

OGHONYON, JIMEVWO GODWIN

SECTION A PERSONAL DATA

1. NAME: OGHONYON, Jimevwo Godwin
2. DATE OF BIRTH: FEBRUARY 6, 1976
3. GENDER: MALE
4. TOWN: ADEJE
5. LOCAL GOVERNMENT AREA: OKPE
6. STATE OF ORIGIN: DELTA
7. NATIONALITY: NIGERIAN
8. MARITAL STATUS: MARRIED
9. RELIGION: CHRISTIANITY
10. NUMBER OF CHILDREN: FOUR (4)
11. CONTACT ADDRESS: DEPARTMENT OF MATHEMATICS
LECTURE THEATRE,
COVENANT UNIVERSITY
12. RESIDENTIAL ADDRESS: BLOCK S, FLAT 4, NEW ESTATE,
COVENANT UNIVERSITY,
13. TELEPHONE NUMBERS: +234-8139724200, +234-8022980879
14. EMAIL ADDRESS: godwin.oghonyon@covenantuniversity.edu
.ng
15. PRESENT POSITION: LECTURER II
16. CURRENT SALARY: ₦177,534.00
17. POST APPLIED FOR: LECTURER I (*Research and Teaching
Track*)

SECTION B EDUCATIONAL HISTORY

1. INSTITUTIONS ATTENDED WITH DATES

S/N	INSTITUTIONS	DATES OF ATTENDANCE
1	Covenant University, Ota, Ogun State, Nigeria	2008-2015
2	University of Lagos, Akoka Yaba, Lagos State, Nigeria	2004-2007
3	Delta State University, Abraka, Delta State, Nigeria	1996-2001

2. ACADEMIC QUALIFICATIONS

S/N	DEGREE LEVEL	YEAR	SPECIALIZATION
1	Ph.D	2015	Industrial Mathematics
2	M. Sc	2007	Mathematics
3	B. Sc (Ed.)	2001	Mathematics

3. TEACHING EXPERIENCE

(a) Academic Rank Held:

S/N	NAME OF INSTITUTION	FROM	TO	ACADEMIC RANK
1.	Covenant University, Ota	August 1, 2015	Till Date	Lecturer II
2.	Covenant University, Ota	April 1, 2008	July 31, 2015	Assistant Lecturer

(b) Academic Positions Held

- (i) Secretary, Department of Mathematics, Covenant University, Ota (2008/2009-2011/12 Academic Session)
- (ii) Member, Committee on N.U.C. Verification and Accreditation Exercise, Department of Mathematics, Covenant University, Ota (2010/11 Academic Session)
- (iii) Member, Departmental Committee on Examinations and Time Table, Department of Mathematics, Covenant University, Ota (2011/12-2013/14 Academic Session)
- (iv) Member, Departmental Student Advisory Committee, Covenant University, Ota (2014/2015 Academic Session)

- (v) Coordinator, Curriculum Committee, Department of Mathematics, Covenant University (2015/2016 Academic Session)
- (vi) Member, Curriculum Committee, Department of Mathematics, Covenant University, Ota (2016/17 Academic Session Till Date)
- (vii) Member, Curriculum Committee, College of Science and Technology, Covenant University, Ota (2015/2016 Academic Session)
- (viii) Coordinator, Research, Seminar and SIWES Committee, Department of Mathematics, Covenant University, Ota (2015/2016 Academic Session)
- (ix) Coordinator, Excursion Committee, Department of Mathematics, Covenant University, Ota (2015/2016 Academic Session)
- (x) Member, Excursion Committee, Department of Mathematics, Covenant University, Ota (2016/2017 Academic Session Till Date)
- (xi) Coordinator, Laboratory Committee, Department of Mathematics, Covenant University, Ota (2016/2017 Academic Session Till Date)
- (xii) Secretary, Departmental Postgraduate Board, Department of Mathematics, Covenant University, Ota (2018/2019 Academic Session Till Date)
- (xiii) 100 Level Adviser-Industrial Mathematics-Computer Science Option, Department of Mathematics, Covenant University, Ota (2018/2019 Academic Session Till Date)

4. COURSES TAUGHT

(a) Undergraduate Courses

- (i) MAT112: Trigonometry and Geometry (2008/2009-2010/2011, 2016/2017-2017/18 Academic Session)
- (ii) MAT121: Calculus (2014/15 Academic Session)
- (iii) MAT122: Vector Algebra (2015/16, 2016/17-2017/18 Academic Session)
- (iv) MAT212 Mathematical Methods I (2015/16 Academic Session Till Date)
- (v) MAT224: Introduction To Numerical Analysis (2011/12 and 2016/17 Academic Session Till Date)
- (vi) MAT312: Numerical Methods (2016/17 Academic Session Till Date)
- (vii) MAT316: Vector Field Theory (2016/17 Academic Session)

