

# DEBORAH OLAYIDE A. AJAYI

DEPARTMENT OF MATHEMATICS, UNIVERSITY OF IBADAN, IBADAN, NIGERIA

+2348034188092 ▪ adelaideajayi@yahoo.com ▪ olayide.ajayi@ui.edu.ng

## EDUCATION

### UNIVERSITY OF IBADAN, IBADAN, NIGERIA

Ph.D. Mathematics 1996

M. Sc. Mathematics 1990

B. Ed. Mathematics (Pure and Applied) 1986

## PROFESSIONAL EXPERIENCE

### UNIVERSITY OF IBADAN, IBADAN, NIGERIA.

Professor	10/2017 – date
Associate Professor	10/2014 – 09/2017
Senior Lecturer	10/2001 – 09/2014
Lecturer I	10/1997 – 09/2001
Lecturer II	10/1992 – 09/1997
Assistant Lecturer	05/1990 – 09/1992

### Responsibilities:

- Teaching and assessing students' progress in Mathematics at both undergraduate and postgraduate levels, using innovative and appropriate teaching techniques and materials.
- Guiding and supervising B.Sc., M. Sc. Projects, M.Phil. dissertation and Ph. D. thesis.
- Conducting research to advance and disseminate knowledge in areas of Algebraic Topology, Differential Geometry, Discrete Mathematics and their applications.
- Serving on academic and administrative committees that review and develop curriculum, review and recommend policies, advise on appointment and promotion within the department and the faculty.

### EMMANUEL ALAYANDE UNIVERSITY OF EDUCATION, OYO NIGERIA.

Pioneer Dean/Visiting Professor, Faculty of Science Education, 09/2023 – 10/2025

### UNIVERSITY OF OXFORD, UNITED KINGDOM.

Academic Visitor 01/2022 – 03/2022

Academic Visitor 04/2021 – 06/2021

### PENNSYLVANIA STATE UNIVERSITY, STATE COLLEGE, USA.

Visiting scientist 01/2011 – 12/2011

### TECHNISCHE UNIVERSITAAT, BERLIN, GERMANY.

Guest Scientist 01/2010 – 03/2010

### INTERNATIONAL CENTRE FOR THEORETICAL PHYSICS, ITALY.

Associate 2002 – 2007

Affiliate 06/1995 – 09/1995

## **ADEKUNLE AJASIN UNIVERSITY, NIGERIA**

Visiting Lecturer/ Ag. Head Of Department of Mathematics /Computer Science

07/2003 – 08/2004

### **LEADERSHIP & WORK EXPERIENCE**

#### **UNIVERSITY OF IBADAN**

Department of Mathematics

*Head of Department* 08/2018 – 07/2020

- Provided oversight and managed the staff, students and committees in the departments.
- Recruited new members of academic staff as assistant lecturers.
- Pioneered Postgraduate workshop in the Department, targeted at improving the quality of the department's postgraduate programs.
- Created an online platform with over 300 Alumni, monitoring their progress and enlightening them about activities in the department.
- Created an inclusive, positive workplace environment.
- Sustained and strengthened diligent and effective teaching of courses; proper internal moderation of question papers and conducive environment for the conduct of examinations.
- Department had collaboration with University of Oxford and three African Universities in research Project "Capacity building in Africa via technology- Driven Research In algebraic and arithmetic geometry".
- Collaborated with other head of departments in the faculty for the advancement of the faculty
- Hosted a scholar from Kenya through the Intra-Africa Academic Mobility Scheme of the African Union
- Hosted the following international programs in the department:
  - programming workshop for African Scientists with trainers from School of Computing, Glasgow University led by one of our alumni.
  - Sage days 102 organized by Open Digital Research Environments Toolkit for the Advancements of Mathematics (OpenDreamKit), based in Europe.
  - 1st Olubunmo Colluquim with theme centred on Abstract Harmonic Analysis and guest lecturer was Professor Kinvi Kangni, University of Felix Houphouet Boigny, Abidjan, Ivory Coast.
  - Algebraic Geometry and Applications - The first-year project and research activities of the "Pole of Research in Mathematics and Applications in Africa" (PREMA).

