



FACULTY OF SCIENCE

Department of Chemistry & Biochemistry



Dr. M. Kandawa-Schulz
Senior Lecturer (Biochemistry/Biotechnology)



Birth Place: Namibia
Specialization: Biochemistry/Biotechnology
Current Research Activities:

- European Union (EU) funded project on characterization of marama beans (*Tylosema Esculentum*)
- EU funded project on molecular, environmental and nutritional evaluation of Bambara groundnut.

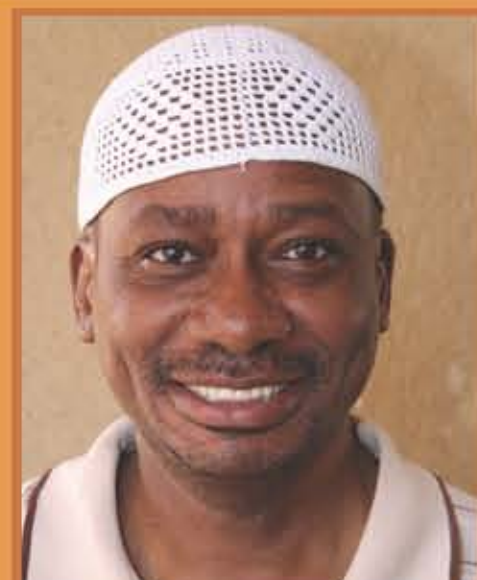
Prof. E.M.R. Kiremire
Associate Professor (Inorganic Chemistry)



Birth Place: Uganda
Specialization: Coordination Chemistry of Transition Metals
Current Research Activities:

- Synthesis of coordination complexes containing thio-based ligands
- Synthesis of coordination complexes containing nitroxyl ligands.

Prof. E. F. Archibong
Associate Professor (Physical Chemistry)



Birth Place: Nigeria
Specialization: Computational chemistry of atoms, molecules and clusters.
Current Research Activities:

- Electronic structure of semiconductor clusters.
- Computational modeling of the interaction of ozone with thio-phenol, seleno-phenol and DNA bases.

Prof. Wang
Associate Professor (Industrial Chemistry)



Birth Place: China
Specialization: Nanomaterials, Chemical Engineering
Current Research Activities:

- Nanomaterials

Dr. H.R. Lofty
Senior Lecturer (Analytical Chemistry)



Birth Place: Egypt
Specialization: Analytical and Organic Chemistry.
Current Research Activities:

- Wastewater treatment
- Extraction of medicinal compounds from plants

Dr. E.R.T. Elago
Lecturer (Organic Chemistry)



Birth Place: Namibia
Specialization: Organic Chemistry
Current Research Activities:

- Application of green chemistry to synthetic organic chemistry, specifically in alternative reaction media (including solvent-free synthesis) and alternative activation (e.g. microwave, ultrasound, etc.)

Dr. E. Naomab
Lecturer (Biochemistry)



Birth Place: Namibia
Specialization: Biotechnology, Climate Change Environment and Energy
Current Research Activities:

- Biotechnology
- Climate Change
- Environment
- Energy

Mr. V. Uahengo
Lecturer (Inorganic Chemistry)



Birth Place: Namibia
Specialization: Surface Chemistry
Current Research Activities:

- Asymmetric synthesis of a silica gel matrix using the sol-gel method and its application to enantiomeric resolutions

Ms. T. Thomas
Lecturer (Analytical Chemistry)



Birth Place: Namibia
Specialization: Analytical Chemistry
Current Research Activities:

- Establishment of seasonal occurrence of algal marine biotoxins along the central Namibian coast.

