#  CURRICULUM VITAE

**1.** **Name:** Adele Dzikwi Garkida

**2. P. No:** 14,825

**3. Department:**  Industrial Design

**4. Date and Place of Birth:** February 16, 1968, Garkida

**5. State of Origin:**  Adamawa

**6. LGA:**  Gombi

**7. Nationality:**  Nigeria

**8. Marital Status:** Single

**9. Gender:** Female

**10. Internal Languages Spoken:** Hausa

**11. Current Contact Address:**  Department of Industrial Design,

 Ahmadu Bello University, Zaria.

 adelezik@yahoo.com

**12. Permanent Home Address:** No 1 Jauro Buba St. Garkida North, Garkida

**13. Date of First Appointment with University:** June 26, 1992

**14. Date of Last Promotion:** October 1 2007 (Senior Lecturer)

**15. Date of Confirmation:**  October 1, 2004

**16. Present Rank and Salary:**  Senior Lecturer, UASS 05/08

**17. Telephone number (GSM):** 08034522439

**18. Qualifications, Educational Institutions from where obtained and Dates:**

BSc. Industrial Design (Glass Technology), Ahmadu Bello University Zaria 1989

M.A. industrial Design (Ceramics), Ahmadu Bello University Zaria 1998

PhD Industrial Design (Glass Technology), Ahmadu Bello University, Zaria August 2007

**19. Additional Education/Qualification with address and dates:**

i. Nogh Nogh Art Group Experimental Drawing Workshop Titled CHIAROSURO, Zaria,

 Nigeria August 3 – 4, 1996

ii. Science of the sea – Plankton, Catalyst women art Science England March 9- 10 1998

iii. Felt Making, Ceramic and Glass Painting Workshop for young women, Portsmouth

 City Arts Council, Hampshire, England, March 14 1998.

iv Aesthetic of reduced forms: a print Making Workshop, September 11- 23 1998

 Ahmadu Bello University, Zaria

v. Aftershave International Artist’s Workshop, Jos, Nigeria Oct. 23- Nov. 6, 1999

vi Understanding of art and Science workhop, Kinesis women art science, Kaduna,

 Nigeria, December 1- 7 1999

vii Scientific Glass Blowing Training, Petroleum Training Institute, Effurun, Nigeria

 October 2 – November 10 2000

viii Training Workshop on proposal Writing, paper presentation and paper Publication By

 NAWACS ABU Zaria February 24- 25 2000

ix. IT Skills and Internet Training for Women’s Organization in Northern Nigeria;

 ABANTU for Development/ British Council September 4- 8 2000,

x. Aftershave International Artists Workshop ‘ Maraba Worshop’ Kaduna June 6 – 14

 2003.

xi Web Design Training Workshop: Aftershave International Artist Workshop Zaria

 February 2003

**20. Working Experience with Date:**

i National Youth Service at loffi Ogunmude College Ejinrin- Epe, Nigeria 1989/1990

ii Academic staff, Department of Industrial Design, Ahmadu Bello University Zaria 1992

 to date

**21. Teaching Experiences with Dates:**

 **(a) Undergraduate Courses Taught/Examined:**

 1992/93 History of glass, Introduction of Glass Making Raw materials

1993/94 History of Glass, Theory of Studio Glass Making. Introduction to Studio Glasss Making, Surface enrichment techniques, Principles of overlay glass, Glass Lamination, copper- foil joining techniques, free blowing, glass casting and flame working, History of European and American Design

1994/95 and 1995/96: These sessions were cancelled

1996/97 History of glass, theory of Studio glass Making, Introduction to studio glass making, Surface enrichment techniques, Principles of overlay glass, Glass Lamination, copper- foil joining techniques, free blowing, glass casting and flame working, Principles of Table were design, Mosaic in studio glass making, Exhibition

1997/98 introduction to Studio Glass making, Surface enrichment techniques, principles of overlay glass, Glass lamination, copper- foil joining techniques, free Blowing, glass casting and flame working, Principles of table were design, and Mosaic in studio glass making.

1998/99 Introduction to studio Glass making, Introduction to ceramic and Glass Texture Surface Design and Mosaic, Introduction to properties and Applications of Glasses, Strength of Glass and Glass ware, Optical and Electrical properties, Introduction to free Blowing, Free Blowing, Exhibition

1999/2000 Introduction to studio Glass making, Introduction to Ceramic and Glass, Texture Surface deign and Mosaic, Introduction to properties and Applications of Glasses, Free Blowing, Exhibition.

2000/01 Introduction to studio Glass making, Introduction to Ceramic and Glass, Texture Surface design and Mosaic, Introduction to properties and Applications of Glasses, Free Blowing, Exhibition.

2001/02 Introduction to studio Glass making, Introduction to Ceramic and Glass, Texture Surface deign and Mosaic, Introduction to properties and Applications of Glasses, Free Blowing, Properties and Applications of Glasses.

2002/03 Introduction to studio Glass making, Introduction to Ceramic and Glass, Texture Surface deign and Mosaic, Introduction to properties and Applications of Glasses, Free Blowing, Strength of Glass and Glassware, Exhibition, Creative Glass Blowing and Scientific Glass Blowing.

