMA A. MMONGOYO

CONTACT INFORMATION

Department of Chemistry
Mkwawa University College of Education
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NATIONALITY: Tanzanian

TITLE: Lecturer of Organic Chemistry and Food Science

EDUCATION

2012-2016	Michigan State University	Ph.D. Food Science
2008-2011	University of Dar es Salaam	M.Sc. Chemistry
2003-2007	University of Dar es Salaam	B.Sc. Ed. Chemistry & Biology

APPOINTMENTS & POSITIONS

2016-present: Head, Department of Chemistry, Mkwawa University College of Education, Iringa, Tanzania.

2012-2016: Research Assistant with Prof. Gale Strasburg at Michigan State University, East Lansing, USA.

2011-2012: Head, Chemistry Section, Mkwawa University College of Education, Iringa, Tanzania.

2010-2011: Research Assistant and Visiting Scholar with Prof. David Cole-Hamilton, at University of St. Andrews, Scotland, UK.

RESEARCH INTEREST

Fields: Organic Chemistry, Food Chemistry, Food Safety, Mycotoxins, Environmental and Food Risk Assessments.

Methods: Synthesis, Spectroscopic Analysis of Organic Compounds, Mycotoxins Surveys, Risk Assessments.

TEACHING

- Teaches CH 611: Heterocyclic Chemistry to Master Students at Mkwawa University College of Education
- Teaches undergraduate courses at Mkwawa University College of Education:
 - Organic Chemistry I (CH 117) 2016-present
 - Organic Spectroscopy (CH 323) 2016-present
 - Organic Chemistry II (CH 243) 2011-2012
 - Chemistry for Biology Students (CH 113) 2011-2012

AWARDS

- Recipient of Michigan State Graduate School Dissertation Completion Fellowship (2016).
- Recipient of iAGRI-USAID Doctoral Scholarship (2012-2016).

PUBLICATIONS

Peer-Reviewed Journals

1. **J. A. Mmongoyo**, M.G. Nair, J. E. Linz, F. Wu, J. K. Mugula, A. A. Dissanayake, C. Zhang, D. M. Day, J. M. Wee and G. M. Strasburg (2017), Bioactive compounds in *Diospyros mafiensis* roots inhibit growth, sporulation and aflatoxin production by *Aspergillus flavus* and *Aspergillus parasiticus*, *World Mycotoxin Journal*, 2017, 10 (3): 237-248.
2. **J.A. Mmongoyo**, F. Wu, J. E. Linz, M. G. Nair, J. K. Mugula, R. J. Tempelman, G. M. Strasburg (2017), Aflatoxin Levels in Sunflower Seeds and Cakes Collected from Micro- and Small-Scale Sunflower Oil Processors in Tanzania. *PLoS ONE* 12(4): e0175801. <https://doi.org/10.1371/journal.pone.0175801>.
3. **J. A. Mmongoyo**, Q. A. Mgani, S. J. M. Mdachi, P. J. Pogorzelec, and D. J. Cole-Hamilton (2012), Synthesis of a kairomone and other chemicals from cardanol, a renewable resource. *European Journal of Lipid Science and Technology*, 114(10), 1183–1192. doi:10.1002/ejlt.201200097.

REFEREES

1. Prof. Gale Strasburg, Department of Food Science and Human Nutrition Michigan State University, 469 Wilson Road, East Lansing, MI 48824. Office Tel. (517) 353-3414, Fax: (517) 432-0753. Email: stragale@anr.msu.edu

2. Prof. Jovin K. Mugula, Department of Food Technology, Nutrition and Consumer Sciences. Sokoine University of Agriculture, Morogoro, Tanzania Phone +255754564978, Email: jmugula@yahoo.com
3. Dr. Quintino A. Mgani, Senior Lecturer of Organic Chemistry University of Dar es Salaam Chemistry Department, P.O. Box 35061, Dar es Salaam, Tanzania. Email qamgani@yahoo.co.uk
4. Prof. David Cole-Hamilton School of chemistry Purdie Building University of St Andrews North Haugh St Andrews, KY16 9ST, Scotland UK, E-mail djc@standrews