- (viii) MAT414: Advanced Numerical Methods (2017/18 Academic Session Till Date)
- (ix) MAT423: Measure Theory (2016/17 Academic Session)
- (x) GEC410: Introduction to Probability and Statistics (2012/2013-2014/15, 2016/17-2017/18)

(b) Postgraduate Courses

- (xi) MAT832: Numerical Methods for Ordinary Differential Equations (2018/19 Academic Session Till Date)
- (xii) MAT853: Mathematics/Statistical Software (2018/19 Academic Session Till Date)

5. SCHOLARSHIP, FELLOWSHIPS AND PRIZES

- (i) Covenant University Postgraduate Scholarship Award (2008)
- (ii) Outstanding Departmental Level Adviser in Mathematics Department, Covenant University, Ota (2008/2009-2009/2010 Academic Session)
- (iii) Award presented by Covenant University College of Science & Technology in Recognition of Performance as the outstanding Faculty in Lecture Delivery in the School of Natural and Applied Sciences, TECH Week, College of Science and Technology, Covenant University, Ota (2009/10 and 2010/11 Academic Session)

6. PUBLICATIONS AND JOURNALS (INTERNATIONAL/LOCAL)

*** Papers submitted for assessment are asterisked.**

- (i) **J. G. Oghonyon**, S. A. Okunuga, S. K Eke and O. F. Imaga (2018). Formulating Mathematica pseudocodes of block-Milne's device for accomplishing third-order ODEs, *International Journal of Advanced and Applied Sciences*, 5(11), 86-90.
- (ii) K. S Eke and **J. G. Oghonyon** (2018). Some fixed point theorems in ordered partial metric spaces with applications, *Cogent Mathematics & Statistics*, **5(2018)**: 1-11.
- (iii) K. S. Eke, B. Davvaz and **J. G. Oghonyon** (2018). Common fixed point theorems for non-self mappings of nonlinear contractive maps in convex metric spaces, *Journal of Mathematics and Computer Science*, **18(2018)**, 184-191.
- (iv) **J. G. Oghonyon**, S. A. Okunuga, K. S. Eke and O. A. Odetunmibi (2018). Block Milne's implementation for solving fourth order ordinary differential equations, *Engineering Technology and Applied Science Research*, **8(3)**, 2943-2948.

- (v) **J. G. Oghonyon**, S. A. Bishop and S. K. Eke (2018). Programming codes of block-Milne's device for solving fourth-order ODEs, *International Journal of Advanced and Applied Sciences*, **5(8)**, 18-23.
- (vi) **J. G. Oghonyon**, S. A. Bishop and K. S. Eke (2018). A dilated trigonometrically equipped algorithm to compute periodic vibrations through block Milne's implementation, *Engineering Technology and Applied Science Research*, **8(4)**, 3126-3129.
- (vii) **J. G. Oghonyon**, A. O. Adesanya, H. Akewe and H. I. Okagwe (2018). Softcode of Multi-processing Milne's device for estimating first-order ordinary differential equations, *Asian Journal of Scientific Research*, **11(4)**, 553-559
- (viii) *K. S. Eke, **J. G. Oghonyon** and B. Davvaz (2018). Some fixed point theorems for contractive maps in fuzzy g-partial metric spaces, *International Journal of Mechanical Engineering and Technology*. Volume **9(8)**: 635-645.
- (ix) ***J. G. Oghonyon**, O. F. Imaga and P. O. Ogunniyi (2018). The reversed estimation of variable step size implementation for solving nonstiff ordinary differential equations, *International Journal of Civil Engineering and Technology*, **9(8)**, 332-340.
- (x) ***J. G. Oghonyon**, S. A. Okunuga and S. A. Bishop (2017). A variable-step-size block predictor-corrector method for ordinary differential equations, *Asian Journal of Applied Sciences*, **10(2)**, 96-101.
- (xi) ***J. G. Oghonyon**, O. Odetunmbi and A. Opanuga (2017). Designing a variable step size for the successful implementation of P(EC)^m and P(EC)^mE mode, *Research Journal of Applied Sciences*, **12(1)**, 7-13.
- (xii) *S. A. Bishop, E. O. Ayoola and **G. J. Oghonyon** (2017). Existence of mild solution of impulsive quantum stochastic differential equation with nonlocal conditions. *Analysis and Mathematical Physics*, **7(3)**, 255-265.
- (xiii) ***J. G. Oghonyon**, S. A. Okunuga and N. A. Omoregbe (2016). Implementing a type of block predictor-corrector mode for solving general second order ordinary differential equations, *Research Journal of Applied Sciences, Engineering and Technology*, **12(7)**, 706-711.
- (xiv) ***J. G. Oghonyon**, S. A. Okunuga and S. A. Iyase (2016). Milne's implementation on block predictor-corrector methods, *Journal of Applied Sciences*, **16(5)**, 236-241.
- (xv) ***J. G. Oghonyon**, N. A. Omoregbe and S. A. Sheila (2016). Implementing an order six implicit block multistep method for third order odes using variable step size approach, *Global Journal of Pure and Applied Mathematics*, **12(2)**, 1635-1646.
- (xvi) ***J. G. Oghonyon**, J. O. Ehigie and S. K. Eke (2016). Investigating the convergence of some selected properties on block predictor-corrector methods and it's application, *Journal of Engineering and Applied Sciences*, **11(11)**, 2402-2408.

