

## SHORT RESUME/CV

**Name and Title:** Rev. Dr. Nkechi Agwu, Professor                      **Department:** Mathematics

**College:** BMCC, City University of New York (CUNY)

**Address, Telephone, and Email:** Jacob's House, Alayi, Bende LGA, Abia State, Nigeria; 08066559239 or 08033911826 (phone), [njadagwu@gmail.com](mailto:njadagwu@gmail.com) (email)

### **Education:**

- Syracuse University (SU), Syracuse, Ph.D. (95), Major – Math Ed., Minor – Cultural Foundations
- University of Connecticut (UCONN), Storrs, M.S. (89), Major - Mathematics.
- University of Nigeria, Nsukka (UNN), B.S. (Hons) (84), Major – Mathematics, Minor – Statistics

### **Relevant Continuing Education**

- Mathematical Association of America (MAA) (03-05) Institute for Preparing Mathematicians to Educate Teachers, Certification in Elementary Teacher Preparation, Certification in Secondary Teacher Preparation
- MAA Institute in the History of Mathematics & Its Uses in Teaching (IHMT) (97 – 02), Certification in History of Mathematics & Its Uses in Teaching, Certification in Using History of Teach Mathematics, Certification in Curriculum Development in the Teaching of School Mathematics Using History

### **Licenses (last two years)**

- Worldwide Association of Small Churches (WASC), Chaplaincy and Ministerial (16)
- New York State Notary (16)
- CPR & First Aid (16), Mental Health First Aid (17)

### **Experience**

#### Teaching

- BMCC, CUNY, New York, Mathematics, Professor (95 – Present)
- SU, Mathematics, Teaching Fellow (91 - 95)
- UCONN, Mathematics, Teaching Assistant (87 – 91)
- Kaduna Polytechnic, Kaduna, Mathematics, Lecturer (85 – 87)
- Federal Office of Statistics, Enugu, Statistician on National Youth Service (84 – 85)

#### Administrative/Managerial

- CHI STEM TOYS INC. (CST) (14 – Present), Founder/Trustee/Executive Secretary
- Carnegie African Diaspora Fellowship (CADF) Project (14 - Present), Project Coordinator for Partnership Team from Federal University of Technology, Akure (FUTA) (14) and National Mathematics Centre, Abuja (NMC) (16 – Present).
- WASC (17 – Present), Africa Representative & Coordinator of Bronx WASC Chaplaincy/CHI STEM Fellowship, Organizer of 2017 WASC Business/Ministerial Delegate Trip to Nigeria
- Glorious Miracle Embassy International Inc. (GMEI) (16 – Present), Trustee, Secretary & Missions Outreach Pastor
- Pa. J. U. Agwu International Conference & Media Center (PJUAICMC), Nigeria (16 – Present), Chairman of the Board
- Humanity Development Initiative Inc. (HDI) (16 – Present), US Coordinator
- Pelham Lab High School Parent Teacher Association (13 – 17), President (13 – 16),

Secretary (16 – 17), School Leadership Team (13 – 17)

- American Association of University Women (AAUW), New York City Branch Inc., (07 – 13), Program Vice President (06 - 08), Executive Vice President (08 - 09) & President (09 – 13), Other Leadership Responsibilities for State & National Body
- American Mathematical Association of Two Year Colleges (AMATYC) (98 – 10), Historian (05 – 10), Digital Products Review Committee Chair for *Beyond Crossroads* Signature Publication (05 – 06), Writing Team Chair for Chapter on Teaching of *Beyond Crossroads* Signature Publication (01 – 06), Other Leadership Responsibilities at National, Regional and Local Level.
- MAA (96 -15), IHMT Writing Team Chair for Linear Equations Module & for Polynomials Module (98 – 01), Centennial History Committee (05 – 15), Other Leadership Responsibilities
- Project Kaleidoscope of Association of American Colleges & Universities (97 – 07), Faculty for the 21<sup>st</sup> Century (F 21) (07), Internal Evaluator BMCC Leadership Institute (04-07), Other F 21 Leadership, Publications & Conference Planning Responsibilities
- BMCC, CUNY (97 – Present), Director of the Center for Excellence in Teaching, Learning & Scholarship (CETLS) (03 – 06) & Co-chair of the Faculty Interest Group on Culture, Women’s Stories and Creativity in STEM (18), Mathematics Department Deputy Chair & Summer II Coordinator (97 – 99) and Other Leadership Responsibilities for Senate, Union, CETLS & Mathematics Department
- P.S. 182 Parent Association (06 – 07), Title I Officer
- UCONN (88 – 91), Mathematics Center Coordinator