2004/05 Introduction to studio Glass making, Introduction to Ceramic and Glass, Texture Surface deign and Mosaic, Introduction to properties and Applications of Glasses, Free Blowing, Properties and Application of Glasses, Exhibition

 2005/06 Theory of studio Glass making, Introduction to Ceramic and Glass, Texture

 Surface Design, Mosaic in Studio Glass making, Principles of overlay Glass, Laminated

 Glass techniques, History of Glass.

2006/07 Theory of studio Glass making, Introduction to Ceramic and Glass, Texture Surface Design, Mosaic in Studio Glass making, Principles of overlay Glass, Laminated, Glass techniques, History of Glass.

2007/08 Theory of studio Glass making, Introduction to Ceramic and Glass, Texture Surface Design, Mosaic in Studio Glass making, Principles of overlay Glass, Laminated, Glass techniques, History of Glass.

2008/09 Theory of studio Glass making, Introduction to Ceramic and Glass, Texture Surface Design, Mosaic in studio Glass making, Principles of Overlay Glass, Laminated, Glass Techniques, History of Glass

2009/10 Theory of studio Glass making, Introduction to Ceramic and Glass, Texture Surface Design, Mosaic in studio Glass making, Principles of Overlay Glass, Laminated, Glass Techniques, History of Glass

2010/2011 Texture Surface Design, Mosaic in studio Glass making, Principles of Overlay Glass, Laminated, Glass Techniques, History of Glass.

2011/2012 Texture Surface Design, Mosaic in studio Glass making, Principles of Overlay Glass, Laminated, Glass Techniques, History of Glass.

2012/2013 Chemistry of Silicates, Research Methods, Analytical Methods and Sintering Technology

2013/2014 Chemistry of Silicates, Research Methods, Analytical Methods and Sintering Technology

**(b) Postgraduate Courses Taught/ Examined:**

 2002/2003: Principles and Issues in Glass and Advanced Studio Practice (finishing)

 2004/2005: Principles and Issues in Glass and Advanced Studio Practice (finishing)

2005/2006: Principles and Issues in Glass and Advanced Studio Practice (finishing)

2006/2007: Principles and Issues in Glass and Advanced Studio Practice (finishing)

2007/2008: Principles and Issues in Glass and Advanced Studio Practice (finishing)

2008/2009: Principles and Issues in Glass and Advanced Studio Practice (finishing)

 2009/2010 Principles and Issues in Glass, Advanced Studio Practice (finishing),

 and Designer and Client Relations.

 2010/2011 Research Techniques, Research Design and Methodology, Principles and Issues in Glass, Advanced Studio Practice (finishing),

 2011/2012 Research Techniques, Research Design and Methodology, Sintering and Glass Melting, Experimental Techniques

 2012/2013 Research Techniques, Research Design and Methodology, Sintering and Glass Melting, Experimental Techniques and Glass Ceramics

 2013/2014 Research Techniques, Research Design and Methodology, Sintering and Glass Melting, Experimental Techniques and Glass Ceramics

**c) Post Graduate Supervision:**

**PhD Industrial Design Supervision**

**Completed**

* Alkali Vershima: Exploration of the Potentials of Granite Sawing Waste in Developing Ceramic Bodies-
* Mamza Jidai Alewai: Development of Glazes Using Local Materials from North Eastern Nigeria for Teaching and learning in Tertiary Institutions
* Gonah Clement Musa: Optimization of Glass Condensers
* Alemaka E.M: Design Modification and Construction of Glass Bead Making Furnace
* Opoku Eric Vernon: Utilization of Rice Husk Ash for the Production of Ceramic Wall Tiles

**Ongoing**

* Isa Hauwa: Development of Glass Ceramics Using Kaolin Processing Waste, Sodalime and Borosilicate Glass Wastes.
* Aliyu Zainab Shehu: Development of Glas-Ceramics By Bulk Crystallization Process.
* Tagwoi Jummai: Utilization of Bagasse Ash and Mixed Glass Waste in the Development of Glass Ceramics.
* Yakubu Abdullahi: Development of Corundum-Mullite- Zircon Refractory Bricks from Local Sources for Glass Melting Tanks.
* Akpale Jethro Enoch: Utilization of Feldspar from Okene and Iron Scraps a sFluxing Agents in Stoneware Glazes.
* Aderiye Jide: Waste Flint Glass and Kaolin Matrix Composite as Engineering

Component in Ball Mill Device

**MSc Glass Technology Supervision/MA Industrial Design Supervision**

**Completed**

* Jekada Julius Z: Effects of Physico-Chemical Changes on Coloured Glass.

