

Dr. Anne-Marie Kosi-Kupe

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Cellular and General Biology - Anatomy/Physiology - Microbiology - Medical
Parasitology/Mycology/Immunology - Pathophysiology - Nutrition Sciences-Comparative
Anatomy/Evolution-Cellular and General Biology

Innovative professor with extensive experience leading undergraduate courses at various university settings. Possess strong understanding of Life Science courses including general and cellular biology, microbiology, multiple health science courses as well as biotechnology . Experienced in leading institutions based and independent Life Sciences researches. Research Patent Awards.

EDUCATION AND PROFESSIONAL DEVELOPMENT

Rheinisch-Westfaelische Technische Hochschule (RWTH) Aachen University, Aachen, Germany

Doctorate in Biology

Master of Science in Biology, Major: Microbiology; Minors in Virology, Ecology, and Environmental Hygiene

Giessen University, Giessen, Germany

Master of Science (equivalent) in Nutrition Science; majors in Food Processing Science and Applied Nutrition Science

University of Zaire, DRC

Diploma of Bachelor in Applied Pedagogy/Education, Major:

Biochemistry:

Botany-Zoology-Comparative Anatomy-Physio-Concepts of Biology (Evolution)

University of Michigan, Ann Arbor, MI

Departments of Internal Medicine and Molecular and Integrative Physiology

Completed training in Immunohistochemistry and Gastrointestinal
Cancerogenesis

TEACHING EXPERIENCE

University of Detroit Mercy, Detroit , Michigan

2018-current

Adjunct Professor (Human Anatomy Lectures + Labs), Advanced Anatomy for Pre-Professionals, Applied Nutrition Sciences

Wayne State University, Detroit, Michigan

2017-current

Part-Time Faculty (General Biology & Microbiology Lectures+ Initiated Ecological Research with students/ Scientific Papers' Writing)

Indiana University Purdue University, Science Division, Columbus and Indianapolis, IN

2012 – 2017

Adjunct Faculty (Human Anatomy Lectures + Labs, Human Biology Lectures + Labs+ Reports' Writing, Human Physiology Lab, Concepts of Biology-BioN100- (Comparative Anatomy & Evolution)

**University of Indianapolis, Biological Sciences Department, Indianapolis, IN
2013**

Adjunct Faculty (Cell Biology Lectures +Labs)

**IvyTech Community College, Science Division, Columbus, IN
2012**

Adjunct Faculty (Anatomy Physiology Lectures + Labs)

**Oakland Community College, Science Department, Waterford, MI
2011 – 2012**

Instructor (General Biology: Lectures + labs)

**Mott College, Math and Science Department, Flint, MI
2010 – 2012**

Adjunct Faculty (Microbiology, Human Anatomy/Physiology: Lectures + labs, General Biology: Lectures)

**University of Michigan, Biological Sciences Department, Flint, MI
2007 – 2008**

Lecturer (Cell Biology: Labs, Human Anatomy/Physiology, General Biology: Lectures + labs+ Reports Writing)

**Baker College, Health Sciences Department, Flint, MI
2001 – 2003; 2006**

Instructor, 2006 (Pathophysiology: Lectures)

Instructor, 2001-2003 (Microbiology, Human Anatomy/Physiology: Lectures + labs)

**Oakland University, Biological Sciences Department, Rochester, MI
2002 – 2005**

Lecturer (Med Parasitology-Mycology-Immunology, Human Anatomy/Physiology, General Bio: Lectures)

ADDITIONAL PROFESSIONAL EXPERIENCE AND ACHIEVEMENTS

Clojjic, LLC

2013 – Present

Nutraceutical Company

Founder

Research Leader

2015 – Present

Comparative Efficacy of Mun root extracts on fibroid cells in collaboration with Bindley Bioscience Center/Purdue University

Independent Researcher

1997 – 2009

Department of National Fund for Research (DNF), Ministry of Education,
Luxembourg

Independent Researcher-1999 Evaluation of
bioactive compounds in black fungus (*Auricularia polytricha*)

