

MINAH MMONI MOSELE, PhD.
CV Raman Post - Doctoral Fellow
Food Scientist

ADDRESS

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EDUCATION

Start/End Date

Name of Institution, City.

1. January 2008/June 2012

University of Copenhagen
Copenhagen
Denmark
PhD in Food Science

2. January 2001/April 2004

University of Pretoria
Pretoria
South Africa
Master's Degree in Food Processing

3. August 1995/May 1999

University of Botswana
Gaborone
Botswana
B.Ed in Home Economics

PROFESSIONAL AFFILIATION

A Member of the South African Association for Food Science and Technology (SAAFoST).

ACADEMIC ACHIEVEMENTS

1. Received the 2nd Position for Innovation and Creativity Award for Ministry of Agricultural Development and Food Security (MOA) Excellence Awards for 2018.
2. Received the 2nd Position for Technical Excellence Award for Ministry of Agricultural Development and Food Security (MOA) Excellence Awards for 2017.
3. Won the Ginsberg Award for the best poster presentation at the 17th International South African Association for Food Science and Technology (SAAFoST) Congress.

COMPUTER SKILLS

Microsoft Word
Microsoft Power Point
Microsoft Excel
Microsoft Project
Statistica
Latentix

POST DOCTORAL RESEARCH

Start-End Date

August 2013-October 2013

Name of Institution, City.

Institute of Chemical Technology
Mumbai
India

CV Raman Post-Doctoral Fellowship

POST GRADUATE / PROFESSIONAL TRAINING & WORKSHOPS

Start/End Date

Name of Institution, City, Country.

1. August 2018
World Intellectual Property Organisation (WIPO)
Gaborone
Botswana
Development of the Technology & Innovation Support Centre (TISC) Network
2. April – June 2018
SDG Academy
Food & Agriculture Organisation of the United Nations (FAO)
Feeding a Hungry Planet: Agriculture, Nutrition & Sustainability
3. October 2017
Swedish University of Agricultural Sciences (SLU)
Uppsala
Sweden
Introduction Course in Theory of Change & Systematic Review
4. December 2016
World Agroforestry Centre (ICRAF)
Nairobi
Kenya
Introduction Course in Meta-Analysis
5. July 2016
Courage Ventures
Pretoria
South Africa
Lean Entrepreneur in Biosciences
6. October 2015
Botswana Qualification Authority (formerly BQA)
Gaborone
Botswana
Fully Registered Assessor
7. March 2015
MaST Botswana
Kanye
Botswana
Industrial Relations
8. March 2015
Leaf Green Training Solutions
Kanye
Botswana
Professional Supervisor
9. March 2015
Botswana Bureau of Standards (BOBS)
Gaborone
Botswana

BOS ISO 9001: 2008 Lead Auditor / Auditor

10. December 2014 Botswana Bureau of Standards (BOBS)
Gaborone
Botswana
BOS ISO 9001: 2008 Documentation
11. November 2014 Quality Skills and Framework Consultancy
Gaborone
Botswana
Assessors Training Workshop, accredited by Botswana Qualifications Authority (BQA)
12. March 2014 Botswana Bureau of Standards (BOBS)
Gaborone
Botswana
Implementation of a Quality Management System according to ISO 9001: 2008
13. February 2014 Botswana Qualification Authority (formerly BQA)
Gaborone
Botswana
Fully Registered Trainer
14. December 2013 MaST Botswana
Kanye
Botswana
Team Effectiveness Leading Change
15. March 2013 Indian Institute of Packaging
Mumbai
India
Packaging of Fresh and Processed Food Products
16. June 2007 Food and Agriculture Organisation (FAO)
Kanye
Botswana
Training of Trainers Workshop – Food Laboratory Management
17. February - June 2007 Von Holy Consulting CC
Johannesburg
South Africa
Introduction and Implementation of PRPs & HACCP
18. November 2005 Cereal Science and Technology Southern Africa (CST-SA)
Pretoria
South Africa
International Carbohydrate Workshop
19. November 2002 Agricultural Research Council (ARC)
Pretoria
South Africa
3rd Eastern, Central and Southern Africa (ECSA)

Production and Use of Food Composition Data

PROFESSIONAL APPOINTMENTS

Start Date – End Date

Name of Institution

Title, Area of Speciality

July 2020 – to date

Director for Food Science & Technology, National Agricultural Research and Development Institute (NARDI)

December 2015 to June 2020

Principal Research Scientist (Developmental) and Head of Department (from January 2014), Food Technology Department, NFTRC.
Trainer of Trainers under the Skills Transfer Programme, NFTRC.

