OMOJOLA, MICHEAL TEMITOPE

17, Kazeem street, Boys' Town, Ipaja, Alimosho Local Government, Lagos, Nigeria

Email: momojola@aust.edu.ng

LinkedIn: https://www.linkedin.com/in/micheal-omojola-27658219a/

Nationality:	Nigerian.
State of Origin:	Ondo.
Marital Status:	Single.
Number and Ages of Children:	None.
Phone No:	+2348071360499.
Marital Status:	Single.

Summary

Experienced teacher/lecturer with strong leadership and relationship-building skills. Skilled editor with experience in the editing industry. Familiar with journal writing and submission. Proficient with programming: MATLAB, Latex, Maple, Scilab, and Mathematica. Excellent presentation, interpersonal, and written communication skills.

Accomplishments

Professional

➢ Development of Market Technical Indicators, such as Volatility, Simple Moving Average (SMA), Exponential Moving Average (EMA), Relative Strength Index (RSI), Moving Average Convergence Divergence (MACD), Stochastic Oscillator, Bollinger Bands, and Average True Range (ATR) using the MATLAB software.

➢ Option pricing with an application of Black-Scholes-Merton formula in the derivation of the Option Greeks, such as Gamma, Delta, Rho, Vega, and Theta, as well as Implied Volatility via the MATLAB.

➢ Quantitative trading: Mean Reversion Trading, Dynamic Trading, and Arbitrage using MATLAB and Python.

Research/Teaching

➢ Improved the quality of research output by 20% through the following:
  • Development of MATLAB programming language algorithms, with applications to convex analysis, optimization, variational inequalities, and equilibrium problems.
  • Analysis and interpretation of research results

➢ Assisted in mentoring a master's student during research work.

➢ Paced up collaborative process with other authors by creating correspondence through emails.

➢ Identified new trends in research and proposed them to a supervisor or colleague for potential research.

➢ Produced original research papers.

➢ Lectured three classes—Mathematics, Purchasing and Supply, and Marketing—of about 155 students mathematics courses, up to 12-16 hours per week.

➢ Carried out examination evaluation supervision and provided academic as well as advisory support to students with challenges;

➢ Employed mathematical software such as Matlab, Maple, Scilab, Mathematica, and Latex in developing programs and writing articles.

Writing/Speaking Skills

- ➢ Ensured impeccable grammar, sentence structure, punctuation, and word choice in sentences.
- ➢ Ascertained the flow, transition, correct terminology, correctness of content, and coherence of write-ups in manuscripts.
- ➢ Continuously verified and ascertained that manuscripts are in the right format, conforming to academic standards, as regards layout, section heading, tense usage, and citation style.
- ➢ Ensured compliance of manuscripts to journal publishers' requirements by applying the right format.
- ➢ Provided constructive feedbacks to customers and authors, thereby enhancing their writing skills.

Leadership

- ➢ Supervised the research team of National Service Youth Service Corps in Iseyin, Oyo State, Nigeria, 2017, on statistical analysis of demographical distribution of corpers in the Camp.
- ➢ Led the school team to victory in 2016 National Mathematics Competition for University students.
- ➢ Managed the school soccer team for God's Blessing Comprehensive High School as a teacher.
- ➢ Spearheaded the school Quiz team, thereby obtaining victory, in 2010, during the Inter-school competition.
- ➢ Oversaw the activities of the JETS club of God's Blessing Comprehensive High School as the president in 2010.
- ➢ Superintended the students', as the president in 2010, weekly activities, programmes, and events.

Work Experience

Job Title	Employer	Date
Executive Associate	Page International Financial Service Limited, Ikoyi, Nigeria.	20/05/2022 till date
Associate	Page International Financial Service Limited, Ikoyi, Nigeria.	01/01/2021 - 20/06/2022
Mathematician and Analyst	Page Capital Limited	01/08/2020 - 31/12/2020
Researcher	African University of Science and Technology, Abuja.	Feb. 2020 – March 2020
Freelance Editor	Enago, New York City, New York, United States.	Oct. 2019 – Dec. 2020
Assistant Lecturer	The Ibarapa Polytechnic, Eruwa, Oyo State, Nigeria.	Feb. 2017 – Dec. 2017
Programming Intern	Department of Mathematical Sciences, The Federal University of Technology, Akure, Ondo State, Nigeria.	June 2015 – Dec. 2015
Mathematical and Further Mathematics Instructor	God's Blessing Comprehensive High School, Ferguson Osagie Street, Onikanga, Ayobo, Lagos State.	Sep. 2010 – Dec. 2010
Mathematical and Physics Instructor	Neweds High School, Onikanga, Ayobo, Lagos State.	Sep. 2010 – July 2010

Education

- • **African University of Science & Technology, Abuja,** (2019)**.** M.Sc. Pure and Applied Mathematics.

