CURRICULUM VITAE

PERSONAL INFORMATION

Name:	Godwin Nwachukwu NKEM
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Mobile:	+2348134460336
Gender:	Male
Place and Date of Birth:	Lagos; 21-01-1990
State and Local Government of Origin:	Delta; Ika South, Agbor.
Nationality:	Nigerian
Permanent Home Address:	8, Sunny-Ojugbo Street, Ika South, Agbor, Delta.
Current Postal Address:	46, Arowoiyabuna Street, Olodi Apapa, Lagos.
Marital Status:	Single

EDUCATIONAL INSTITUTIONS

Mar. 2016 – Apr. 2018	University of Ibadan, Ibadan, Nigeria.
Apr. 2010 – Oct. 2014	University of Benin, Benin City, Nigeria.
Sep. 2002 – Jul. 2008	Caro Favoured College, Lagos State, Nigeria.
Sep. 1996 – May. 2002	Muslim Primary School, Lagos State, Nigeria.

ACADEMIC QUALIFICATION

Mar. 2016 – Apr. 2018	M. Sc., Mathematics; Mathematical Modeling and Dynamical System
Apr. 2010 – Oct. 2014	B.Sc., Pure and Applied Mathematics
Sep. 2002 – Jul. 2008	West African Senior Secondary School Certificate
Sep. 1996 – May. 2002	First School Leaving Certificate

CONFERENCES/ WORKSHOPS

27th – 28th Jun. 2018	The University of Ibadan, Centre for Population and Reproductive Health and The University of Chicago Center for Global Health, a 2-day Workshop on "Ethics and Responsible Conduct of Research". Ibadan, Nigeria. Certificate of participation
14th – 26th May. 2018	Africa Mathematical School on Insight from Mathematical Modeling into Problems in Conservation, Ecology and Epidemiology. Dakar, Senegal. Certificate of participation
21st – 22nd Mar. 2018	The University of Ibadan, Centre for Population and Reproductive Health and The University of Chicago Center for Global Health, a 2-day Workshop on "Non-Communicable Diseases (NCDs) Research in Nigeria: Matching Priorities to Human Capacity". Ibadan, Nigeria. Certificate of participation
17th – 20th May. 2016	Africa Academy of Sciences (AAS) and Africa Mathematical Union (AMU) International Symposium: Current Research Trends in Mathematical Sciences and Application. Abuja, Nigeria. Certificate of Participation
3rd – 16th May. 2016	Africa Academy of Sciences (AAS) and Africa Mathematical Union (AMU) International Pre-Symposium School on Algebra and its Ramifications, Analysis on Manifolds, Theoretical Physics, Financial Mathematics for Postgraduate Students and Young Researchers. Abuja, Nigeria.

Certificate of Participation

TECHNOLOGICAL COMPETENCE

- Technical knowledge in using Microsoft applications such as Word, Excel and Power-Point
- Skillful in using users friendly and programming Mathematical Softwares such as Latex, Maxima and Octave

PROFILES

- Ability to express information in a creative and simple manner
- Skilled in learning, researching and consultation
- Highly motivated, adaptable, organized and prospective.
- Ability to work with little or no supervision
- Good team playing spirit

LANGUAGE: English – Fluent

HOBBIES AND INTEREST: Studying, researching, teaching and meeting people

AWARDS AND RECOGNITIONS

- 2013/2014 – Best Abstract Algebra Student of the Department of Mathematics, University of Benin, Benin City.
- 2012/2013 – Best Mathematical Modeling Student of the Department of Mathematics, University of Benin, Benin City

PROJECTS

Application of Laplace Transform to Mechanical problem in Physics (Undergraduate Project)

Mathematical Modeling on the Dynamical Interaction of Leptospirosis Disease (Master Thesis)

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Monographs:

Leptospirosis Disease: Mathematical Modeling of the Dynamical Interaction

REFERENCES

E. O. Ayoola
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ABSTRACT

Endemic zoonotic diseases affect, impoverish and attack not only people's health but also their livelihoods. They remain neglected in most endemic countries because of lack of information and awareness about the extent of the problem. Leptospirosis is one of the commonest and most widespread zoonotic infections in the world. It is a worldwide public health problem which is the greatest concern for humid tropical and subtropical regions. I am currently working on the Dynamical Interaction of Leptospirosis disease using Mathematical model. The work presents a mathematical study and model of the Leptospirosis disease. The model formulation and their fundamental properties are encapsulated. The region where the model is epidemiologically feasible and stability analysis of the disease-free equilibrium via the reproduction number R_0 obtained using the next generation matrix technique is established. Also, the existence of a unique endemic equilibrium and the global asymptotic stability of the disease-free equilibrium under certain conditions are determined. Furthermore, we look into the model numerically to investigate the suitability of the model and make predictions based on the nature of the formulated model.

STATEMENT OF INTEREST

Behind everyone there is something unique, and that for me it is astute numerical ability. This ingeniousness runs through my family lineage! At age thirteen, my brother who's well researched in hard sciences had introduced me to elementary calculus. Due to his influences, during my secondary school, I enjoyed all 'hard' sciences as Mathematics, Physics and Chemistry. This experience motivated my decision to embark on an undergraduate study in Mathematics. My undergraduate education played a pivotal role in shaping my career path. I was taught by good faculties that placed emphasis on fundamentals which gave me a thorough understanding of indispensable features of the subject.

My major strength is, I have a unique attraction to working with numbers, building and analyzing models in any area of Mathematics. This interest was first incited during my undergraduate studies when I took a course in my penultimate level titled 'Introduction to Mathematical Modeling'. During the course, I built several Mathematical models and applied them to biological, social and behavioural sciences. This goad was the reason the research I wrote was tailored towards real life situations in the final year of my undergraduate study.

Due to my unflagging passion for studying and researching in Mathematics, I got enrolled in a Master's programme in Mathematical Modeling and Dynamical System at the Department of Mathematics, University of Ibadan, Nigeria. The Master's programme consists of course work, project and research seminars. Sequel to the foregoing, I have successfully completed my Master's programme and developed a Mathematical Model using non-linear system of differential equations for the Dynamical Interaction of Leptospirosis disease as my research thesis.

This workshop is important to the development of my career and participating in this workshop will be of great value to my professional growth as it will afford me the necessary skills to carry out research as a researcher in the field of Mathematical Modeling and Biomathematics.
Also, I envision that my participating in this workshop will strengthen my interest and increase my knowledge to better ways of conducting research, enhance my contribution to the human body of knowledge and connect with researchers from different area of specialization to share useful information.
Looking forward to receiving a positive response from you.