CURRICULUM VITAE

1. **Name in Full**   :   GBADAMOSI, Babatunde (Ph.D.)

2. **Date and Place of Birth:**   25th March, 1978. Ibadan

3. **State of Origin/ Nationality:**   Oyo/ Nigeria

4. **Marital Status:**   Single

5. **Permanent Home Address:**   N2/38, Oke-Are, Ibadan, Oyo State

6. **Current Postal Address :**   Department of Computer Science,

   PMB 1001, Landmark University,

   Omu Aran, Nigeria.

7. **Present Position :**   Lecturer II

8. **Name and Address of Next of Kin:**   Mr. B. A. Okunola

   National Directorate of Employment

   (NDE) Ibadan, Oyo State.

9. **Email address/ Phone No. :** badmurs0@gmail.com/08032193230

10. **Institution Attended with Dates**

    - Ladoke Akintola University of Technology, Ogbomoso: (2012-2015)
    - Ladoke Akintola University of Technology, Ogbomoso: (2009-2012)
    - Ladoke Akintola University of Technology, Ogbomoso: (2005-2006)
    - Ladoke Akintola University of Technology, Ogbomoso: (1997-2003)
    - Basorun High School, Basorun, Ibadan: (1988-1992)

11. **Academic and Professional Qualifications with Dates**

    - Doctor of Philosophy (Applied Mathematics) :   2015
    - M.Tech. (Applied Mathematics):   2012
    - Postgraduate Diploma in Computer Science :   2006
    - B.Tech. (Pure and Applied Mathematics) :   2003

12. **Work Experience with Dates**

    - Landmark University, Omu Aran: Lecturer II (November, 2015- Til Date)
    - LAUTECH, Ogbomoso: Course Facilitator LAUTECH Open and Distance Learning Centre, LODLC. (July 2015-Oct 2015)
    - LAUTECH, Ogbomoso : Teaching Assistant (May 2013- May 2015)
    - NDE Graduate Attachment Programme (GAP) : March 2006- October, 2007
    - National Youth Service Corps (NYSC): Government Boarding School, Sokoto (February, 2004- February, 2005, Teaching)

- Department of P/A Mathematics, LAUTECH : Students' Industrial Work Experience Scheme (SIWES), December, 2001- May, 2002

Special Skills

I can conveniently use Maple software to solve Ordinary and Partial Differential Equations of any order. Real life problems in Engineering, Sciences, Agriculture, and Medicine are written in differential equations and in nonlinear forms which are difficult to solve analytically. I have used the software to solve many of such problems. Also, computing is made easy by the use of Maple. I have taught many undergraduate and graduate students on how to use Maple to solve problems in their research work.

13. Thesis/Dissertations

(a) Mathematical Analysis of The Global Dynamics Model For Human Immuno defficiency Virus Infection of CD4$^+$ Cells With Treatment (Ph.D Thesis).

(b) A Study of an Epidemic Model with Infective Immigrants, Vaccination and Memory (M.Tech.Thesis).

(c) Comparative Study of Algorithms for solving non linear equation (PGD. Project).

(d) Derivation of Adams Bashforth and Adams Moulton of order 3 and 4 to solve first and second order ordinary differential equations   (B.Tech project)..

(ii). Books and Monographs: Nil

(iii). Published Articles:

  (a) Journal Articles

(i) O.O.Ayandokun, R.O.Ayeni, T.O Oluyo and **B. Gbadamosi**: Further remarks on Vaccination for non-fatal Susceptible-Infective-Susceptible (SIS) disease. May, 2011 Journal of the Nigerian Association of Mathematical Physics   (NAMP). vol 18, pp187-190

(ii) **B.Gbadamosi** and O. Adebimpe: Stability Analysis of an SIQ Epidemic Model with Non-Linear Incidence Rate. International Journal of Physical Science, IJPS. Vol 3 No 5, (2011)

(iii) **B.Gbadamosi,** O. Adebimpe, I.O. Akinola and I.A. Olopade (2012): Solving Riccati Equation Using Adomia Decomposition Method. International Journal of Pure and Applied Mathematics.IJAM, Vol 78 No 3 (2012), 409-417

(iv) O.Adebimpe and **B.Gbadamosi** (2012): Behavioural Dynamics of A SEIV Epidemic Model with Nonlinear Incidence Rate. International Journal of Research and Advancement in Physical Science, vol 2,No 1,2012 ISSN: 2276-8521 .

(v) R.O.Ayeni, **B.Gbadamosi**, S.Olaniyi and M.L. Erinle-Ibrahim (2012): A Stability analysis for a mathematical Model for the determination of optimum drug for chemotherapy of HIV. Journal of the Nigerian Association of mathematical Physics (NAMP) March 2012, vol 20, pp115-118.

(vi) R.O.Ayeni, M.L. Erinle-Ibrahim and **B.Gbadamosi** (2012): Existence and Uniqueness Solution of the Dual-Phase-Lag –Bio-Heat transfer during magnetic hyperthermia Treatment. Journal of the Nigerian Association of mathematical Physics (NAMP) July, 2012 vol 21, pp465-470,.

(vii) R.O.Ayeni, **B. Gbadamosi**, S. Olaniyi, I.A.Olopade and O.Adebimpe (2012): A Series Solution Technique for Optimal control of HIV Infection Dynamics. *An International Journal of Biological and Physical Sciences. Sience Fcous,* 17(2) pp 154-159.