- **Federal University of Technology, Akure** (2016)**.** B. Tech., Mathematics (First Class Honors)
- **God's Blessing Comprehensive High School,** (2010). Senior School Leaving Certificate. Lagos State, Nigeria (Distinction)
- **God's Blessing International School,** (2005). Primary School Leaving Certificate. Lagos State, Nigeria.

Awards

- MSc Scholarship Award, Pan African Materials Institute, 2019.
- King of the Book Zone Award, African University of Technology, Abuja, 2019.
- Best Student Mathematician, National Mathematics Competition, Nigeria, 2016.
- Gold Medalist, National Mathematics Competition, Abuja, 2016.
- University Scholarship for Indigent Students, Federal University of Technology, Akure, 2016.
- International Mathematics Competition, Bulgaria (Participant/Country's representative), 2016.
- Excellence Productivity Award, Federal University of Technology, Akure, 2017.
- Best Student Mathematician, Federal University of Technology, Akure, 2016.
- First Class Honors (Division), Federal University of Technology, 2016.
- First Class Honors Award (Division), Federal University of Technology, 2016.
- Best Teacher, Neweds High School, (2010).
- Best Graduating Student, God's Blessing Comprehensive High School, (2010).
- Best Student Mathematician, God's Blessing Comprehensive High School, (2010).
- Best Student in Physics, God's Blessing Comprehensive High School, (2010).
- Best Student in Biology, God's Blessing Comprehensive High School, (2010).
- Winner, School Mathematics Competition, God's Blessing Comprehensive High School, (2009).
- Best Student of the Year, Senior Secondary School 2, God's Blessing Comprehensive High School, (2009).
- Best Student of the Year, Senior Secondary School 1, God's Blessing Comprehensive High School, (2008).
- Best Student of the Year, Junior Secondary School 3, God's Blessing Comprehensive High School, (2007).
- Best Student of the Year, Junior Secondary School 2, God's Blessing Comprehensive High School, (2006).
- Best Student of the Year, Junior Secondary School 1, God's Blessing Comprehensive High School, (2005).

Publications (Papers)

1. Makinde, O. D., Omojola, M.T., Mahanthesh, B., Alao, F.I., Adegbie, K.S., Animasaun, Isaac Lare, Wakif, A., Sivaraj, R., and Tshehla, M.S. (2018). Significance of Buoyancy, Velocity Index and Thickness of an Upper Horizontal Surface of a Paraboloid of Revolution: The Case of Non-Newtonian Carreau Fluid. Defect and Diffusion Forum, 387, 550–561. doi:10.4028/www.scientific.net/ddf.387.550

2. A.U. Bello, M.T. Omojola, and M.O Nnakwe, *Parallel Methods for Solving Split Common Fixed Point Problems of Strict Pseudo-Contraction Mappings in Hilbert Spaces With Applications.* (Accepted in Applied Set-Valued Analysis and Optimization).

3. Omojola M.T. and Emrah K., "*A class of non-symmetric band matrices*". (Submitted to Turkish Mathematical Society).

4. M. A. Onyido, M. O. Uba, A. U. Bello, C. I. Udeani, and M. T. Omojola, *A Novel Algorithm for Hammerstein Equation With Bounded Hemi-Continuous and Monotone Mapping*. (Submitted to Advances in Computational Mathematics.)

5. Abdulmalik U. Bello; Markjoe Olunna Uba; Micheal T. Omojola; Maria A. Onyido; Cyril I. Udeani. *On a result of Bruck concerning zeros of maximal monotone operators* (Submitted to Journal of Fixed Point Theory and Applications).

6. A.U. Bello, M.T. Omojola, and J. Yahaya, *New Inertial Algorithm for Approximation of Solutions of Hammerstein Integral Inclusions in Hilbert Spaces.* (Submitted to Applied Mathematics and Computation).

7. M.O. Nnakwe, A.U. Bello, and M.T. Omojola, *Viscosity Inertial Algorithm for Zeros of Monotone Maps With Applications.* (Submitted to Optimization).

8. M. O. Nnakwe; A. U. Bello; Michael T Omojola; B. C. Ifebude, *An inertial algorithm for approximating infinite family of strict pseudocontraction-type maps with an application.* (Submitted to Rendiconti del Circolo Matematico di Palermo Series 2.)

9. M.O. Nnakwe and M.T. Omojola, *On the Effect of Inertial Term on Algorithms for Approximating Solutions of Split Feasibility Problems*

10. Monday Ogudu Nnakwe; Micheal Temitope Omojola and Chinedu Izuchukwu, *A Strong Convergence Theorem for Approximating Solutions of Split Feasibility Problems with Applications.* (Submitted to Numerical Algorithms).