- Taibat Oladimeji: Design and Fabrication of an Electro-Manual Throwing Wheel

* Okewu Ebute Jonathan The Possibilities of Incorporating Iron Fillings into Existing Stone ware Body for the Production of Decorative Ceramics

**MSc Glass Technology Supervision**

**Ongoing**

* Makeri Godwin Peter: Design and Development of a Gravity Feed Sand Blaster..
* Samuel Ade Gideon: Sol- Gel Synthesis for Glass Ceramics from Rice Husk Ash
* Jibril Abdulmumini: An Evaluation into the Use of Saw Dust Ash as Glass Making Raw Material.
* Acheme Peter Analegwu: Development of a Small Scale Biomass Firing Galss Fusing Kiln
* Bernard Godwin Yakubu: Modification of Soda Lime Glass for High Temperature Application.
* Madugu Christopher Haruna: Production of Insulating Refractory Bricks from Acha –Husk and Kaolin for North Central Nigeria.
* Ayuba Kazashim Seth: Determination of the Suitability of Groundnut Husk as a Fluxing Agent in Glass Making
* Dan’Azumi Idris Abubakar: Glass Fibre Re-enforced Plastic as a Substitute for PVC in Wire Coating
* Adejo Andrew Ojonugwa:Utilization of Glass Cullet for the Production of Coatings for Buildings.
* Sahabi Sani: Characterization of Clay from Mararaba-Rido for its Refractory Properties and Determination of its Suitability as A refractory Material.
* Aminu Ibrahim Gurin: Investigation into the Possible Use of Soba Sand for the Production of Water White Glass.
* Abdullateef Halimat Ibrahim: Life Cycle Assessment of Container Glasses in Mininmizing our Environmental Impacts.
* Abimiku Julius A: Utilization of Coal Fly Ash and Crushes Waste Glass in Development Green Concrete in Nigeria

**22. Research/Extension Experience with Dates:**

i. Analysis of Ijero Feldspar 1989

ii. Laminating Glass 1995

iii. Development of contact refractories for melting glass 1996

iv. Glass casting 1997

v. Interaction of Art and Science 1996 to date

vi. Glass Slumping 1998

vii. Recycling Waste Glass 2001-date

viii. Investigating the Safety of Ceramics in the Markets to Human Health — on going

ix. Exploration of Trona as raw material for producing water glass- on going

**23. Routine Administrative Duties:**

i. Departmental Book Officer to Kashim Ibrahim Library 1996-2000

ii. Member, Department of Industrial Design Examination Committee 1996-1998

iii. Departmental Assistant Examination Officer 1998 - 2001

iv. Member, Editorial Board of Environ (Faculty of Environmental Design Journal)

 1997- 1999

v. Departmental SIWES Coordinator 1999 to August 2005

vi. Member, Faculty committee on Examination Irregularities 2000 — 2002

vii. Member, Faculty committee on Sexual Harassment 2000 — 2002

viii. Member, Faculty of Environmental Design Staff lounge Committee, 1997 — 1999

ix. Secretary, Faculty of Environmental Design Electoral Committee, 1995.

x. Head of Glass Section September 2003 to August 2005

xi. Departmental Seminar Coordinator May 2004 to date

xii. Chairman Examinations and Regularities and Irregularities Committee 2006- 2010

xiii. Member Institute of Development Research Committee on the Environment and

 Livelihoods Network 2007- 2011

xiv. Departmental Post Graduate Studies Coordinator September 2008 - 2012

xv. Faculty of Environmental Design Postgraduate Seminar Coordinator March 2010 –

 2011

xvi. Editorial Assistant of Design Review (Department of Industrial Design Journal) March

 2010 - date

xvii. Project Coordinator for Undergraduate Students of Glass Technology 2007 – 2011

xviii. Acting Head of Glass Section 2013- 2014

xix. Head of Glass Section November 2014-Date

**24. Positions held with dates:**

i. Departmental Assistant Examination Officer 1998 —2001

ii. Departmental SIWES Coordinator 1999 to August 2005

iii. Head of Glass Section September 2003 to August 2005

iv Departmental Seminar Coordinator May 2004 to date

v. Chairman Examinations and Regularities and Irregularities Committee 2006- 2011

vi. Departmental Post Graduate Studies Coordinator September 2008 to 2012

 vii. Faculty Post Graduate Seminar Coordinator from March 2010 - 2011

viii. Acting Head of Glass Section 2013- 2014

ix. Head of Glass Section November 2014-Date

**25. Professional Service/Honour Societies**

1. The Minerals, Metals and Materials Society, United States, member.
2. Nigerian Society of Glass Technology, Financial Secretary
3. Catalyst Women Art and Science England, member.
4. Craft Potters Association of Nigeria (CPAN) Internal Auditor 1997- 1999
5. Kinesis Women Art & Science Nigeria, Coordinator
6. Aftershave International Artists Workshop, Coordinator
7. National Association of Women Academics, member.
8. The Eye Society, member.
9. The Materials Society of Nigeria, member

**26. Community Services:**

**(a) Nation/ State**

i. Member, Women in Nigeria, Kaduna State Branch, Financial Secretary 1995- 1997,

 Public Relations Secretary 1997 – 1999.

ii. Member, Coalition of Nigerian NGOs on Health Population and Development, Secretary 1996—1998

iii. Judge on Art at the Zonal Talent Hunt Competition among Primary School Girls organized by Kaduna Zonal Task Force for Education of the Girl Child /U1’4ICEF Arewa House Kaduna October 10, 1996

