**CURRICULUM VITAE**

**File No.: HUI/SSE/PF/577**

1. **PERSONAL DATA**:
2. NAME: Ishaq, Ajimoti Adam
3. DATE OF BIRTH: 5th February, 1985
4. CURRENT POSTAL ADDRESS: 11, Elewure Compound, Sakamo

Street, Off Niger Road, Ilorin, Kwara State.

1. MARITAL STATUS: Married
2. TEL. NO. AND EMAIL ADDRESS: 08036105700,aaishaq@alhikmah.edu.ng
3. STATUS ON FIRST APPOINTMENT: Regular
4. PRESENT STATUS: Lecturer I
5. DEPARTMENT: Physical Sciences
6. FACULTY: Natural and Applied Sciences
7. **UNIVERSITIES ATTENDED WITH DATES**:
8. University of Ilorin, Ilorin, Nigeria 2013-2017
9. University of Ilorin, Ilorin, Nigeria 2010-2013
10. University of Ilorin, Ilorin, Nigeria 2002-2006

III. **ACADEMIC AND PROFESSIONAL QUALIFICATION**:

1. Ph. D Mathematics 2017
2. PGD Education 2017
3. M.Sc Mathematics 2013
4. B.Sc Mathematics 2006

IV. **SCHOLARSHIP AND PRIZES**: Nil

V. **HONOURS, DISTINCTIONS AND FELLOWSHIP**: Nil

VI. **MEMBERSHIP OF LEARNED SOCIETIES**:

1. Nigerian Mathematical Society Member
2. Science Association of Nigeria Member
3. Mathematical Association of Nigeria Member

VII. **LENGTH OF TEACHING**: 5 YEARS

VIII.**CAREER PROGRESSION**:

1. Lecturer II (Kwara State Polytechnic) 2014 - 2018
2. Lecturer II (Al-Hikmah University) 2018 – 2019
3. Lecturer I 2019 till Date

IX. **ADMINISTRATIVE EXPERIENCE SINCE BASIC QUALIFICATION**:

1. Course Lead, Mathematics unit, Department of Physical Sciences. 2020 till date
2. Post-Graduate Coordinator, Department of Physical Sciences. 2020 till date
3. Top-up Programmes Coordinator, Department of Physical Sciences. 2020 till date
4. Project Coordinator, Department of Physical Sciences. 2019 till date
5. Academic (100 Level) Adviser, Department of Physical Sciences. 2019 till date

X. **COURSES TAUGHT**:

1. At the Undergraduate Level:

S/NO 2018/2019 CREDIT UNIT 2019/2020 CREDIT UNIT

1. MAT 112 3 MAT 102 3
2. MAT 226 3 MAT 205 2
3. MAT 308 3 MAT 206 2
4. MAT 316 3 MAT 310 3
5. MAT 401 3
6. MAT 406 3
7. MAT 407 3

S/NO 2020/2021 CREDIT UNIT

1. MAT 101 3
2. MAT 202 2
3. MAT 205 2
4. MAT 306 3
5. MAT 301 3
6. MAT 310 3
7. MAT 401 3
8. MAT 402 3
9. MAT 407 3

At the Postgraduate Level: Nil

XI. **POSTGRADUATE STUDENTS’ SUPERVISION**: Nil

XII. **RESEARCH OUTPUT**: Nil

XIII. **PUBLICATIONS**:

1. **JOURNAL ARTICLES**

HOME-BASED PUBLICATIONS

1. A. M. Mustapha, **A. A. Ishaq** and A. T. Lawal (2019): Determinants of Structure of Service System through a Generalized Queue System Approach. ***Al-Hikmah Journal of Education***. Vol. 6, No. 2, pp. 43-54. Published by Faculty of Education, Al-Hikmah University. Available online at <http://www.alhikmah.edu.ng/ajhir/index.php/aje_path/index>.

**NATIONAL PUBLICATIONS**

1. M. A. Ayinde**, A. A. Ishaq,** T. Latunde and J. Sabo (2021). Efficient Numerical Approximation Methods for High-order Integro-Differential Equations. ***Caliphate Journal of Science and Technology*.** Vol. 6, pp. 188-195. Published by Sokoto State University. Available on line at e-ISSN: 2705-3121.
2. **A. A. Ishaq**, M. A. Ayinde and F. M. J(2021). Some Nonlinear Conjugate Gradient Methods using Weak Wolfe Line Search for large-scale Optimization Functions. ***Federal University Wukari Trends in Science & Technology Journal*.**  Vol. 6, No. 2, pp. 612-617. Published by Federal University Wukari.

 Available online at www.ftstjournal.com.

1. **A. A. Ishaq**, T. Latunde, O. D. Ugwumu, A. M. Mustapha and J. O. Ajinuhi (2019): Impacts of Simulation-Games on Teaching and Learning Mathematics. ***Journal of Science Technology and Education***. Vol. 7, No. 4, pp. 129-134. Published by 2019 Faculty of Technology Education, ATBU Bauchi. Available online at

 www.atbuftejoste.com.