#### **UNIVERSITY OF IBADAN**

Department of Mathematics

*Post Graduate Coordinator* 08/2013 – 07/2015

- Ensured quick and accurate processing of applications, provided advice and support to applicants throughout the admissions process into the postgraduate academic programs (M.Sc., M.Phil., M.Phil/PhD and PhD) and professional (Master of Financial Mathematics) program of the department
- Maintained and processed the database of postgraduate students' information including progress reports, academic records and personal details.
- Coordinated seminar presentations by postgraduate students

- Advised students regarding academic requirements, course selection and their progress reports.
- Evaluated and updated the postgraduate curriculum as need arose
- Presented students' abstracts for processing the registration of thesis/ dissertation titles
- Coordinated oral and written examinations of postgraduate students

## **UNIVERSITY OF IBADAN**

### **Peer Assisted Study Session (PASS)**

*Pioneering Coordinator* 01/2017- 01/2020

- Wrote the proposal on PASS, which having passed through due process, was presented to the University senate and ratified.
- Implemented, managed and evaluated the PASS program
- Selected, trained, supported and supervised PASS leaders and ambassadors
- Participated in PASS coordinators training at London School of Business and Management, organised by European SI-PASS centre, Lund University, Sweden

## **UNIVERSITY OF IBADAN**

### **Pastor E. A. Adeboye Professorial Chair Holder In Mathematics 10/2023 – 10/2025**

- Organised in conjunction with Nigerian Women in Mathematics, International Women in Mathematics Day with the theme – Celebrating Women in Mathematics: The Nigeria Pacesetters
- Grant conference support for academic staff in the department to attend the National Mathematical Society annual conference
- Support the department in hosting the annual National Mathematical Society Annual Conference
- Attended African Women in Algebra conference in Uganda in order to mentor upcoming African Women in Algebra
- Organised a one day training workshop for female teachers in Mathematics in Oyo State November, 2024
- Organised Women in Mathematics Day event May 2025

### **University Service (Selected)**

- Member of University Senate 2021 – till date
- Congregation Representative on the University Senate 2007 – 2009, 2016 -2021
- Assistant Hall Warden Queen Idia Hall 2002 – 2004

### **Faculty of Science Service (Selected)**

- Faculty of Science Staff and Students Welfare Committee 2023 – date
- Journal of Science Research Editorial Board (Associate Editor) 2023 – date
- Member, Faculty of Science Appointments and Promotions Committee 2020 to date
- Member, Faculty of Science Quality Assurance Committee 2005 – 2006, 2014 – 2018
- Member, Faculty Committee on PG Courses in Laboratory Technology 2015 – 2018
- Member, Strategic Planning Committee for Faculty of Science 2015 – 2017

### **Departmental Service (Selected)**

- Member, Research and mentoring committee 2020 – date
- Algebra/Geometry/ Topology research group coordinator 2015 – date
- Departmental postgraduate coordinator 2016 – 2018
- Departmental Students Adviser 1998 – 2003

- Member, Departmental Computer Management Committee 1996 – 2008
- Chairperson, Departmental Computer Committee 2000 – 2003
- Departmental Examination Officer 2005 – 2007
- Departmental Undergraduate Project Coordinator 2005 – 2017

### **OUTSIDE UNIVERSITY OF IBADAN**

- External Examiner, Department of Mathematics, School of Secondary Education, Federal College of Education (Special), Oyo. December, 2016 to 2020
- External Examiner, Undergraduate Mathematics Program, Ibadan Technical University, Ibadan. October 2022 – October 2024
- External Examiner, Undergraduate Mathematics Program, Obafemi Awolowo University, Ile-ife. November, 2023 – September, 2025
- External Examiner, Undergraduate Mathematics Program, Ladoke Akintola University, Ogbomoso. April, 2024 to date
- Pioneer Dean, College of Science Education, Emmanuel Alayande University of Education, Oyo 2023 – 2025
- Curriculum Reviewer – Mathematics Program, Pan African University Institute for Basic Sciences, Technology and Innovation, Nairobi, **Kenya** February/March, 2023
- Curriculum Reviewer – B. Sc. Mathematics and M.Sc. Mathematics Program, University of the Gambia, **Gambia** July - September, 2023
- Part-time Lecturer, Pan African University Institute for Basic Sciences, Technology and Innovation, Nairobi, **Kenya** 2022/2023 to date
- Item Writer, Unified Tertiary Matriculation Examination (UTME) Mathematics, 2016
- Ag. Head Of Department of Mathematics /Computer Science, Adekunle Ajasin University, Akungba- Akoko, NIGERIA 2003 – 2004
- External examiner for 2 PhD examinations in Mathematics at University of Ilorin, Ilorin, Nigeria 2018
- External examiner for M.Sc. Mathematics students at Federal University of Agriculture, Makurdi, Nigeria 2017
- Associate Editor, Journal of Nigerian Mathematical Society 2023 to date

