

## **Dr. Shadrack Adero Walwenda**

Department Pure and Applied Mathematics  
Maseno University, Kisumu-Busia Road  
P.O. Box 333-40105,  
Maseno, Kenya

Phone: +254-721825089; +254-734541656

Email: [awalwenda@maseno.ac.ke](mailto:awalwenda@maseno.ac.ke); [awalwenda@yahoo.com](mailto:awalwenda@yahoo.com); [awalwenda@gmail.com](mailto:awalwenda@gmail.com)

### **EDUCATION**

#### **Doctor of Philosophy ( Pure Mathematics)**

Maseno University , Maseno, Kenya ( December 2017)

#### **Master Of Science, Mathematics,**

University Of South Alabama , Mobile, U.S. (June 1996).

#### **Master Of Education (Sc), Mathematics and Education,**

Kenyatta University, Nairobi, Kenya. (December 1987).

#### **Bachelor Of Education(Sc.), Mathematics, Chemistry,**

University Of Nairobi, Nairobi, Kenya.( November 1978)

### **RESEARCH EXPERIENCE**

- 1) The characterization of certain classes of completely primary finite rings using their zero divisor graphs.**
- 2) Zero divisor graphs of non commutative rings**

### **TEACHING EXPERIENCE**

#### **Maseno University.**

Lecturer of pure and applied Mathematics (Oct. 1990 to Date.)

#### **Siriba Teachers Diploma College.**

Senior Lecturer of Mathematics.(Jan.1988 to Aug. 1990)

Lecturer of Mathematics (June 1986 to Jan.1988.)

#### **University Of South Alabama.**

Graduate Teaching Assistant in Mathematics (Sept. 1995 to June 1996.)

#### **Ahero Girls High School.**

Teacher of Mathematics and Chemistry (Jan.1983 to June 1985).

#### **Nyabururu Girls High School.**

Graduate teacher of Mathematics and Chemistry.( Sept.1978 to Jan 1983)

### **HONORS AND AWARDS**

Kenya Government Commission of Higher Education:

Scholarship award ; Diploma College Development Program; (1985-86 , 1986-87)

U.S. Department of Education Graduate Assistance in Areas of National Need:



Fellowship / Assistantship ( 1995-96).

Kenya Government Commission of Higher Education:

Scholarship award.; University Staff Development Program (1994 -95 , 1995-96.)

## **PROFESSIONAL MEMBERSHIP**

The Mathematics Association of America (1995- 1996).

The American Mathematical Society. (1995-1996).

Member of Board of College of Education and External Degree Program ( Mathematics )  
University of Nairobi, Kisumu Region, Kenya. (1987-1990).

Examiner of Mathematics ; Kenya National Examination Council (1979 to 1988).

## **SKILLS AND TRAINING**

## **LEADERSHIP EXPERIENCE**

### **Maseno University.**

Ag. Dean School of Maths, Stat, & Act. Sc. ( May, 2019 to date )  
Coordinator School of Maths, Stat. & Act. Sc. ( Kisumu Campus)  
(Oct. 2014 to Jan. 2019)

### **Siriba Teachers Diploma College.**

Head of Mathematics Department. (Jan. 1988 to Aug. 1990)

### **Ahero Girls High School.**

Head Of Chemistry Department ( Jan. 1983 to June 1985).

### **Nyabururu Girls High School.**

Head Of Mathematics Department (Sept. 1981 to Jan 1983).

Head of Chemistry Department ( Oct. 1978 to Sept. 1981).

## **CONFERENCES AND WORKSHOPS**

Joint Mathematics Meeting ( AMS 7 MAA); Orlando, Florida (Jan. 1996).

TI-85 Graphic Calculator Workshop, University of South Alabama. (June 1995).

The 8-4-4 Diploma in Education Mathematics Curriculum Development.; Draft Workshop;  
Nairobi ,Kenya (March, 1990).

Tutors Training Workshop, University of Nairobi, College of Education and External Studies  
(August ,1989).

## **PUBLICATIONS**

- 1) On the Zero Divisor Graphs of a Class of Commutative Completely Primary Finite Rings ; *Journal of Advances in Mathematics* Vol.12 No. 3 (May 2016)



- 2) On the Zero Divisor Graphs of Finite Rings in which the product of any two Zero Divisors lie in the Coefficient Subring.- *Journal of Mathematics and Statistical Science* Vol. 2016,524-533 (Sept. 2016)
- 3) **Zero Divisor Graphs of Classes of Completely Primary Finite Rings of Maximal Prime Power Characteristics**