**(b) University/Institute/Centre/Faculty/Department.**

i. Member Ahmadu Bello University Senior Staff Club, Treasurer 1996— 1997, House Secretary 1999 -2000, Entertainment secretary 2004- 2005, House Secretary 2009 - 2010

ii. Member, Academic Staff Union of Universities, Acting Treasurer 1997, Welfare Officer, 2006 to date

iii. Matron, Better-life for Nigerian Youths of Nigerian Universities

iv. President ABU Senior Staff Club April 2014- March 2015

 **(c) Others: none**

**27. International Conferences attended/organized with dates:**

i. 3rd International Conference organized by National Association of Women Academics, Theme Enhancing Women’s Productivity in this Decade September 2- 7 2002, Ahmadu Bello University Zaria.

ii. E.W Deeg Memorial International Conference April 27-30 2005, Zaria, Nigeria

iii. The Minerals, Metals and Materials Society(TMS) 139th Annual Conference and Exhibition, New Orleans, United States, March 9- 13, 2008

iv. The Minerals, Metals and Materials Society (TMS) l4l Annual Conference and Exhibition, Seattle, United States, February 14-18, 2010

v. The Material Science & Technology (MS&T) Conference organized by four leading materials societies The Minerals, Metals and Materials Society (TMS), The American Ceramic Society (ACERS), Association for Iron and Steel Technology (AIST) and The Materials Information Society (ASM) held at Greater Columbus Convention Center, Columbus, Ohio, United States from October 16 -20, 2011

vi. 2nd International Conference and Exhibition on Materials Science and Engineering Organized

 by OMICS Group held at Hampton Inn Tropicana Las Vegas USA, October 7-9 2013

**28. Local Conferences attended/organized with dates:**

1. Jimo Akolo at 60 Retrospective Conference, organized by The Eye Society in Collaboration with the Depart of Fine Arts Ahmadu Bello University Zaria, Held at ABU Zaria November 1- 4 1995 Held at ABU Zaria November 1-4 1995.
2. Nigerian Society for Education through Art (NSEA) Conference Zaria February 25-28 1998.
3. Art in Nigeria at the end of the century: A National Symposium on Nigerian Art organized by The National Gallery of Art, Zaria, November 9- 11 1998.
4. KINESIS 1 — Synthesis organized by Kinesis women art and science, Kaduna December 1-7 1999.
5. Art Education in Nigeria: Present and Future Agenda organized by Nigerian Society for Education through Art Kaduna State Chapter, Zaria, April 9-13 2002.
6. Ceramics in National Development organized by Ceramic Association of Nigeria, Zaria, September 17- 22 2002.
7. The Dynamics of Ceramics in a Technological Age organized by Ceramic Association of Nigeria, Zaria, November 26 - 29 2003.
8. Environment and Health Society of Nigeria Conference, Zaria December 3 — 6 2003.
9. The Pan — African Circle of Artists Convention! Conference, Zaria November 13 - 15, 2003.
10. EW Deeg Memorial International Con1ircncc April 27-30 2005, Zaria, Nigeria.
11. Ceramics and Society Conference organized by Ceramics Association of Nigeria (CerAN) October 10-13, 2006, Akure Nigeria.
12. Ceramics and Sustainable Development in Nigeria organized by Ceramics Association of Nigeria (CerAN) October 9-12, 2007Abraka, Nigeria.
13. Trends and Challenges in Ceramics Development in the Twenty First Century organized by Ceramics Association of Nigeria (CerAN) Jos, Nigeria October 8- 11, 2008.
14. 3 Decades of Industrial Design Education and Practice in Nigeria organized by Department of Industrial Design, Ahmadu Bello University, Zaria Aug. 3-6, 2010
15. 10th Annual Conference Of The Ceramic Association Of Nigeria (CerAN).

 Department Of Fine And Industrial Arts University Of Uyo November 12TH – 16TH, 2012.

1. 11th Annual Conference of The Ceramic Association Of Nigeria (CeRAN). Department of Industrial Design FUT Akure August 31st – September 4TH, 2014