#### Publishing

- Journal of CUNY Mathematics Discussion Group (96 – 02), Editor (98 – 02), Executive Committee (96 – 02)
- *African Personality Magazine* (97 – 02), Co-owner, Editorial Board, Marketing & Advertising Director
- *American Journal of Undergraduate Research* (02 – Present), Mathematics Editor
- *Mathematics Teaching Research Journal* (07 – Present), Editorial BOard

#### Consulting

- Consulting work with a variety of educational organizations (85 – present), viz., National Mathematics Centre (NMC), Abuja, PANAFSTRAG, West African Examinations Council, Nigeria, Educational Testing Services, College Board, Excelsior College, CUNY on the Concourse, Algebra Project, New Visions Inc., Marian Brazziel Associates

#### **Academic/Professional Recognition:**

##### Major Awards (last two years)

- CADF Award (16-17); Conference Mini-Grant (16)
- Marquis Who’s Who (17 - 18): (1) Excellence in Mathematics; (2) Top Educators; (3) Professional Women; (4) Industry Leaders (5) In America
- WASC, Global Church Diversity Award (16)
- HDI, Ambassador for Change (16)

#### Invited Talks With Published Presentation (last two years)

- Nigerian Women in Agricultural Research for Development (NiWARD) 5<sup>th</sup> Annual Conference (17), “Mathematical Stories of NiWARD Women: A Framework for Capacity Building in Science, Technology, Engineering and Mathematics (STEM) Related Fields.”
- 36<sup>th</sup> Annual Conference of the Nigerian Mathematics Society (17), “Culture and Women’s Stories: A Framework for Capacity Building in STEM Related Fields,” Report of CADF Project.
- 5<sup>th</sup> RUFORUM Biennial Regional Conference (16), “Mathematical Aso-Oke: Ndebele dolls, vertex-edge graphs, cryptology and number patterns in the lives of African Women in Agricultural Research and Development (AWARD).”

#### Current Project With Most Recent Related Publication:

- “Culture & Women’s Stories: A Framework for Capacity Building in STEM Related Fields” – Partially funded by BMCC, CUNY; CADF; NMC; Federal University of Technology, Akure; Pan-African Strategic & Policy Research Group (PANAFSTRAG); NiWARD; PJUAICMC; GMEI; CST; WASC; Drammeh Center; Black Women for Black Girls Inc.; and New Covenant Christian School, Bronx.
- *Mathematics Teaching Research Journal* (Winter 17/18), volume 9, number 3 – 4, pp 3 – 21, “Pilot study on the effect of the use of cultural materials and women’s stories on the academic achievement of senior secondary school students in geometry in Abuja, Nigeria,” co-authored with NMC team members of CADF Project.

#### Books Published (last 3 years)

- *Woman Thou Art Loosed: Escaping the Limitations of Femininity* (16), ISBN 9781532702464, Co-authored with Rev. Emmanuel Angel.
- *The Grace of Dr. Mrs. Mojisola Olayinka Edema* (16), ISBN 9781530011148, Co-edited with Dr. Stella Williams and Ms. Olabukunola Williams.
- *God’s Own: The Genesis of Mathematical Story-Telling* (15), ISBN 9781522854838.

#### **Some Professional Highlights**

Dr. Agwu is a children, youth and women’s motivator, as indicated by her work in CHI STEM TOYS INC., an NGO birthed out of her educational research and curriculum development activities and CADF Project. CHI STEM TOYS INC. is geared towards teaching children, youth, women and educators, how to make toys, cultural heritage or local technology items, from recycled and readily available materials, while simultaneously reinforcing knowledge of STEM concepts, fostering creativity and innovation, facilitating leadership, communication and business entrepreneurship skills, and for educators providing related professional and curriculum development. Dr. Agwu regularly mentors children and students within programs of CHI STEM TOYS INC.; GMEI Children’s Ministry; PJUAICMC; and a variety of research programs at BMCC, CUNY. She has served as a faculty advisor for the African Student’s Club at BMCC, CUNY, for the past two decades. She has experience working with people with special needs both as an educator and from personal experience as the mother of a child who was hearing and speech impaired. She was an External Reviewer for the FIPSE *Audio Tactile Statistics Curriculum Project* of the Office of Disabilities, Baruch College. She was an AMATYC INPUT & Travel Awardee (00&97) for curricular work. For information see: <http://www.whoswhoofprofessionalwomen.com/listee-features/nkechi-agwu>

**References Available Upon Request**