

BENSON IDAHOAS UNIVERSITY
BENIN CITY
CURRICULUM VITAE

SECTION A: GENERAL INFORMATION (ACADEMIC STAFF)

Name: (Surname Underlined) Innocent Boyle Eraikhuemen

Date and Place of Birth: February 14th, Edo State, Nigeria.

Marital Status Married

Nationality: Nigerian

Permanent Home Address 21 Uvue Street, Emuhi - Ekpoma,
Edo State, Nigeria

Current Postal Address C/O Prof. (Mrs) L. Eraikhuemen,
Department of Curriculum and Instructional
Technology, Faculty of Education, University of
Benin, P.M.B 1154, Benin City. Nigeria.

E-MAIL: ieraikhuemen@biu.edu.ng

PHONE NUMBER: +2348023719715

Present Appointment: Senior Lecturer

Department: Department of Physical Sciences,
Faculty of Science,
Benson Idahosa University,
Benin City.

SECTION B: QUALIFICATIONS

(a) Academic Qualifications (with dates and granting bodies)

- (1) M.Phil. (Industrial Mathematics)
January, 2015.
University of Benin, Benin City.
- (2) M.SC. (Industrial Mathematics)
November, 1998.
University of Benin, Benin City.
- (3) B.SC (Mathematics)
October, 1991.

Bendel State University, Ekpoma,
(Now Ambrose Alli University, Ekpoma).

- (4) B.Eng. (Electrical\Electronics)
November, 2008.
University of Benin, Benin City.
- (4) West African School Certificate (W. A. S. C)
June 1985.
Holy Trinity Grammar School, Sabogida – Ora,

b. TEACHING AND PROFESSIONAL EXPERIENCE

(i) Employment/Professional Experience before joining the Services of Benson Idahosa University

- | | |
|-----------------|---|
| Teaching (NYSC) | 1991 – 1992, St John Junior Seminary,
Osina, Imo State, Nigeria. |
| Teaching | 1992 – 1994, Edo State Post primary Education Board
Benin City, Nigeria. |
| Teaching | 1994 – 1995, Regina Paci’s Girls Secondary School,
Gariki, Abuja. |
| Teaching | 1995 – 1997, the Model Secondary School,
Benin City, Edo State, Nigeria. |
| Teaching | 1997 – 1998, Russell Group of Schools,
Benin City, Edo State, Nigeria |
| Teaching | 1999 – 2002, Federal Staff Business College,
Benin City, Edo State, Nigeria. |

(ii) Full –Time Teaching in Benson Idahosa University.

Assistant Lecturer	2002 - 2005
Lecturer II	2005 - 2007
Lecturer I	2007 - 2014
Senior Lecturer	2014 – 2020

(iii) Courses Taught:

MTH 111:	Algebra and Trigonometry
MTH 122:	Calculus
MTH 211:	Linear Algebra I
MTH 212:	Set, Logic and Algebra

MTH 214	Elementary Differential Equation I
MTH 223:	Introduction to Numerical Analysis
MTH 226:	Linear Algebra II
MTH 310:	Numerical Method
MTH 311:	Complex Analysis I
MTH 314:	Metric Space Topology
MTH 315:	Dynamics of a Rigid Body
MTH 323	Complex Analyses II
MTH 411:	Ordinary Diff. Equations
MTH 414:	Stochastic Processing

(iv) **Post Graduate Students' Supervisor:** Nil

(b) Conferences Attended.

(i) 37th Annual National Conference of the Mathematic Association of Nigeria (MAN), held 28th August to 1st September, 2000, at the University of Lagos, Lagos State.

Paper Read: Towards Improving the Teaching and Learning of Primary Mathematics in the New Millennium.

(ii) Internet Technologies Training for Staff of Faculty of Basic and Applied Sciences, Benson Idahosa University held February 2003, at Benson Idahosa University, Benin City.

(iii) Oral Robert / Benson Idahosa University capacity building Seminar for academic staff, held August 2004, at Benson Idahosa University, Benin City.

(iv) A Workshop on Mathematics Modelling of Environmental Problems held 23rd August 2004, at the National Mathematic Centre, Abuja.

(v) Benson Idahosa University Professional Development Seminar for Staff held March 2005, at Benson Idahosa University, Benin City.

(vi) 42nd Annual National Conference of the Mathematics Association of Nigeria (MAN), held 29th August to 2nd September 2005, at the Civil Centre, Awka, Enugu state.

Paper Read: Assessment of the use of Information and Communication Technology by Mathematics Teachers in South–Western Nigerian Secondary Schools.