**29. Publications/Articles**

**(a) i. in peer reviewed journals and books:**

1. **Garkida A.D**, Ahuwan A.M, Gonah C.M (2001): Kankara Kaolin for the Glass Industry, International Journal of Science Laboratory Technology JOSCILT, Department of Industrial Design, Ahmadu Bello University Zaria. Vol. 1, No. 1, pp 59-62, September.
2. **Garkida A.D** (2002): Developing Studio Glass Making in Nigeria: Zane Journal of Art Education, Nigerian Society for Education through Art, Kaduna State Chapter in collaboration with Department of Fine Arts, ABU Zaria, Vol. 1 no 2, pp 13-16, June.
3. **Garkida A.D** (2002): Enhancing the Quality of the Environment using Powder Technology in Stained Glass Design, International Journal of Science Laboratory JOSCILT, Department of Industrial Design, Ahmadu Bello University Zaria Technology, Vol. 1, No 2, pp 44 — 46, September.
4. **Garkida A.D** (2003): Ijero feldspar: A Good Source of Potassium Alumino — Silicate for the Glass and Ceramic Industries, Ashakwu Journal of Ceramics, Ceramics Association of Nigeria, Vol. 1, no. 1, pp 73—75, June.
5. **Adele D. Garkida** (2003): Glass Slumping: Towards Enhancing Female Glass Makers’ Productivity in this Decade, NAWACS Journal of Research and Human Development, National Association of Women Academics, ABU Chapter, Vol. 2, no. 1, pp 6-8.
6. **Garkida A.D, et al** (2004): Recycling Waste Window Glasses in Ceramic Glazes as an Alternative to Feldspar, Ashakwu Journal of Ceramics, Ceramics Association of Nigeria, Vol. 1, no. 2, pp 39—42, June.
7. **A.D Garkida, et al** (2004): Characterization of Kankara Clay Refractories, Environ Journal of Environmental Studies, Faculty of Environmental Design, ABU Zaria, Vol. 2, no. 2, pp 23-27, June.
8. A.B. Fwatmwol and **A.D. Garkida** (2005): Fundamentals of Primary Glass Manufacture; International Journal of Science Laboratory Technology JOSCILT, Department of Industrial Design, Ahmadu Bello University, Zaria, Special Edition, Zaria, pp 18-24. May.
9. Jiann-Yang Hwang, **Adele Garkida**, et al (2006): Waste Colored Glasses as Sintering Aid in Ceramic Tile Production, Journal of Minerals & Materials Characterization & Engineering, Institute of Materials Processing, Michigan Technological University, Houghton United States, Vol. 5, no. 2, pp 119-129
10. V. Alkali, A.D. **Garkida and A.M.** Ahuwan (2006): Utilizing Granite Sawing Waste in Ceramic Composite Bodies. International Journal of Science Laboratory Technology JOSCILT, Department of Industrial Design, Ahmadu Bello University, Zaria, Vol. 6, pp 55 -58, September.
11. **Garkida A.D**., Hwang J.Y., Huang X., Hem A., and Li B. (2010): Evaluating the Compressive Strength and Microstructure of Recycled Glass Compacts, Ashakwu Journal of Ceramics Vol. 7, pp 9-14, June.
12. Opoku E. V. & **Garkida A.D** (2012): Utilization of Rice Husk Ash for the Production of Glazes. Ashakwu Journal of Ceramics Vol 9 pp 64-69. June
13. **Adele Dzikwi Garkida**, Jiann-Yang  Hwang, Xiaodi Huang, Allison Hein (2012):

Effect of Particle Size And Temperature on the Sintering Behaviour of Glass

Compacts. Processing and Properties of Advanced Ceramics and Composites IV.

Ceramics Transactions Volume 234, pp 3-9 October

1. Opoku E.V and **Garkida A.D** (2012): Utilization of Waste Rice Husk as an Alternative to Source of Silica in Glaze and Glass Making. Environ; Journal of Environmental Studies. Fac. of Environmental Design, ABU Zaria pp 9-18
2. Z.S Aliyu, **A.D Garkida,** E.A Ali and M Dauda (2013): Characterization of Kalambaina (Sokoto State) Limestone Deposit for Glass Making. Nigerian Journal of Engineering. Volume 19 No. 2 pp 44-50
3. Okewu J.E, Zauro T.D.M and **Garkida A.D** (2013): The Effects of Waste Iron Filings on the Shrinkage Behaiour of Stoneware Clay Body. Environ; Journal of Environmental Studies. Vol 3 Nos 5&6 Fac. of Environmental Design, ABU Zaria pp 90-96. November
4. **In official conference proceedings:**
5. Jiann-Yang Hwang, Xiaodi Huang, **Adele Garkida**, Shangzhao Shi, and Bowen Li (2007): Utilization of Waste Glass in Alumina-Glass Composite. Extraction and Processing Division (‘EPD), The Minerals, Metals and Materials Society (TMS), United States, pp 121 - 126.
6. **Adele Garkida,** Jiann-Yang Hwang, Xiaodi Huang, Charles A. Okuofu, Abashiya M. Ahuwan, Bowen Li (2008): The Shrinkage Behaviour of Recycled Glass Compacts, Extraction and Processing Division (‘EPD), The Minerals, Metals and Materials Society (TMS), Warrendale, Pennsylvania, United States, pp 579-584.
7. **Adele Garkida** (2008): Improving Environmental Sustainability by Recycling Glass, Nigeria and the Millennium Development Goals, Fulbright Association of Nigeria, Lagos, Nigeria, pp 79-87, June.
8. **Adele Garkida**, Jiann-Yang Hwang, Xioadi Huang and Allison M Hein (2010): Glass Coating for Iron Based Powder Metallurgy Components; Supplemantal Proceedings Volume 1: Materials Processing and Properties. The Minerals, Metals and Materials Society (TMS) United States pp 441 – 447.

**(b) Books/Monographs/Guides! Manuals /Novels:**

**i. Garkida A. (2004):** Dilemma of the Female Artists in Nigeria in Nigeria. In Dike P.C & Oyeolola P (Eds.), Women in Visual Art; History Aesthetics and Interpretation. (Orig. Ed., pp 194-196). Nigeria. National Gallery of Art.

1. **Garkida A. (2007):** Glass Design and Recycling. In Adewunmi A. (Ed.), Teach Yourself Creative Art and Design. (Orig. Ed., pp 66-68). Enugu. Art is Everywhere Workshop). November.