(viii) R.O.Ayeni, S. Olaniyi, **B. Gbadamosi,** O.B.Ayeni and I.A .Olopade (2012): An Higher Order Solution for a Pipe Flow of a Third Grade Fluid with Variable Viscosity Arrhenius Reaction. *An International Journal of Biological and Physical Sciences: Science Fcous,* 17(2) pp. 160-168.

(ix) O.Adebimpe, A. A. Waheed and **B. Gbadamosi** (2013): Modeling and Analysis of an SEIRS Epidemic Model with Saturated Incidence Rate. *International Journal of Engineering Research and Applications,*vol.3 (5), 1111-1116.

(x) S.Olaniyi, **B. Gbadamosi** and I.A. Olopade (2013): A nonlinear Deterministic Model for HIV-Infection Dynamics with Optimal Control Strategy Using Power Series Method. *Journal of Mathematical Society,* vol.32, pg. 87-95

(xi) F.S Akinboro , A. Alao, F.O Akinpelu and **B. Gbadamosi** (2014). Optimal Control of Drug in an HIV Immunological Model. Journal of Mathematics (IOSR) e-ISSN: 2278-5728, p-ISSN:2319-65X.Volume 10, Issue 4 Ver.1 (Jul-Aug.2014). Pp 98- 105.

(xii) F.O Akinpelu and **B. Gbadamosi** (2015): Optimal Control Analysis of the Mathematical Model for HIV Infection of CD4$^+$T Cells with Treatment using Adomian Decomposition Method. *International Journal of Engineering Research and Technical Research (IJETR), ISSN: 2321-0869,* volume.3, Issue-3, March, 2015.

  (b) Journal Sent for Publication.

(i) F.O Akinpelu and **B. Gbadamosi** (2015): Mathematical Analysis of the Global Dynamics Model for HIV Infection of $CD4^+T$ Cells with Treatment using Adomian Decomposition Approach. *Journal of Mathematical Society.*

(ii) **B. Gbadamosi** (2015):Numerical Approach to mathematical Analysis of HIV Immunology Model. IJAM

(iii) **B. Gbadamosi** (2015):Numerical Technique to Analyse an HIV Immunology Model. IJAM

13. Conferences Attended with Dates:

(i) 26th Annual Colloquium of Nigerian Association of Mathematical Physic (NAMP).Kwara State University, Kwara State Nigeria. November 3rd - 6th, 2015.

(ii) 32nd Annual Conferences of the Nigerian Mathematical Society (NMS), Obafemi Awolowo University OAU, Ile-Ife, June 25-28th, 2013

(iii) 23rd Annual Colloquium of Nigerian Association of Mathematical Physic(NAMP).Redeemer's University, Redemption City, Ogun State Nigeria. November 6th - 9th, 2012.

(iv) 22nd Annual Colloquium of Nigerian Association of Mathematical Physics (NAMP). Ekiti State University, Ado-Ekiti. November 1st -4th, 2011

(v) 30th Annual Conferences of the Nigerian Mathematical Society (NMS), Federal University of Technology, Minna, July19th-22nd, 2011

(vi) 21st Annual Colloquium of Nigerian Association of Mathematical Physics (NAMP). Osun State University, Osogbo. November 2nd -5th, 2010

(vii) 29th Annual Conferences of the Nigerian Mathematical Society (NMS), Lagos State University LASU, Ojo Lagos. July 20th-23rd, 2010

(viii) 18th Annual Colloquium of Nigerian Association of Mathematical Physics (NAMP).Ladoke Akintola University of Technology, Ogbomoso. November 6th -9th, 2007.

(ix) 41st Annual Conference of the Mathematical Association of Nigeria (MAN), Usman Danfodiyo University, Sokoto. August 29-September 3, 2004.

15. Paper Presented at Conference(s) Attended:

(i) R.O. Ayeni **and** B.**Gbadamosi:** A study of an epidemic model with infective Immigrants, vaccination and memory: 22nd Annual Colloquium of Nigerian Association of Mathematical Physics (NAMP). Ekiti State University, Ado-Ekiti. November 1st -4th, 2011.

16. Current Research Activities:

Mathematical model for the determination of optimum drug for chemotherapy of Human Immunodeficiency Virus (HIV).

17. Membership of Professional Bodies

- Member: Nigeria Mathematical Society (NMS)

- Member: Mathematical Association of Nigerian (MAN)

- Member: Nigeria Association of Mathematical Physics (NAMP)

- Member: America Mathematical Society (AMS)

18. Award Received

 - Meritorious Award Recipient for Year (NYSC) 2005

19. Names and Addresses of Referee

(i) Prof (Mrs) F.O. Akinpelu

     Department of Pure and Applied Mathematics

     Ladoke Akintola University of Technology Ogbomoso

     foakinpelu@yahoo.co.uk

     +2348035605721

(ii) Prof. A.E Okeyinka

     Department of Computer Science

     Landmark University OmuAran.

     ae.okeyinka@gmail.com

     +2348035776226

 (iii) Prof E.T Ayodele
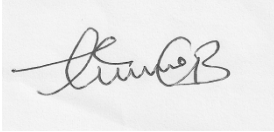
     Department of Pure and Applied Chemistry

     Ladoke Akintola University of Technology Ogbomoso

     etayodele@yahoo.com

+2348060213744

(K)   EXTRA – CURRICULAR ACTIVITIES

Traveling Music and Reading.

23/02/2016

…………………………   ……………………….
        Signature   Date