1. T. Latunde, A. F. Adedotun, J. O. Ajinuhi, Y. T. Owolabi and **A. A. Ishaq** (2019): Control Policy and Sustainability for Decision-Making in Asset Management. ***Journal of Science Technology and Education***. Vol. 7, No. 4, pp. 248-254. Published by 2019 Faculty of Technology Education, ATBU Bauchi. Available online at www.atbuftejoste.com.
2. **A. Ajimoti** and O. M. Bamigbola (2016): A Gradient-Based Step-Size Rule for Conjugate Gradient method. ***Journal of the Nigerian Association of Mathematical Physics***. Vol. 35, pp. 85-92. Published by the Nigerian Association of Mathematical Physics.

INTERNATIONAL PUBLICATIONS

1. T. Oyedepo, M. A. Ayinde, A. A. Ishaq and A. E. Adenipekun (2021). Least-Squares Chebyshev Method for Solving Fractional Integro-Differential Equations. *Engineering and Technology Journal.* Vol. 6, No. 7, pp. 959-963. Published by Everant Journal. Available on line at e-ISSN: 2456-3358.
2. T. Latunde, **A. A. Ishaq**, A. F. Adedotun, J. O. Ajinuhi and O. J. Peter (2021): Uncertain Controllability and Observability of an Optimal Control Model. ***Advanced System Science Application***. Vol. 2, pp. 8-19. Published online at https://ijassa.ipu.ru.

 <http://www.scienceasia.asia/index.php/ama/article/download/566/245>.

1. **A. A. Ishaq**, T. Latunde and F. M. Jimoh(2020). An Optimum Line Search for Unconstrained Non-Polynomial Test Functions using Nonlinear Conjugate Gradient Methods. **International Journal of Mathematical Modelling & Computations. Vol.** 10, No. 40, pp. 403-413. Published by ijmc. Available on line at ijmc2c.iauctb.ac.ir/article\_679837.html/.
2. **A. A. Ishaq**, T. Latunde and K. B. Akande (2020): A Step-Length Formula for Conjugate Gradient Methods. ***Malaysian Journal of Computing***. Vol. 5, No. 1, pp. 403-413. Published by Uitm Press. Available online at eISSN:2600-8238.
3. O. D. Ugwumu, **A. Ajimoti**, O. E. Anyanwu, F. Y. Eguda, C. E. Okorie, O. A. Afolabi and E. E. Otti (2018): A Mathematical Model for Estimating the Blood Pressure of Human beings Using Some Anthropometric Parameters. ***American Journal of Computation, Communication and Control***. Vol. 5, No. 2, pp. 52-59. Published by American Association for Science and Technology. Available online at <http://www.aascit.org/journal/ajcc>.
4. A. Ajimoti and O. D. Ugwumu (2017): Minimization of Unconstrained Non-polynomial Large Scale Optimization Problems Using Conjugate Gradient method Via Exact Line Search. ***American Journal of Mechanical and Materials Engineering***. Vol. 1, No. 2, pp. 10-14. Published by Science Publishing Group. Available online at <http://www.sciencepublishinggroup.com/j/ajmme>.
5. O. D. Ugwumu, **A. Ajimoti**, A. Owolanke, O. E. Anyanwu and E. O. Adeolu (2017): Mathematical Model for Determining the Medical Body Mass Index of Humans and the Achievement of Individual Personal Medical Transformation in Nigeria.

***American Journal of Mathematical and Computational Sciences***. Vol. 2, No. 6, pp. 68-74. Published by American Association for Science and Technology. Available online at <http://www.aascit.org/journal/ajmcs>.

1. **A. Ajimoti** and O. M. Bamigbola (2016): Numerical Experiments of the Conjugate Gradient method with and without Line Search. ***International Journal of Applied Science and Mathematics Theory***. Vol. 2, No. 1, pp. 15-32. Published by International Institute of Academic Research and Development. Available online at [www.iiardpub.org](http://www.iiardpub.org).
2. O. J. Adeleke, A. O. Adewumi, N. A. Omoregbe and **A. Ajimoti** (2015): Conjugate Gradient method Approach to Multi-Channel Queuing Theory. ***Computational and Applied Mathematics Journal***. Vol. 1, No. 2, pp. 50-54. Published by American Association for Science and Technology. Available online at <http://www.aascit.org/journal/camj>.

XIV. **CONFERENCES ATTENDED AND PAPERS PRESENTED**:

1. 56th Annual Conference of Mathematical Association of Nigeria, Rivers State University, Portharcourt. 2019
2. 35th Annual Conference of Nigerian Mathematical Society, Department of Mathematics, Federal University of Technology, Minna. 2016
3. 50th Anniversary Conference of Science Association of Nigeria, Abuja. 2016

XV. **COMMUNITY SERVICE**:

1. Creative Basin Community, Basin, Ilorin 2012-2014

 Community Chairman

1. NYSC Gabasawa LGA, Kano State 2007

 Corper Liaison Officer (CLO)

XVI. **HOBBIES/EXTRA-CURRICULAR ACTIVITIES**:

 Reading, calculating, Traveling and Sporting.