**(c) Papers presented at conferences and seminars:**

1. **Garkida, A.D** (1995): Laminating and Decorating Glass, presented at the Jimo Akolo at 60 Retrospective Conference, Institute of Education Conference Room, ABU Zaria, November 1-4.

1. **Garkida, A.D** (1996): Interior Design / Decoration as a profitable career for women; A career talk delivered at Federal Govt. Girls College Bakori July 22.
2. Gonah C.M, **Garkida A.D**, et al (1997): Glass Casting, presented at the 15th Annual National Conference of the Nigeria Institute of Science Technology (NIST) held at Arewa House Kaduna from 7th – 10th October 1997
3. **Garkida, A.D**, Ali R.P (1999): Understanding the Interaction of Art and Science in Metamorphosis and Harmony, presented at the Kinesis 1Exhibition! Conference, The British Council Hall Kaduna, December 1-7.
4. **Garkida, A.D** (2000): Women Art and Technology; Vision 2010, presented at 2 International Conference of the National Association of Women Academics, NUC Conference Hall, Abuja, September 5-10.
5. **Garkida, A.D** (2002): Developing Studio Glass Making in Nigeria, presented at the Nigerian Society for Education through Art (Kaduna Chapter) Conference, Zaria April 9-13.
6. **Garkida A.D**, et al (2003): Reduction of Lead and Mercury in the Environment presented at the Environment and Health Society of Nigeria Conference, Institute for Development Research, ABU, Zaria December 3 — 6.
7. **Garkida, A.D** (2004): Do Not Throw It Away: Using up Scrap Glass; Presented at the Department of Industrial Design Seminar Series no 8 July 20.
8. **Garkida A.D** et al (2005): Recycling Waste Laboratory Glass Ware, presented at E.W Deeg Memorial International Conference, Organized by DID and NSGT, Centre for Energy Research and Training, ABU, Zaria, April 27 — 30.
9. Aderiye J, **Garkida A.D**, and Fagbemigun S.D (2010): Using Silicate Materials for Ekiti State Industrialization by the Year 2020 presented at The Department of Industrial Design Conference, ABU Zaria August 3-6 2010.
10. Alkali Vershima, **Garkida A. Dzikwi** and Tukur D.M. Zauro (2012): The Effect of

 Calcination and Grain Size on The Character Of Granite Based Glaze Presented

 at the 10th Annual Conference Of The Ceramic Association Of Nigeria (Ceran).

 Department Of Fine and Industrial Arts University Of Uyo November 12TH – 16TH, 2012.

1. Jekada J.Z, Gonah C.M, **Garkida A.D** and Bello H.I (2012): Effects of Physico-Chemical Changes on Coloured Glass. Presented at the Annual Nigerian Materials Congress. Obafemi Awolowo University, Ile-Ife, Nigeria November 20-24th2012
2. Hauwa Isa, Ali, E.A and **Garkida, A.D** (2013): Chemical Oxide Compositions and

Properties Of Glass-Ceramics: A Review. Presented at Chemical Society of Nigeria

(Zaria Chapter) 11th Chem. Class Conference 2013. The National Research Institute

For Chemical Technology (Narict) Basawa, Zaria – Nigeria, 13th June, 2013

1. **Adele Dzikwi Garkida**, Jianng-Yang Hwang and Xioadi Huang (2013): The Effect

of Binder and Pressure on the Preparation of Recycled Soda Lime Silica Glass

Composite Bodies 2nd International Conference and Exhibition on Materials

Science and Engineering Organized by OMICS Group held at Hampton Inn

Tropicana Las Vegas USA, October 7-9 2013

1. Alkali Vershima, **Garkida A. Dzikwi** and Tukur D.M. Zauro Enhancing The Properties

 of Granite Based Composites By The Inclusion Of Waste Glass And Bone Ash For

 the Production Of Self-Glazed Ceramics, Presented at the 11th Annual Conference of

 The Ceramic Association Of Nigeria (Ceran). Department of Industrial Design FUT

 Akure August 31st – September 4TH, 2014

**(d) Publications in newspapers/magazines:**

1. Jerry Buhari, **Adele Garkida**, Tonie Okpe and Jacob Jari (1999): Aftershave; It Was Possible-. Gallery; The Art Magazine from Gallery Delta. Gallery Publications Zimbabwe, pp 7-12. December.

**(e) Art Exhibitions:**

(i) International exhibitions with publication of works in official exhibition catalogues.