Research Associate
1992 – 2000

**Federal Research Center for Nutrition and Institute of Hygiene and Toxicology, Karlsruhe, Germany and
RWTH-Aachen**

Research Associate
1991 – 1996

Department of Agriculture, Central Laboratories – Ettelbruck, Luxembourg

U.S. PATENTS

- Kosi-Kupe, A.-M. Patent No.: US 10,195,171 B2 entitled PROCESS OF PREPARATION OF NUTRITIONAL SUPPLEMENT CONTAINING SULFORAPHANE; Date of Patent: Feb. 5, 2019
- Kosi-Kupe, A.-M., Patent No.: US 10,758,509 entitled: NUTRITIONAL SUPPLEMENT AND PROCESS OF PREPARATION; Issued: September 1, 2020

PUBLICATIONS

- **Kosi-Kupe, AM., Kleiker, H. Sulforaphane Level in Controlled-Fermented Broccoli Sprouts.** Journal of Food and Drug Analysis. Submitted March 21,2022
- **Kosi-Kupe, A-M., Kleiker H. Bacteriocidal Activity in four Lactobacilli strains (802, 804, 807, 813) against *E. coli*, *Enterobacter cloacae*, *Klebsiella pneumoniae*, *Listeria monocytogenes*, *Pseudomonas aeruginosa*, *Salmonella typhimurium*, *Staphylococcus aureus*, *Enterococcus faecalis*, *Lactococcus lactis D80*.** Journal of Research in Microbiology. Submitted March 28,2022

In Preparation

- Kosi-Kupe, A-M (In preparation). The Impact of Bowel Movements on Weight Loss And Overall Health, Journal of the Academy of Nutrition and Dietetics.
- Cooper, D., Kosi-Kupe, A-M & Losso, N. J. (In preparation). Comparative Efficacy of Mun root extracts on fibroid cells. Journal of Food and Drug Analysis
- Haas M., Kosi-Kupe, A-M. (In preparation). Nutritional Evaluation of *Amaranthus*. Journal of Food Science
- Haas, M., Kosi-Kupe, A-M. (In Preparation). Evaluation of bioactive compounds in black fungus *Auricularia Polytrichia*. Journal of the Academy of Nutrition and Dietetics

SYMPOSIUM PRESENTER

- Kosi-Kupe, A-M., Carmona, V. (2021). WHY A COLLABORATIVE RESEARCH GREENHOUSE PROJECT? Presented at Engineering and Science Research Symposium. October 29, 2021
- Kosi-Kupe, A-M. (2021). DAILY DEFECATION AND ITS IMPACT ON BODY WEIGHT. Presented at Engineering and Science Research Symposium. October 29, 2021

CURRENT RESEARCH WITH UDM UNDERGRADUATE STUDENTS:

- Diffusion of carotenoids from carrots' extract through the cornea->Enta Agliua
- Broccoli Extracts' Testing and Health Impact on Different Media->Ambrannette Stor

GRANTS AWARDED

- Research Collaborative Greenhouse Project-Personal Award with CETL, 2021- \$2,000.00
- Department of National Fund for Research (DNF), Ministry of Education, Luxembourg -Awarded for Biohazard Safety Cabinet, 1993~\$10,000.00
- Ford Partnership Grant for Service Learning with Crysto Rey, 2018-2019- \$2,500.00

CIVIC INVOLVEMENT & ASSOCIATIONS

- Board of Directors Member and Residents Care Committee, Lourdes Nursing Home, Waterford, MI, 2005-2012.
- Coordinator for fundraising, Science Day, and President of Thello Orphanage with Sisters of Ste Marie au Kwango, Kikwit/Congo, DRC, 1999-present.
- Director of the Vacation Bible School, at St. Daniel Church, Clarkston MI 2018.
- Science Day Presenter at Clarkston Community School, Clarkston, MI, 2000.
- Virtual Service Learning-Human Anatomy Main Supervisor between UDM-Advanced Anatomy Students and Crysto Rey High school, April 1-13, 2022.
- Chaperone at Students Day of Orientation/Service at Mills Farm with UDM students-in August, 2022.

CERTIFICATIONS

- Certification of "Education on Specification Grading" educational events- February 2022
- Pedagogy in Practice by ODS, 2020

4 PROFESSIONAL MEMBERSHIPS

- Association of Women in Sciences
- Academy of Nutrition and Dietetics
- Society for Industrial Microbiology and Biotechnology
- Women of Europe