### **HONORS/ GRANTS/ MEMBERSHIP OF LEARNED SOCIETIES**

- Fellow, Nigerian Mathematical Society
- Member, Nigerian Women in Mathematics
- Member, Third World Organisation of Women in Science
- Federal Government of Nigeria, Post graduate Scholar, 1988
- MacArthur Foundation Grant for Staff training and Research Capacity Building, University of Ibadan. Utilized as Guest Scientist, Institute of Mathematics, Technische Universitaat, Berlin, GERMANY. January-March 2010.
- Faculty for the Future Fellow, Schlumberger Foundation 2010/2011. - Utilized as Visiting Scientist, Department of Mathematics, Penn State University, U.S.A
- 2020 IMU-Simons Africa Fellowship Recipient - Utilized as Academic Visitor, Institute of Mathematics, University of Oxford, UK. May – June 2021
- Abraham Gannibal Project Grant (Part of EPSRC GCRF Grant for Capacity building in Africa via technology-driven research in algebraic and arithmetic geometry), January – March 2022. Utilized as Academic Visitor, Institute of Mathematics, University of Oxford.

- NANUM Together Travel grant to attend the 2014 International Congress of Mathematicians Seoul Korea (Unutilized because of Ebola crisis)
- Open Arms travel grant, utilized to participate in the 2018 International Congress of Mathematicians, Brazil
- Chebyshev grant to participate in the 2022 International Congress of Mathematicians Russia (Unutilized because of Russia/Ukraine Crisis)
- Fellow, African Scientific Institute
- Member, Advisory Board, African Women in Algebra
- Fellow, Nigerian Mathematical Society 2025

## RESEARCH INTERESTS

Algebraic Topology, Differential Geometry, Discrete Mathematics, Topological Data Analysis

## POSTGRADUATE SUPERVISION AND EXAMINATIONS

- PhD students in Mathematics supervised:  
Abolape Akwu (nee Akinola) (2014), Tayo Adefokun (2014), Taiwo Sangodapo (nee Ewuola) (2017), Patience Afinotan (2023), Ignatius Ngwongwo (2023)
- M.Phil student supervised:  
Mary Ofojetu (2023)
- M.Sc. students supervised:  
25 M.Sc. projects on topics in Algebraic topology, graph theory and their applications.
- Currently, supervising 1 M.Sc., and 3 Ph.D. students on topics in Algebraic topology, Geometry and applications.
- Chair, External/ Internal examiner for 15 Ph.D., 2 M.Phil., 3 M.Phil./Ph.D. conversion examinations in Mathematics, Physics, Education, Engineering, Statistics Departments
- External examiner for 2 PhD examinations in Mathematics at University of Ilorin, Ilorin
- External examiner for 5 M.Sc. Students at Federal University of Agriculture, Makurdi

## PUBLICATIONS

### I. Books and Editorship

1. **Ajayi, D. O. A.:** Exploration of Pure Mathematics: Convergence of the abstract, the Beautiful and the Useful. Inaugural Lecture. Ibadan University Press (2024). ii + 99pp. ISBN: 978-978-8550-31-0
2. **Ajayi, D. O. A.:** Topology. Distance Learning Centre, University of Ibadan, Ibadan. (2015) ix+197 pp.
3. Payne, V. F., **Ajayi, D. O. A.** and Adeyemo, H. P. (Editors): Perspectives and Developments in Mathematics, Proceedings of the Conference in Honour of Professor Samuel Akindiji Ilori, January 10 -11, 2015, Published by the National Mathematical Centre, Abuja and Department of Mathematics, University of Ibadan, Ibadan. (2015). xiv + 416pp. ISBN: 978-8141-26-9.
4. Ekhuagere, G. O. S., **Ajayi, D. O. A.** and Adeyemo, H. P. (Editors): Samuel Akindiji Ilori: Tributes and Reflections at Seventy. Department of Mathematics, University of Ibadan, Ibadan, (2015) xiii +132 pp. ISBN: 978-978-018-993-8
5. Ayoola, E. O., Payne, V. F., **Ajayi, D. O. A.** (Editors): Advances in Mathematics, Proceedings of A Memorial Conference in Honour of Late Professor C. O. A. Sowunmi, held at the University of Ibadan, Ibadan, 15 January, 2009. (2009). **(MR2867571 (2012i:34001))**