1. **Adele Garkida** (1997): The Swan. In Charmed Particles. Exhibition Catalogue of Catalyst Women Art & Science. March 3-22, 1997, Mountbatten Gallery, Portsmouth, Hampshire, UK.
2. **Adele Garkida** (1998): Somewhere Somehow. In Catalyst 4; Chance. Exhibition Catalogue of Catalyst Women Art & Science. March 4-18, 1998, Mountbatten Gallery, Portsmouth, Hampshire, UK. p 21.
3. **Adele Garkida** (1998): Go for It and Through the Window. In Aesthetics of Reduced Forms. Exhibition Catalogue of Department of Fine Arts, ABU Zaria and Goethe-Institute Lagos. November 1998, Goethe Institute Lagos, Nigeria. p 15.
4. **Adele Garkida** (1999): Leg to Leg. In On the Cards. Exhibition Catalogue of Catalyst Women Art & Science. March 5-19, 1999, Mountbatten Gallery, Portsmouth, Hampshire, UK. p 10.
5. **Adele Garkida** (1999): Vigilance. In Aftershave 1999 Maiden Workshop. Exhibition Catalogue of Aftershave International Artists Workshop, Nigeria. October 23 — November 6 1999, Museum of Traditional Nigerian Architecture (MOTNA), Jos. Nigeria. p 25.
6. **Adele Garkida** (1999): Metamorphosis. In Kinesis 1; Synthesis. Exhibition Catalogue of Kinesis Women Art & Science. December 1 — 7, 1999, The British Council Hall Kaduna. Nigeria. p 11.
7. **Adele Garkida** (2000): Live Jacket, in Catalyst 6; Vital Statistics. Exhibition Catalogue of Catalyst Women Art & Science. March 9-25, 2000, Mounthatten Gallery, Portsmouth, Hampshire, UK. p 8.
8. **Adele Garkida** (2000): Pseudopodia in Kinesis 2; Essence. Exhibition Catalogue of Kinesis Women Art & Science. December 11 — 1 7, 2000, Kashim Ibrahim Library, ABU Zaria, Nigeria. p 12.
9. **Adele Garkida** (2001): Flash Back In Make Up,’ Catalyst 7. Exhibition Catalogue of Catalyst Women Art & Science. March 9-25, 2001, Mountbatten Gallery, Portsmouth, Hampshire, UK. p9.
10. **Adele Garkida** (2001): Does the Eye Matter. In Kinesis 3; Matter. Exhibition Catalogue of Kinesis Women Art & Science. November 26 — December 2, 2001. Abuja Council for Arts and Culture, Abuja, Nigeria. P. 20.
11. **Adele Garkida** (2002): The Circle and the Wheel. In Catalyst 8, Curves that Count. Exhibition Catalogue of Catalyst Women Art & Science. March 7-28, 2002, Portsmouth Art Centre, Portsmouth, Hampshire, UK. p9.
12. **Adele Garkida** (2003): Women. In Catalyst 9; Reflexions. Exhibition Catalogue of Catalyst Women Art & Science. March 8 — April 9 2003, Havant Art Centre, Havant, Hampshire, UK. p11.
13. **Adele Garkida** (2003): Glass flower Option. In Aftershave 2003 Maraba Workshop. Exhibition Catalogue of Aftershave International Artists Workshop, Nigeria. June 6 — 14 2003, Maraba Pottery, Kaduna, Nigeria. p14.
14. **Adele Garkida** (2004): Amygdala. In Catalyst 10; Messenger. Exhibition Catalogue of Catalyst Women Art & Science. March 1- 19, 2004, Mounibatten Gallery, Portsmouth, Hampshire, UK. p 9.
15. **Adele Garkida** (2005): Delirium. In Catalyst 11 Fill the Gap. Exhibition Catalogue of Catalyst Women Art & Science. March 7- 18, 2005. Oxmarket Centre of Arts, Chichester, UK. P. 11a.
16. Ayo Adewunmi and **Adele Garkida** (2008): My Defence. In Art is Everywhere 7; International Waste to Art Workshop. Exhibition Catalogue November 2- 14, 2008. FCT Social Development Secretariat, Abuja, Nigeria. p 39.
17. **Adele Garkida** and Okechukwu Eze (2008): Royal Trumpeter. In Art is Everywhere 7; International Waste to Art Workshop. Exhibition Catalogue November 2- 14, 2008. FCT Social Development Secretariat, Abuja, Nigeria. p44.
18. **Adele Garkida** (2009): Parasite and 6 legged spider. In African Regional Summit and Exhibition on Visual Arts (ARESUVA). Exhibition Catalogue of National Gallery of Art, Nigeria. November 19 — 21, 2009, International Conference Centre Abuja, Nigerian. pp 102 — 103.

**30. Invention/innovations/Awards:**

1. Initiation and Formation of KINESIS Women Art and Science, researching into the interaction of art and science in our daily lives in 1998.
2. Epe Local Government Award (Lagos State) as one of the outstanding corps members in Community Development Service 1990.
3. Fulbright Research Fellow 2005.

**31. Citations in Who is Who etc: None**

**32. Additional Publications since last promotion:**

**(a) i. In peer reviewed journals and books:**

1. **Garkida A.D**., Hwang J.Y., Huang X., Hem A., and Li B. (2010): Evaluating the Compressive Strength and Microstructure of Recycled Glass Compacts, Ashakwu Journal of Ceramics Vol. 7, pp 9-14, June.
2. Opoku E. V. & **Garkida A.D** (2012): Utilization of Rice Husk Ash for the Production of Glazes. Ashakwu Journal of Ceramics Vol 9 pp 64-69. June
3. **Adele Dzikwi Garkida**, Jiann-Yang  Hwang, Xiaodi Huang, Allison Hein (2012):

Effect of Particle Size And Temperature on the Sintering Behaviour of Glass

Compacts. Processing and Properties of Advanced Ceramics and Composites IV.