(vii) 18th Annual Conference of curriculum Organization of Nigeria (CON), held 13th to 15th September 2005, at University of Benin, Benin City, Edo State.

Paper Read: Practice & Problems of Mathematics Assessment in Nigerian Primary Schools.

(viii) An International Conference and Workshop on New Trends in the Mathematical and Computer Sciences with Applications to Real Life Problems, held 19th-23rd June 2006, at Covenant University, Cannan-Land, Ogun State.

- (ix) The statistics Research Group, Quarterly Seminar, Held in February, May & August 2010, at University of Benin, Benin City.
- (x) Benson Idahosa University Staff Development Programme held, September 2010, at Benson Idahosa University, Benin City.
- (xi) An International Conference and Workshop on Mathematical held 13th- 17th December, 2011, at the National Mathematic Centre, Abuja.
- (xii) An International Conference on statistics held 8th- 12th May, 2012, BN at University of Benin, Benin City, Edo State.
- (xiii) 39th Annual National conference of the Nigerian Statistical Association held 9th – 11th September, 2015, at Osun State Secretariat, Osogbo.
- (xiii) 40th Annual National conference of the Nigerian Statistical Association held 7th – 9th September, 2016, at International Conference Centre, Abuja.
- (xiv) Nigerian Statistical Association, Postgraduate Course on Statistical Distributions held 29th May – 2nd June, 2017, at University of Ibadan, Oyo State.
- (xv) 1st International Conference of the Nigerian Statistical Association held 4th – 8th September, 2017, at Federal college of Education Akoka Lagos.
- (xv) 42nd Annual National Statistical Conference of the Nigerian Statistical Association held 5th – 7th September, 2018 at Nnamdi Azikiwe University, Awka. .

(d.) Publications

- (i) Books Nil
 - (ii) Chapters in Books: Nil
 - (iii) Journal Articles
- i. **Eraikhuemen, I. B.** and Eraikhuemen, L (2002)
 “Toward Improving the Teaching and Learning of Primary Mathematics in the New Millennium” Benin Journal of Educational Studies. 15 (1) 95 – 101.
 - ii. **Eraikhuemen, I.B.** and Enagbonma O. (2004)
 “Mathematics Model of Application of Matrices in the Solution of Differential Equation” B.I.U. Journal of Social and Management Sciences, 2,(2). 245 – 257.
 - iii. **Eraikhuemen, I.B.** and Eraikhuemen, L (2006)

“An Assessment of the use of Information and Communication Technology by Mathematics Teachers in South–Western Nigerian Secondary Schools.” The Journal of Mathematical Association of Nigeria. 31, (3). 45 – 54.

- iv. **Eraikhuemen, I.B.** (2006)
“The efficiency of higher order derivative in Kernel density estimation”. Journal of research in physical sciences. 2. (3). 69 – 73.
- v. Eraikhuemen, L. and **Eraikhuemen, I. B.** (2006)
“Practice and Problems of continuous assessment in Nigeria Primary schools mathematics” journal of curriculum studies. 13. (2). 109 – 118.
- vi Enagbonma O. and **Eraikhuemen I.B.** (2006)
“The application of reverse logistics cost model in the management of sachet water”. Benson Idahosa University journal of social & management sciences. 4. (1 & 2). 29-52.
- Vii **Eraikhuemen, I. B.** and Enagbonma O. (2007).
“An automatic method for choosing window width in the kernel density estimation”. Abacus. The journal of Mathematical Association of Nigeria. 34. (28). 279 – 287.
- Viii Enagbonma O. and **Eraikhuemen I.B.** (2010)
“Interaction effects of product lifetime and shortage cost on the proposed fixed lifetime inventory model” South East Asian Journal of Mathematics and Mathematical Sciences. Pakistan 8. (3).11-23.
- (ix) Eraikhuemen, L. and **Eraikhuemen, I. B.** (2010)
“An Assessment Of Teacher Trainees’ Non-Intellectual Traits: A Case Study Of The National Teachers’ Institute” Journal of Mathematical Sciences, International Centre for Advance Studies.
- X Eraikhuemen, L. and **Eraikhuemen, I. B.** (2010)
“An Analysis of Gender Disparity in Students’ Enrolment into Education Science Disciplines in the University Of Benin” Journal of Mathematical Sciences, International Centre for Advance Studies.
- Xi Enagbonma. O and **Eraikhuemen I.B.** (2011)
“Optimal ordering policies for inventory system with fixed lifetime” Australian Journal of Basic and Applied Sciences. 5 (12) 3348-3348.
- Xii Osemwenkhae, J. E. and **Eraikhuemen I. B.** (2011)

“Higher Order Forms of some Hybrid Univariate Kernels and their Efficiencies”. Journal of Mathematical Sciences, International Centre for Advance Studies.