- (xvii) ***J. G. Oghonyon**, S. A. Okunuga, N. A. Omoregbe and O. O. Agboola (2015). A computational approach in estimating the amount of pond pollution and determining the long time behavioural representation of pond pollution model, *Global Journal of Pure and Applied Mathematics (India)*, **11(5)**, 2773-2785.
- (xviii) **J. G. Oghonyon**, S. A. Okunuga, and S. A. Bishop (2015). A 5-Step Block Predictor and 4-Step Corrector Methods for Solving General Second Order Ordinary Differential Equations. *Global Journal of Pure and Applied Mathematics*, **11(5)**, 3847-3862.
- (xix) ***J. G. Oghonyon**, S. A. Okunuga, N. A. Omoregbe and O. O. Agboola (2015). Adopting a variable step size approach in implementing implicit block multistep method for non-stiff ordinary differential equation equations. *Journal of Engineering and Applied Sciences*, **10(7)**, 174-180.
- (xx) ***J. G. Oghonyon**, S. A. Okunuga, N. A. Omoregbe and O. O. Agboola (2015). K-step block predictor-corrector methods for solving first order ordinary differential equations. *Research Journal of Applied Sciences*, **10(11)**, 779-785.
- (xxi) *A. A. Opanuga, O. O. Agboola, H.I. Okagbue and **J. G. Oghonyon** (2015). Solution of differential equations by three semi-analytical techniques. *International Journal of Applied Engineering Research*, **10(18)**, 39168-39174.
- (xxii) *S. A. Bishop, M. C. Agarana, O. O. Agboola, **G. J. Oghonyon** and T. A. Anake, (2014). Existence, uniqueness and stability of mild solution of lipschitzian quantum stochastic differential equations. *Advances in Differential Equations and Control Processes*, **14(2)**, 99-116.
- (xxiii) T. A. Anake, A. O. Adesanya, **G. J. Oghonyon** and M. C. Agarana (2013). Block Algorithm for General Third Order Ordinary Differential Equations. *ICASTOR, Journal of Mathematical Sciences*, **7(2)**, 127-136.
- (xxiv) E. A. Adebile, T. A. Anake, A. O. Adesanya and **G. J. Oghonyon** (2011). Numerov's Method for the Solution of Second Order Initial Value Problems of Ordinary Differential Equation Using Modified Block Method. *The Nigerian Journal of Education*, **9(2)**, 45-54
- (xxv) J. A. Osilagun, A. O. Adesanya, T. A. Anake and **G. J. Oghonyon** (2009): Four steps implicit method for the solution of general second order ordinary differential equation, *Journal of Natural Sciences, Engineering and Technology*, **8(1)**, 52-61.
- (xxvi) A. O. Adesanya, T. A. Anake and **G. J. Oghonyon** (2009). Continuous implicit method for the solution of general second order ordinary differential equation. *Journal of Nigerian Association of Mathematical Physics*, **15(2009)**, 71-78.

7. CONTRIBUTION TO BOOK (INTERNATIONAL/LOCAL):

- (i) H.I. Okagbue, O.O. Agboola, A.A. Opanuga and J.G. Oghonyon (2018). Classes of Ordinary Differential Equations Obtained for the Probability Functions of Gumbel Distribution. Transactions on Engineering Technologies: World Congress on Engineering and Computer Science 2017. Publisher: Springer (**Accepted to be published**)

8. MANUSCRIPTS SUBMITTED FOR PUBLICATION

- (i) K. S. Eke, B Davaaz, **J. G. Oghonyon**. Relation-theoretic common fixed point theorems for a pair of implicit contractive maps in metric spaces. Communications in Mathematics and Applications. In: Web of Science Core Collection (Emerging Source Citation Index, Thomson Reuters).
- (ii) S. A. Bishop, M. C. **J. G. Oghonyon**. On nonclassical impulsive ordinary differential equations with nonlocal conditions. International Journal of Analysis and Applications. In: Web of Science Core Collection (Emerging Source Citation Index, Thomson Reuters).