6. **Ajayi, D. O. A.:** Theory of Modules. Distance Learning Centre, University of Ibadan, Ibadan. (2006) ix+113pp. ISBN:978-021-265-5
7. Ilori, S. A., and **Ajayi, D. O. A.:** University Mathematics Series2 – Algebra. Y-Books, Ibadan (2000). vii+308pp. ISBN:978-34532-99-7
8. Ekhuagere, G. O. S., Ugbebor, O. O., **Ajayi, D. O. A.** (Editors): Directions in Mathematics, Proceedings of an International Conference in Honour of Professor H. O. Tejumola, FAS, July 10-11, 1997, University of Ibadan, Ibadan, Y-books, Ibadan (1999). ISBN:978-34532-6-2. **(MR 2000m:00048)**

## II. Journal Articles

9. Adetunji, A. P., Adeyemo, H. P., **Ajayi, D. O. A.**, Ilori, S. A.: Characterizing smoothness of type A Schubert varieties, through palindromic Poincare polynomial method Acta Universitatis Apulensis 77, (2024)25-38
10. Ogundipe, O. L. and **Ajayi, D. O.:** Groebner Bases for Real Flag Manifold  $F(1, 1, 1, m - 3)$ . Emmanuel Alayande University of Education Journal of Multidisciplinary Studies Vol 1 (1) (2024) 139 - 148
11. Adefokun, T. C., Ogundipe, O. L., **Ajayi, D. O. :** On the maximum induced matching numbers of stacked-book graphs. International Journal of Mathematical Sciences and Optimization: Theory and Applications, 10(4),(2024) 114-120.
12. Akwu, A. D. and **Ajayi, D. O. A.:** Totally antimagic total labeling of ladders, prisms and generalised Petersen graphs, Journal of Discrete Mathematical Sciences and Cryptography, 27:1, (2024) 31–44, DOI: 10.47974/JDMSC-1229
13. Adefokun, T. C. and **Ajayi, D. O. A.:** Bounds of the radio number of stacked-book graph with odd paths. International J. Math. Combin. Vol. 1 (2023), 87 -97.
14. Adefokun, T. C. and **Ajayi, D. O. A.:** On the bounds of the radio numbers of stacked-book graph. International J. Math. Combin. Vol. 4 (2022), 66-73
15. Sangodapo, T. O. and **Ajayi, D. O. A.:** Certain characterisations of intuitionistic affine fuzzy sets. Trans. of the Nigerian Association of Mathematical Physics Vol. 16, (2021) 115-122.
16. Akwu, A. D., Oyewumi, O. and **Ajayi, D. O. A.:** The outer-connected vertex edge domination number in Cartesian product graphs. Journal of Discrete Mathematical Sciences and Cryptography, 1-13, (2020) DOI: 10.1080/09720529.2020.1748272
17. Sangodapo, T. O. and **Ajayi, D. O. A.:** Tverberg's theorem on convex fuzzy sets. Journal of the Nigerian Association of Mathematical Physics. Vol. 51 (2019), 321-324
18. **Ajayi, D. O. A.** and Adefokun, T. C.: On bounds of radio number of certain product graphs. Journal of Nigerian Mathematical Society Vol. 37, Issue 2, (2018) 71 -76. **(MR3853843)**
19. Sangodapo, T. O. and **Ajayi, D. O. A.:** The theorems of Radon and Helly on convex fuzzy sets. Transactions of the Nigerian Association of Mathematical Physics Vol. 6 (2018), 382 - 389
20. Adefokun, T. C. and **Ajayi, D. O. A.:** On maximum induced matching numbers of special grids. Journal of Mathematics and Applications vol. 41 (2018), 5- 18. **(MR3895959)**
21. **Ajayi, D. O. A.** and Adefokun, T. C.: Some bounds on the maximum induced matching numbers of certain grids. Acta Universitatis Matthiae Belii, series Mathematics Vol. 25 (2017), 63–71. **(MR3730781)**
22. Sangodapo, T. O and **Ajayi, D. O. A.:** On affine and convex fuzzy sets using fuzzy points. Mayfeb Journal of Mathematics 3 (2017) 13-19.