- Xiii Eguasa O. and **Eraikhuemen I. B.** (2013)
“The Dynamics of SIS Epidemic Model with Emphasis on Deterministic Approach”. Journal of the Nigerian Association of Mathematical Physics, vol. 23. 165-170.
- xiv Eguasa O. and **Eraikhuemen I. B.** (2013)
“Long-Tail Probability Generating Function”. Journal of the Nigerian Association of Mathematical Physics, vol. 23. 599-608.
- xv Eguasa O., **Eraikhuemen I. B.** and Ehigie, L. (2013).
“Least Square Approximation of percentage Body Fat for Black Women”. Journal of Mathematical Theory and Modelling, International Institute of Science Technology and Education, (IISTE) 3(14): 135-144.
- xvi **Eraikhuemen, I.B.** and Osemwenkhae, J. E.(2015)
“Higher Order Forms of Some Asymmetric Kernels”.
Journal of Mathematical Theory and Modelling, International Institute of Science Technology and Education, (IISTE) ISSN 2224-5804(Print) ISSN 2225-0522 (Online) 3(9): 69-77.
- xvii **Eraikhuemen, I.B.** and Eguasa, O.(2017)
“Lassa Fever and its Control Measures”
Journal of Natural Sciences Research, International Institute of Science Technology and Education, (IISTE) ISSN 2224-3186(Print) ISSN 2225-0921 (Online) 7(12): 75-79.
- xviii **Eraikhuemen I. B.** and Ieren G. (2017)
‘The Generalized Weibull – Gumbell Distribution’ Journal of Bulletin of Mathematics and Statistics Research. KY Publications ISSN 2348-0580, 5(2): 77-85.
- xix Ieren G. and **Eraikhuemen I. B.** (2017)
“Teachers and Students Perception of Factors Influencing Interest in Mathematics in Makurdi Municipality” African Journal of Studies in Education. ISSN: 0189-241 X Vol. 12, (1): 40 – 55.
- xx **Eraikhuemen I.B.,** Mbegbu J.I. and Ewere F. (2019)
“The Gumbel-Dagum distribution: a new member of the T-X family of distributions” Benin Journal of Statistics. ISSN: 2682-5767, Vol.2 pp. 33-46.

- xxi Ieren, T. G., Kromtit, F. M., Agbor, B. U., **Eraikhuemen, I. B.** and Koleoso, P. O. (2019)
 “A Power Gompertz Distribution: Model, Properties and Application to Bladder Cancer Data” Asian Research Journal of Mathematics, 15(2): 1-14, Article no. ARJOM.52035. ISSN 2456-477X.
- xxii Umar, A. A., **Eraikhuemen, I. B.**, Koleoso, P. O., Joel, J. and Ieren, T. G. (2019)
 “On the Properties and Applications of a Transmuted Lindley-Exponential Distribution” Asian Journal of Probability and Statistics 5(3): 1-13, Article no. AJPAS.51919. ISSN: 2582-0230.
- xxiii Ieren, T. G., Koleoso, P. O, Chama, A. F., **Eraikhuemen, I. B.** and Yakubu, N. (2019)
 “A Lomax-inverse Lindley Distribution: Model, Properties and Applications to Lifetime Data” Journal of Advances in Mathematics and Computer Science 34(3-4): 1-28, Article no. JAMICS.52496. ISSN: 2456-9968.
- xxiv **Eraikhuemen, I. B.**, Ieren, T. G., Mabur, T. M., Sa”ad, M., Kuje, S. and Chama, A. F. (2019)
 “A Study on Properties and Applications of a Lomax Gompertz-Makeham Distribution” Asian Research Journal of Mathematics, 15(4): 1-27, Article no. ARJOM.52211. ISSN: 2456-477X
- xxv **Eraikhuemen1, I. B.**, Mohammed, F. B. and Sule, A. A. (2020)
 “Bayesian and Maximum Likelihood Estimation of the Shape Parameter of Exponential Inverse Exponential Distribution: A Comparative Approach” Asian Journal of Probability and Statistics 7(2): 28-43, Article no. AJPAS.56249 ISSN: 2582-0230.
- xxvi **Eraikhuemen, I. B.**, Bamigbala, O. A., Magaji, U. A., Yakura, B. S. and Manju, K. A. (2020)
 “Bayesian Analysis of Weibull-Lindley Distribution Using Different Loss Functions” Asian Journal of Advanced Research and Reports 8(4): 28-41, Article no. AJARR.54833 ISSN: 2582-3248
- xxvii **Eraikhuemen, I. B.**, Chama, A. F., Asongo, A. I, Yakura, B. S. and Bala, A. H. (2020)
 “Properties and Applications of a Transmuted Power Gompertz Distribution” Asian Journal of Probability and Statistics 7(1): 41-58, Article no. AJPAS.55385 ISSN: 2582-0230.
- xxviii **Eraikhuemen, I. B.**, Mbegbu, J. I. and Ewere, F. (2020)

“Complementary Kumaraswamy Weibull Power Series Distribution: Some Properties and Application” Earthline Journal of Mathematical Sciences ISSN (Online): 2581-8147 4(2): 361 – 398.