11. M.O. Nnakwe, M.T. Omojola, I. Chinedu, J. Ezeora. A one step Algorithm for Approximating Solutions of Variational Inequality and Split Fixed Point Problems with Applications. (Submitted to Positivity, Springer.)

12. S.N. Jator, D.C. Mayo, and M.T. Omojola, *Block Hybrid Third Derivative Nystrom type Method for Bratu's equation*, (Submitted to Mathematics and Computers in Simulation).

Publications (Books)

➢ Omojola M.T. and M. A. Onyido, "*Real Analysis through Problem Solving*". (In progress).

Master's Thesis Title

Approximation of Common Zero for a Finite Family of Monotone Operators and Common Fixed Point for a Countable Family of Strict-Pseudo Contraction Mappings in Hadamard Spaces. *Supervised by Professor C.E. Chidume; co-supervised by Dr. A.U Bello.*

Certificates (Professional Courses)

➢ **Learning How to Learn: Powerful mental tools to help you master tough subjects:** McMaster University, University of California San Diego and Coursera. Verification: coursera.org/verify/WMPMG7JZZ3NX
➢ **Mindshift: Break Through Obstacles to Learning and Discover Your Hidden Potential:** McMaster University. Verification: coursera.org/verify/PV6KNNNHU95V.
➢ **Programming for Everybody (Getting Started with Python)** by Professor Charles Severance, University of Michigan and Coursera. Verify at https://www.coursera.org/ /verify/9KQGA4WJHLWB
➢ **Introduction to Programming with MATLAB** by Professor Akos Ledeczi and Professor Emeritus J. Michael Fitzpatrick, Vanderbilt University and Coursera. Verify at https://www. coursera.org /verify/W469W96STQBG

Certificates (Events, Workshops, and Conferences)

- ➢ **Certificate of Achievement:** Pan African Materials Institute (PAMI); for participation in the Pan African School of Materials Workshop sessions from August 20 to 24, 2018.
- ➢ **Certificates of participation:** International Mathematics Competition for University Students, Bulgria, and National Mathematics Competition for University Students 2016.
- ➢ **Certificate of Participation:** 23rd International Mathematics Competition for University Students, 25 -31 July, 2016, Blagoevgrad, Bulgaria.
- ➢ **Certificate of Participation:** National Mathematics Competition for University Students, 3rd – 8th April, 2016, Abuja, Nigeria.
- ➢ **Certificate of National Service,** National Youth Service Corps, Nigeria, 24th October, 2017.

Courses

Undergraduate

Stochastic Processes; Numerical Analysis I, II, & III; Partial Differential Equations; Complex Variable I & II; General Topology; Optimization Theory; Multivariate Statistics; Functional Analysis; Mathematical Methods; Introduction to Mathematical Computing; Statistical Inference I & II; Operations Research I & II; Statistical Quality Control; Fluid Dynamics ; Dynamics of Rigid Body; Theory of Ordinary Differential Equations; Lebesgue Measure and Integration; Practical Skill in Entrepreneurship; Experimental Design; Probability Theory; Abstract Algebra; Metric Space Topology; Complex Analysis I & II; Introduction to Entrepreneurship; Distribution Theory; Real Analysis; Vector and Tensor Analysis; Vectorial Mechanics; Linear Algebra; General Agriculture (Theory & Practical); Computer Programming Language I & II; Differential Equation; Mathematical Methods; Man and His Environment; Introductory Physics I & II; Statistics for Physical Sciences & Engineering; Workshop Practice; Use of English I & II; General Physics; Engineering Drawing; Information Retrieval; Introductory Chemistry.

Postgraduate

Foundation in Mathematics for Science and Engineering; Foundations of Mathematical Analysis I & II; Foundation of Riemann Integral; Linear Algebra; Metric Spaces & Calculus in Rn; Differential Calculus (ODE); Linear Partial Differential Equations (Classical); Topology; Measure Theory & Integration; Lp Spaces & Related Topics; Linear Applicable Functional Analysis; Sobolev Spaces & Elliptic PDEs.

Research Interest and Activities

- Financial Mathematics
- Fixed Point Theory
- Hammerstein Integral Equations
- Optimization
- Numerical Analysis
- Fluid Dynamics
- Mathematical Modeling
- Variational Inequalities
- Linear Algebra

Service to National and International Bodies

- Free Medical Healthcare, NYSC, 2017
- Head of Research, Research Survey, NYSC Camp, 2017.

REFERENCES

Simeon Reich, Professor Emeritus of Mathematics, Technion-Israel Institute of Technology, Israel, sreich@technion.ac.il

Abdumalik Usman Bello, Assistant Professor of Mathematics, African University of Science and Technology, km 10, Airport Road, Galadimawa Junction, Abuja, uabdulmalik@aust.edu.ng

Emrah Kilic, Professor of Mathematics, University of Economics and Technology, ekilic@etu.edu.tr