23. Adefokun, T. C. and **Ajayi, D. O. A.**: L(1,1)-Labeling of direct product of cycles. *Discrete Mathematics. Algorithms and Applications* Vol. 8, No. 1 (2016) 1650003 (19 pages) **(MR 3464367)**
24. Akwu, A. D. and **Ajayi, D. O. A.**: Decomposing certain equipartite graphs into sunlet graphs of length 2p. *AKCE International Journal of Graphs and Combinatorics* Vol. 13, (2016) 267 -271. **(MR3616611)**
25. **Ajayi, D. O. A.** and Adefokun, T. C.: L(1,1)-Labelling of direct product of any path and cycle. *Proyecciones Journal of Mathematics* Vol. 33, No. 4, (2014) 369-388. **(MR3304247).**
26. **Ajayi, D. O. A.**: On span of flag manifolds  $RF(1, 1, 1, n - 3)$ . *Journal of Nigerian Mathematical Society* Vol. 33 (2014) 169 -174. **(MR3235877).**
27. **Ajayi, D. O. A.** and Adefokun, T. C.: Sufficient conditions for Hamiltonianity of certain special graphs. *Acta Universitatis Apulensis* Vol. 39, (2014) 301-304. **(MR330442).**
28. Akwu, D. A. and **Ajayi, D. O. A.**: Symmetric Hamilton cycle decomposition of complete graphs plus a 1-factor. *International Journal of Mathematical Combinatorics*. Vol. 3, (2013) 91-95.
29. **Ajayi, D. O. A.** and Banyaga, A.: An explicit retraction of symplectic flag manifolds onto complex flag manifolds. *Journal of Geometry* 104, (2013) 1-9, DOI 10.1007/s00022-013-0148-4. **(MR3047445)**
30. Akwu, A. D. and **Ajayi, D. O. A.**: Sunlet decomposition of certain equipartite graphs. *International Journal of Combinatorics*. Vol. 2013, Article ID 907249, 4 pages. <http://dx.doi.org/10.1155/2013/907249>. **(MR3033530)**
31. Adefokun, T. C. and **Ajayi, D. O. A.**: On equitable coloring of weak product of odd cycles. *International Journal of Mathematical Combinatorics* Vol. (2013) 1, 109-113.
32. Akwu, A. D. and **Ajayi, D. O. A.**: On product cordial labeling of graphs. *International Journal of Combinatorial Graph Theory and Applications* Vol. 6 (2) (2013) 85-97.
33. **Ajayi, D. O. A.**: Nonimmersion results for the real flag manifolds  $RF(1, 1, 1, n-3)$ . *Kragujevac Journal of Mathematics* 34, (2010) 31-38. **(MR 2897893)**
34. Ilori, S. A. and **Ajayi, D. O.**: Vector fields on the real flag manifolds  $RF(1,1, n-2)$ . *Math.Slovaca* Vol. 58 (1) (2008): 127-129. **(MR 2372831(2008j:57046))**
35. **Ajayi, D. O.** and Ilori, S. A.: Stiefel-Whitney classes of the flag manifold  $RF(1,1,n-2)$ . *Czechoslovak Mathematical Journal*, Vol. 52 (127) (2002) 17-21. **(MR18885453 (2002k:57068) )**
36. **Ajayi, D. O. A.**: Stiefel-Whitney characteristic classes of the real flag manifolds  $F_3(n)$ . *Journal of the Nigerian Mathematical Society* Vol. 20 (2001) 59-64. **(MR2055199 (2005a:57025))**
37. **Ajayi, D. O. A.**: Span of  $F(1,1,n-2)$ . *Journal of Science Research* Vol. 6(2), (2000) 83-85.
38. Ilori, S. A. and **Ajayi, D. O.**: The height of the first Stiefel-Whitney class of the real flag manifold. *Indian Journal of Pure and Applied Mathematics* Vol. 31(6) (2000) 621-624 **(MR 1780312 (2001h:57030))**
39. **Ajayi, D. O.** and Ilori, S. A.: Non-embedding of the real flag manifolds  $RF(1,1,n-2)$ . *Journal of Australian Mathematical Society (Series A)* Vol. 66, (1999) 51-55 **(MR 1685695 (99k:57061))**