Materials Accepted But Not Yet Published

- i. Book - Nil
- ii. Chapter in Book - Nil
- iii. Journal Article:
 - (i) **Eraikhuemen, I.B.** and Ieren, T. G.
Quantitative Analysis of Factors Affecting Students’ Interest and Achievement in Mathematics in Nigeria: A Case of Makurdi Municipality
 - (ii) Ieren, T. G., **Eraikhuemen, I. B.**, Koleoso, P, Umar, A., Abdullahi, J. and Umar, N
Properties and Applications of a Transmuted Exponential Inverse Exponential Distribution

Recognitions:

- (i) External Examiner ship: Nil
- (ii) Membership of Learned Societies:
 - (a) Mathematical Association of Nigeria (MAN) 1999 – to date.
 - (b) The Statistics Research Group, UNIBEN Chapter. 2010-todate.
 - (c) Nigeria Statistical Association (NSA) 2015 – to date.

SECTION C: ADMINISTRATIVE EXPERIENCE

- (i) **Deanship/Directorship/Headship/Co-ordinatorship Experience:**
 - (a) Department of Mathematics and Computer Science, (July – Sept. 2005/2006 session) Acting-Head of Department
 - (b) Department of Mathematics and Computer Science, Time-Table Officer, 2002 – 2007.
 - (c) Department of Mathematics and Computer Science, Examination Officer, 2007 – 2010.
 - (d) Department of Mathematics and Computer Science,

Post Graduate Coordinator, 2014 – 2016.

- (e) Department of Mathematics and Computer Science, Time-Table Officer, 2013 – 2014.
 - (f) Department of Mathematics and Computer Science, Examination Officer, 2014 – 2017.
 - (g) Department of Mathematics and Computer Science, Staff Adviser National Association of Computer Students, 20013 – 2017.
 - (h) Department of Mathematics and Computer Science, Head of Unit, Mathematics Option, 2002-2007 and 2010-2012 Sessions.
 - (i) Department of Mathematics and Computer Science, Member Appointment and Promotion, Board.
 - (j) Department of Mathematics and Computer Science, Member Post Graduate committee.
 - (k) Department of Physical Sciences, Head of Unit, Mathematics Option, 2018- 2020 Session.
- (ii) Service on University Committees**
- (a) Member, Task Force on University Farm, 2003/2004 Session
 - (b) Member, Task Force on University Library, 2004/2005 Session
 - (c) Member, Admission Screening Panel, 2004-2009.
 - (d) Member, Journal Committee of Faculty of Basic and Applied Sciences, 2010-2014.
 - (e) Member, Central Inter Faculty and Intra-Faculty Transfers Committee 2014 – 2019.
 - (f) Member, Faculty of Science, Appointment and Promotion Board.
 - (g) Member, Faculty of Science, Post Graduate Committee.
 - (h) Member, Faculty of Science, Quality Assurance Committee 2018-2020.
 - (i) Member, Faculty of Science, Examination Malpractice Committee 2018-2020.
- (iii) Service to Relevant Public Bodies**

WACE, Assistant Examiner (Mathematics Paper I), 1998 – 2003.

NECO, Assistant Examiner (Mathematics Paper I), 2000 – 2003.

Bible – Teacher, Catholic Charismatic Renewal of Nigeria, Benin Archdioceses,
Benin City.

REFEREES:

- (1) PROF. S.M. OGBONMWAN
Professor of Mathematics,
Faculty of Physical Sciences,
University of Benin, Benin City,
Edo State, Nigeria.
- (2) PROF. J. I. MBEGBU
Professor of Mathematics,
Faculty of Physical Sciences,
University of Benin, Benin City,
Edo State, Nigeria.
- (3) PROF. D.O. AIGBOMIAN
Professor of Educational Planning and Curriculum,
Faculty of Education,
Ambrose Alli University, Ekpoma,
Edo State, Nigeria.

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Eraikhuemen, I. B.
November, 2020.