9. UNPUBLISHED CONFERENCE/WORKSHOP PAPERS

- (a)
 - (i) **J. G. Oghonyon**, Member, IAENG, N. A. Omoregbe, S. A. Bishop (2017). The Mathematica Kernel Programming Codes Designed for Implementing Block Milne's Device. World Congress on Engineering and Computer Science (WCECS), USA, October 25-27, 2017.
 - (ii) **J. G. Oghonyon**, Member, IAENG, S. A. Okunuga, H. I. Okagbue (2017). Expanded Trigonometrically Matched Block Variable-Step-Size Technics for Computing Oscillating Vibrations. World Congress on Engineering and Computer Science (WCECS), USA, October 25-27, 2017.
 - (iii) **J. G. Oghonyon**, Member, IAENG, S. A. Okunuga, O. A. Odetunmibi, H. I. Okagbue (2018): Multiprocessing suited pace size proficiency for ciphering first order ODEs, World Congress on Engineering (WCE), UK, July 4-6, 2018.
 - (iv) **J. G. Oghonyon**, Member, IAENG, M. R. Odekunle, A. O. Adesanya, O. F. Imaga (2018): Softcodes of parallel processing Milne's device via exponentially fitted method for valuating special ODEs, World Congress on Engineering (WCE), UK, July 4-6, 2018.

PUBLISHED CONFERENCE/WORKSHOP PAPERS

(b)

- (i) O. O Agboola, J. A. Gbadeyan, A. A. Opanuga, M. C. Agarana, S. A. Bishop and **J. G. Oghonyon (2017)**. Variational iteration method for Natural Frequencies of a Cantilever Beam with Special Attention to the Higher Modes. In: Proceedings of the World Congress on Engineering, Volume 1: 148-151.
- (ii) S. A. Bishop, IAENG Member, M. C. Agarana, H. I. Okagbue and **J. G. Oghonyon (2017)**. On Unique Solution of Quantum Stochastic Differential Inclusions. In Proceedings of the World Congress on Engineering and Computer Science, Volume 1: 361-364.

10. CONFERENCES ATTENDED

- (i) World Congress on Engineering and Computer Science 2017 (WCECS 2017), San Francisco, USA, October 25-27, 2017 (Proxy).
- (ii) World Congress on Engineering 2018 (WCE 2018), Imperial College, London, United Kingdom, July 3-6, 2018 (Proxy).
- (iii) Inaugural Nigerian Mathematics in Industry Study Group (NIGMISG) Workshop, Covenant University, Ota, Nigeria, July 11-15, 2016.
- (iv) 2nd International Conference on African Development Issues, Covenant University, Ota, Ogun State, Nigeria, May, 2015.
- (v) 34th Annual Conference of Nigerian Mathematical Society, University of Lagos, Akoka-Lagos, June 23-27, 2015.
- (vi) On the Error Analysis of a One-Step Continuous Implicit Hybrid Method. International Conference on Mathematical Analysis and Optimization: Theory and Application in University of Lagos.
- (vii) International Workshop & Training on “Mathematical Modelling, Neural Network, Data Mining and Scientific Computing with Maple & MATLAB”, organized by Department of Mathematics, Covenant University, Ota; 23rd – 27th May, 2011.
- (viii) Workshop on Foundations of Mathematical Analysis (2009), Abuja.

11. B.Sc/ M.Sc /Ph.D SUPERVISION

No. of Students Supervised Since 2008/2009 Academic Session: 10.

12. ACADEMIC LINKAGES

- (i) Active membership of professional bodies as listed in 13.

(i) Editorial Engagement

- * Reviewer, Pacific Science Review A: Natural Science and Engineering.

13. MEMBERSHIP OF LEARNING SOCIETIES AND PROFESSIONAL BODIES

- Member, Nigerian Mathematical Society (NMS).
- Member, International Association of Engineers (IAENG).

EXTRA CURRICULAR ACTIVITIES

- Sport-football and swimming.

NAMES & ADDRESSES OF THREE (3) REFEREES

- (i) Prof. S. A. Okunuga
Department of Mathematics,
University of Lagos, Akoka Yaba,
Lagos State, Nigeria.
- (ii) Prof. M. R. Odekunle
Department of Mathematics,
Modibbo Adama University of Technology,
Yola, Adamawa State, Nigeria.
- (iii) Prof. N. A. Omoregbe
Department of Computer & Information Sciences
Covenant University,
Ota, Ogun State, Nigeria.

Signature & Date