### III. Refereed Conference Proceedings

40. **Ajayi, D. O. A.** and Adeyemo, H. P. : A review of recent (1990 to date) research trends of Professor Samuel Akindiji Ilori. *Perspectives and Developments in Mathematics, Proceedings of Conference in Honour of Professor S. A. Ilori*, (2015), 21-28
41. **Ajayi, D. O. A.** and Akwu, A. D.: Complete bipartite graphs are totally antimagic. *Perspectives and Developments in Mathematics, Proceedings of Conference in Honour of Professor S. A. Ilori*, (2015) 93-100.
42. Sangodapo, T. O. and **Ajayi, D. O. A.**: On the topological colored Tverberg theorem and colored winding number conjecture on the plane. *Imhotep Mathematical Proceedings Vol. 2 (1) (2015)*71-75. **(MR3486850)**
43. **Ajayi, D. O. A.**: The vector field problem for the flag manifold  $RF(1,1,n-2)$ . *Proceedings of International Conference on New Trends in the Mathematical and Computer Science with Applications to the real World Problems NTMCS (2006)*, 587-594.
44. **Ajayi, D. O.**: Immersions and embeddings of the real flag manifold  $RF(1, 1, 1, n-3)$ . *Appreciating the Future in Mathematics, Proceedings of International Conference in Honour of Professor E. A. Akinrelere (2006)* 18-21.
45. **Ajayi, D. O.**: Stiefel-Whitney classes of certain incomplete real flag manifolds. *Directions in Mathematics, Proceeding of International Conference in Honour of Prof. H. O. Tejumola (1999)* 255-262 **(MR 1754558)**.

#### IV. Preprints:

46. Adefokun, T. A. , Ogundipe, O. L., Onaiwu, K. N., **Ajayi, D. O.**: Hamiltonian Complete Number of Some Variants of Caterpillar Graphs. arXiv:2209.04204 [math.CO]
47. Adefokun, T. A., Ogundipe, O. L., **Ajayi, D. O.**: On the maximum induced matching number of a stacked-book graph. arXiv:2209.10855 [math.CO] (2022)
48. Barbensi, A., Yoon, H. R., Madsen, C.D., **Ajayi, D. O.**, Stumpf, M. P. H., Harrington, H. A.: Hypergraphs for multiscale cycles in structured data. arXiv:2210.07545v1 [math.AT] 2022
49. Adefokun, T. and **Ajayi, D. O.**: On Radio number of stacked-book graphs. arXiv:1901.00355 [math.CO] (2019)
50. **Ajayi, D. O. A.** and Adefokun, T. C.: Some bounds on the maximum induced matching numbers of certain grids. ArXiv:1603.06967 (2016)
51. Akwu, A. D. and **Ajayi, D. O. A.**: On totally antimagic total labeling of complete bipartite graphs. ArXiv: 1601.02112 (2016)
52. Adefokun, T. C. and **Ajayi, D. O.**: On maximum induced matching numbers of special grids. arXiv: 1611.02042v1 [math.CO] (2016)
53. Akwu, A. D. and **Ajayi, D. O. A.**: Totally antimagic total labelling of ladders, prisms and generalized Petersen graphs. ArXiv: 1609.04299 (2016)
54. **Ajayi, D. O. A.**: Non immersion results for the real flag manifolds  $RF(1,1,1, n-3)$ . ICTP Preprint IC/2006/111.