August 2013 to November 2015

Senior Research Scientist and Acting Head of Department (from January 2014), Food Technology Department, NFTRC.
Trainer of Trainers under the Skills Transfer Programme, NFTRC.

August 2005 to July 2013

Research Scientist
Extension & Training Department, then transferred to Food Technology Department, NFTRC.
Trainer of Trainers under the Skills Transfer Programme, NFTRC.

March 2005 – July 2005

Temporary Research Assistant – University of Botswana.

January 2004 to January 2005

Contract Employment - Extension & Training Officer, Extension & Training Department, NFTRC.

My personal duties include research in cereals and legumes; cereal and legume processing technologies and product development; training clients in food safety and different food processing technologies, which are accredited by the accreditation body in Botswana (i.e. BQA). Currently, I am working on products diversification using sorghum as a raw material and some of the products we are finalising include gluten-free bread formulations. I oversee a team of 16 researchers focusing on meat, fruits and vegetables, indigenous foods and dairy; where we develop products according to clients' requests; or develop products according to our institutional objectives for the year, taking all the products through the product development stages, including sensory evaluation and shelf life studies. Our department also assists clients in up-scaling their formulations from bench scale (or kitchen scale) to pilot plant scale; with some of the clients signing technology transfer and non-exclusive, as well as exclusive intellectual property rights on the technology transferred.

PUBLICATIONS

Refereed Journals

Mosele, M. M., Hansen, Å. S., Hansen, M., Schulz, A., & Martens, H. J. (2011). Proximate composition, histochemical analysis and microstructural localisation of nutrients in immature and mature seeds of marama bean (*Tylosema esculentum*) - an underutilised legume. ***Food Chemistry*, 127, 1555-1561.**

Mosele, M. M., Hansen, Å. S., Engelsens, S. B., Diaz, J., Sørensen, I., Ulvskov, P., Willats, W. G. T., Blennow, A., & Harholt, J. (2011). Characterisation of the arabinose-rich carbohydrate

composition of immature and mature marama beans (*Tylosema esculentum*). ***Phytochemistry*, 72, 1466-1472.**

Thesis Book

Mosele, M.M. (2012). Chemical and Structural Characterisation of Marama Bean (*Tylosema esculentum*) Carbohydrates. **ISBN 978-87-7611-508-1 © Minah Mmoni Mosele.**

POST GRADUATE SEMINARS / SYMPOSIUMS / CONFERENCES

Date	Name of Conference	Country
July 2017	Research & Innovation Symposium 2017	Botswana
March 2016	Pan-African Grain Legume & World Cowpea Conference	Zambia
September 2013	Traditional Foods: Challenges & Innovations	Mumbai
December 2010	IUFoST	South Africa
July 2009	Eurocarb 15	Austria
September 2004	Making Markets Matter	South Africa

RESEARCH PROJECTS

Name of Project/Title, Name of Authors, Date

PhD project: Chemical and Structural Characterisation of Marama Bean (*Tylosema esculentum*) Carbohydrates, Minah Mmoni Mosele, June - 2012.

Master's Degree project: Physico-Chemical Effects of Micronization on Cowpeas (*Vigna unguiculata* L. Walp), Minah Mmoni Mosele, April, 2004.

TEACHING EXPERIENCE

August 2013:	Guest Lecturer
Course:	Post-Harvest Processing and Quality Evaluation of Food Grains, Undergraduate Food Science Module, University of Botswana.
2008 & 2009:	Guest Lecturer
Course:	Food Quality and Processing Technologies Course, MSc Module, University of Copenhagen.

DATE OF BIRTH: 13th January, 1976

PLACE OF BIRTH: Gaborone, Botswana

LANGUAGES: English (Excellent)
Setswana (Excellent)
Danish (Basic)

MARITAL STATUS: Married

REFEREES

Dr. Boitshepo M. Keikotlhaile
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National Food Technology Research Centre (NFTRC)
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Associate Professor Åse Hansen
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Rolighedsvej 30
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Professor Rekha S. Singhal
Institute of Chemical Technology (ICT)
Department of Food Engineering and Technology
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