Mrs. C. Raidron
Lecturer (General Chemistry)



Birth Place: Namibia
Specialization: Natural Product Chemistry and Chemistry Education
Current Research Activities:

- Renewable energy sources
- Extraction, purification and structural elucidation of active metabolites/ingredients from plants

Mr. G. Uiseb
Lecturer (Physical Chemistry)



Birth Place: Namibia
Specialization: Analytical Chemistry
Current Research Activities:

- Environmental Radiochemical Analysis

Mrs. N. Cheikhoussef
Researcher



Specialization: Biotechnology
Current Research Activities:

- Screening, isolation, purification and characterisation of novel enzymes from microorganisms and/or plants.
- Studying the fermentation/cultivation conditions for the production of enzymes and other functional compounds produced by microorganisms, in particular fungi.
- Application of enzymes in the biocatalysis of functional compounds such as pharmaceuticals among others.
- Genetic modification of microorganisms for the production of novel compounds and enzymes.
- Screening for biologically active products in medicinal plants and subsequent chemical, biochemical and pharmacological studies on plant secondary metabolites.

Mr. W. Song
Chief Technologist



Birth Place: China
Specialisation: Analytical & Instrumental Chemistry
Current Research Activities:

- Preparation and study of halide resins and their application for water disinfectants
- Extraction of useful ingredients, flavonol glycosides, bilobalide and ginkgolides of Ginkgobiloba l.
- Determination of silica from quartzite rocks at different sites in Namibia

Ms. M. Nyambe
Technologist



Birth Place: Namibia
Specialisation: Analytical Chemistry
Current Research Activities:

- The chemical component analysis of a Namibian teeth-cleansing stick (chewing stick), *Diospyros lycoides*
- Chemical and pharmacological analysis of some plants used by people in the Caprivi, Namibia, to administer coughs, ear infections and sexually transmitted infections

Ms. C. Tjiurutue
Technologist/Postgraduate Student



Birth Place: Namibia
Specialization: Biochemistry
Current Research Activities:

- Biochemical and Chemical analysis of Hydnora.

Ms. A. Shiimi
Technologist



Birth Place: Namibia
Specialization: Organometallic Chemistry

Mrs. S. Potgieter
Technologist



Birth Place: Namibia
Specialization: Chemistry Education

Mr. T. Ndunge
Technologist / Postgraduate Student



Birth Place: Namibia
Specialization: Analytical Chemistry
Current Research Activities:

- Generating baseline data on heavy metals concentrations in seawater and marine sediments of the central Namibian coastline.

Mr. K.K.M. Nantanga
Technologist



Birth Place: Namibia
Specialization: Food Chemistry and Food Technology
Current Research Activities:

- Composite flour technology to
 - Increase the use of local produce.
 - Improve nutritional content and quality of resulting products, which is especially required for the young, the old and immune-compromised persons.
- Anaerobic treatment of wastewater and biogas production
- Solar-powered desalination of saline groundwater in the southern grassland of central northern Namibia.

Ms. C. Mukakalisa
Technologist / Postgraduate Student



Birth Place: Rwanda
Specialization: Biochemistry
Current Research Activities:

- Ecophysiological interactions of Bambara groundnut.

Ms. P. Kapewangolo
Technologist / Postgraduate Student



Birth Place: Namibia
Specialization: Biochemistry
Current Research Activities:

- Biochemical characterization of marama beans (*Tylosema esculentum*): Quality evaluation and physiological modulation of human cell lines.

Mr. N. Gariseb
Technologist / Postgraduate Student



Birth Place: Namibia
Activities:

- Synthesis and characterization of cyclodextrin based polymers.

Mr. T. N. Manuel
Assistant Lab Technician



Birth Place: Namibia
Currently doing a Bachelor of Science with a Chemistry Major and Biology Minor at UNAM

Mr. D. Likius
Technologist



Birth Place: Namibia
Specialization: Inorganic Chemistry
Current Research Activities:

- Synthesis, characterization and biological study of metal complexes.

Prof. G. Capp
Visiting Professor of Biochemistry



Ph.D at Oregon Health Science University
Senior Fellow at Duke University
Professor of Biochemistry at Seattle Pacific University
Visiting Scholar at Cambridge University
Visiting Professor of Biochemistry at University of Zimbabwe
Research:

- Protein Structure and Function: Hemoglobin Portland / A new human hemoglobin chain (zeta chain)
- Infectious Disease / Onchocherciasis (river blindness) in Malawi

Dr. R. Hans
Lecturer (Natural Product Chemistry)



Dr. G. Kahaka
Lecturer (Biochemistry)

