

# CURRICULUM VITAE

## **PERSONAL DATA**

1. **Name:** ILOJIDE, Emmanuel  
2. **Date and Place of Birth:** 16<sup>th</sup> March, 1982; Auchi, Edo State, Nigeria.  
3. **Nationality:** NIGERIAN  
4. **Marital Status:** SINGLE  
5. **Permanent Postal Address:** Department of Mathematics,  
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## **EDUCATIONAL BACKGROUND:**

### HIGHER EDUCATIONAL INSTITUTIONS ATTENDED WITH DATES:

University of Benin, Benin City, 2002-2006  
Obafemi Awolowo University, Ile-Ife, 2009-2011.

### ACADEMIC AND PROFESSIONAL QUALIFICATIONS:

- (i) B.Sc. Mathematics– 2006
- (ii) M.Sc. Mathematics– 2011

## **WORK EXPERIENCE**

- 1.
- (i) Teacher- Government Secondary School, Basika, Jigawa State, Nigeria. 2007-2008.
  - (ii) Tutor-Department of Mathematics, Obafemi Awolowo University, Ile-Ife-2011.
  - (iii) Assistant Lecturer-Department of Mathematics, University of Agriculture, Abeokuta-2011-Till Date

## 2. Courses taught in the recent past

Elementary Mathematics for Pure Sciences (undergraduate)

## Membership of Professional Bodies

Nigerian Mathematical Society (2010)

## **PUBLICATIONS**

### Thesis

[1] A study of Rings and Fields-B.Sc. Mathematics, 2006.

(Supervisor: Doctor. I. C. Alufohai)

[2] An Algebraic Study of Groupoids and Quasigroups Represented by Linear-Bivariate Polynomials over the Ring  $\mathbb{Z}_n$  – M.Sc. Mathematics, 2011.

(Supervisor: Doctor Jaiyeola T. G.)

### Published Article(s)

[1] E. Ilojide, **T. G. Jaiyeola** & O. O. Owojori (2011); *Varieties of groupoids and quasigroups generated by linear-bivariate polynomials over ring  $\mathbb{Z}_n$* , International Journal of Mathematical Combinatorics, Vol. 2, 79-97

### Articles Submitted for publication

[1] **T. G. Jaiyeola** & E. Ilojide; On a group of linear-bivariate polynomials that generate quasigroups over the ring  $\mathbb{Z}_n$ .

[2] **T. G. Jaiyeola** & Ilojide E.; On right, left and middle linear-bivariate polynomials that generate quasigroups over the ring  $\mathbb{Z}_n$ .

[3] **T. G. Jaiyeola** & Ilojide E.; Some normal congruences in quasigroups determined by linear-bivariate polynomials over the ring  $\mathbb{Z}_n$ .

### Articles in Preparation

[1] **T. G. Jaiyeola** & Ilojide E.; Isotopy structure of quasigroups generated by linear-bivariate polynomials over the ring  $\mathbb{Z}_n$ .

[2] **T. G. Jaiyeola** & Ilojide E.; Some Algebraic Properties of Elements of the Semigroup  $H_p(\mathbb{Z}_n)$

### Current Research Activities

**Algebras:** BCC-algebra, BCI-algebra, BCK-algebra, Hilbert-algebra, AC-algebras.

I and Dr. Jaiyeola T. G. are presently generalizing the aforementioned algebras, especially BCI-algebra and BCK-algebra which were introduced by Imai, K. Iséki and S.

Tanaka in 1966. We are also studying the algebraic properties of Non-associative/Bol-Moufang type/Fenyves BCI-algebras.

## **Conferences, Workshops, Seminars and Symposiums attended**

1. 9<sup>th</sup> Annual Conference of the Nigerian Mathematical Society (NMS), “Global Economic Meltdown and World Peace: The Mathematical Perspective and Solutions”, Department of Mathematic, Lagos State University, Ojo, Lagos State, Nigeria, 20<sup>th</sup> – 23<sup>rd</sup> July, 2010.

### **Paper Presentation/Talk:**

- a. T. G. Jaiyeola & Ilojide E.; On some varieties of groupoids and quasigroups generated by linear-bivariate polynomials over the ring  $\mathbb{Z}$ .
  - b. T. G. Jaiyeola & Ilojide E.; On a group of linear-bivariate polynomials that generate quasigroups over the ring  $\mathbb{Z}_n$ .
2. Faculty Conference 2010, “Pure and Applied Sciences: Tools for Development in an Emerging Economy”, Faculty of Science, Obafemi Awolowo University, Ile-Ife, Nigeria, 14<sup>th</sup> –16<sup>th</sup> of October, 2010.

### **Paper Presentation/Talk:**

- a. T. G. Jaiyeola & Ilojide E.; On some varieties of groupoids and quasigroups generated by linear-bivariate polynomials over the ring  $\mathbb{Z}_n$ .
- b. T. G. Jaiyeola & Ilojide E.; On a group of linear-bivariate polynomials that generate quasigroups over the ring  $\mathbb{Z}_n$ .

## **REFEREES**

1. Prof. S. S. Okoya,  
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## **Signature & Date:**