#### V. Research Projects/Thesis

55. **Suberu, D. O.** (1990). "Musielak –Orlicz Spaces" M.Sc. (Functional Analysis) Dissertation. Supervisor: Dr. V. A. Babalola
56. **Suberu, D. O.** (1996). "Stiefel-Whitney Classes and the span of some real flag manifolds" Ph.D. Thesis. Supervisor: Prof. S. A. Ilori

## **CONFERENCE/SEMINAR PARTICIPATION (SELECTED)**

- The Annual Conferences of the Nigerian Mathematical Society **NIGERIA** (Between 1989 and 2025)
- International Symposium of Mathematics Education of Women in Africa (University of Benin, Benin **NIGERIA** (December, 1990))
- African Mathematical Union (A.M.U.) Symposium on current research trends in Mathematics, Computer Science and Mathematical Physics (Porto-Novo, **REPUBLIC OF BENIN** (January, 1993)).
- A.M.U. Symposium on Current Research Trends in Mathematics, Computer Science and Mathematical Physics (University of Ibadan, Ibadan, **NIGERIA** (January, 1994)).
- Conference on Partial Differential Equations and Applications to Geometry (International Center for Theoretical Physics, (ICTP) **ITALY** (August, 1995))
- The 4<sup>th</sup> Pan-African Congress of Mathematicians, (Alkhawayn University in Ifrane (A.U.I.) **MOROCCO** (September, 1995))
- Advanced School and Conference on Non-commutative Geometry (ICTP, **ITALY** (August, 2004)).
- Groupe Inter africain de Recherche en Analyse, Geometrie et Applications (GIRAGA) X, (Abomey-Calavi), **REPUBLIC OF BENIN** (01-10 December 2004)).
- Summer School and Conference on Geometry and Topology of 3-manifolds (ICTP, **ITALY** (6-24 June 2005)).
- AMMSI-GeoNet4, School-Workshop on Representations Theory in Geometry and Physics, (Porto-Novo, **REPUBLIC OF BENIN** (01-17 August 2005)).
- Conference and School on Modeling Elastic Manifolds: from Soft Condensed Matter to Biomolecules (ICTP, **ITALY** (24- 29 July, 2006)).
- International Conference on New Trends in the Mathematical and Computer Science with Applications to the Real World Problems NTMCS, (Covenant University, Ota **NIGERIA** (19-23 June, 2006)).
- Workshop on use of Radio in Delivering Distance Learning Centre Lectures, Distance Learning Centre, University of Ibadan, Ibadan, **NIGERIA** 23 – 24 September, 2009
- Voices 2011- The PSU Graduate Women in Science (GWIS) Conference, Nittany Lion Inn, State College, PSU, PA, **U. S. A.** February, 2011.
- Conference in Honour of Professor Samuel Akindiji Ilori, January 10 -11, 2015, Ibadan
- Geometric and Topological Method in Computer Science (GETCO) Aalborg University, **DENMARK**. April, 2015
- 2016 African Women in Mathematics/ West African Forum (AWMA 2016), **SENEGAL**. July, 2016
- National Workshop on Pedagogy of Higher Education, Center for Excellence in Teaching and Learning, University of Ibadan, Ibadan, **NIGERIA** August 2016
- Schlumberger Foundation Faculty for the Future Fellows and Alumnae Regional Forum, Cape Town, **SOUTH AFRICA**. August 2016.
- SI-PASS Supervisor Training Course, 26 -28 March, 2018, Organised by European SI-PASS centre, Lund University, Sweden at London School of Business and Management, London, **ENGLAND**

- Summer School and Conference on Global Differential Geometry, 14 – 25 May, 2018 AIMS, Mbour, **SENEGAL**
- International Congress of Mathematicians 2018 Rio De Janeiro, August 1-9, 2018, **BRAZIL**
- Sage Days 2019, July 15 – 20, 2019, University of Ibadan, Ibadan, **NIGERIA**.
- The Abram Gannibal Project Workshop, 27 February – 3 March, 2022, Chicheley hall, near Milton Keynes, **ENGLAND**
- Women in SageMath, University of Ibadan, Ibadan, **NIGERIA** 12-16 September, 2022
- **Invited speaker** at Female in STEM workshop, University of Education, Winneba, **GHANA**, September, 2022
- Algebra, Topology and Applications Workshop, University of Ibadan, **NIGERIA**, July 2023
- Inaugural African Women in Algebra Workshop, Kabale University, Uganda, July, 2024