Ceramics Transactions Volume 234, pp 3-9 October

1. Opoku E.V and **Garkida A.D** (2012): Utilization of Waste Rice Husk as an Alternative to Source of Silica in Glaze and Glass Making. Environ; Journal of Environmental Studies. Fac. of Environmental Design, ABU Zaria pp 9-18
2. Z.S Aliyu, **A.D Garkida,** E.A Ali and M Dauda (2013): Characterization of Kalambaina (Sokoto State) Limestone Deposit for Glass Making. Nigerian Journal of Engineering. Volume 19 No. 2 pp 44-50
3. Okewu J.E, Zauro T.D.M and **Garkida A.D** (2013): The Effects of Waste Iron Filings on the Shrinkage Behaiour of Stoneware Clay Body. Environ; Journal of Environmental Studies. Vol 3 Nos 5&6 Fac. of Environmental Design, ABU Zaria pp 90-96. November
4. **In official conference proceedings:**
5. **Adele Garkida,** Jiann-Yang Hwang, Xiaodi Huang, Charles A. Okuofu, Abashiya M. Ahuwan, Bowen Li (2008): The Shrinkage Behaviour of Recycled Glass Compacts, Extraction and Processing Division (‘EPD), The Minerals, Metals and Materials Society (TMS), Warrendale, Pennsylvania, United States, pp 579-584.
6. **Adele Garkida** (2008): Improving Environmental Sustainability by Recycling Glass, Nigeria and the Millennium Development Goals, Fulbright Association of Nigeria, Lagos, Nigeria, pp 79-87, June.
7. **Adele Garkida**, Jiann-Yang Hwang, Xioadi Huang and Allison M Hein (2010): Glass Coating for Iron Based Powder Metallurgy Components; Supplemantal Proceedings Volume 1: Materials Processing and Properties. The Minerals, Metals and Materials Society (TMS) United States pp 441 – 447.

 **(b) Books/Monographs/Guides! Manuals /Novels:**

1. **Garkida A**. (2007): Glass Design and Recycling. In Adewunmi A. (Ed.), Teach Yourself Creative Art and Design. (Orig. Ed., pp 66-68). Enugu. Art is Everywhere Workshop). November.

**(c) Papers presented at conferences and seminars:**

1. Aderiye J, **Garkida A.D**, and Fagbemigun S.D (2010): Using Silicate Materials for Ekiti State Industrialization by the Year 2020 presented at The Department of Industrial Design Conference, ABU Zaria August 3-6 2010.
2. Alkali Vershima, **Garkida A. Dzikwi** and Tukur D.M. Zauro (2012): The Effect of

 Calcination And Grain Size On The Character Of Granite Based Glaze Presented

 at the 10th Annual Conference Of The Ceramic Association Of Nigeria (Ceran).

 Department Of Fine And Industrial Arts University Of Uyo November 12TH – 16TH, 2012.

1. Jekada J.Z, Gonah C.M, **Garkida A.D** and Bello H.I (2012): Effects of Physico-Chemical Changes on Coloured Glass. Presented at the Annual Nigerian Materials Congress. Obafemi Awolowo University, Ile-Ife, Nigeria November 20-24th2012
2. Hauwa Isa, Ali, E.A and **Garkida, A.D** (2013): Chemical Oxide Compositions and

Properties Of Glass-Ceramics: A Review. Presented at Chemical Society of Nigeria

(Zaria Chapter) 11th Chem. Class Conference 2013. The National Research Institute

For Chemical Technology (Narict) Basawa, Zaria – Nigeria, 13th June, 2013

1. **Adele Dzikwi Garkida**, Jianng-Yang Hwang and Xioadi Huang (2013): The Effect

of Binder and Pressure on the Preparation of Recycled Soda Lime Silica Glass

Composite Bodies 2nd International Conference and Exhibition on Materials

Science and Engineering Organized by OMICS Group held at Hampton Inn

Tropicana Las Vegas USA, October 7-9 2013

1. Alkali Vershima, **Garkida A. Dzikwi** and Tukur D.M. Zauro Enhancing The Properties

 of Granite Based Composites By The Inclusion Of Waste Glass And Bone Ash For

 the Production Of Self-Glazed Ceramics, Presented at the 11th Annual Conference of

 The Ceramic Association Of Nigeria (Ceran). Department of Industrial Design FUT

 Akure August 31st – September 4TH, 2014

**(d) Publications in newspapers/magazines: None**

**(e) Art Exhibitions:**

1. Ayo Adewunmi and **Adele Garkida** (2008): My Defence. In Art is Everywhere 7; International Waste to Art Workshop. Exhibition Catalogue November 2- 14, 2008. FCT Social Development Secretariat, Abuja, Nigeria. p 39.
2. **Adele Garkida** and Okechukwu Eze (2008): Royal Trumpeter. In Art is Everywhere 7; International Waste to Art Workshop. Exhibition Catalogue November 2- 14, 2008. FCT Social Development Secretariat, Abuja, Nigeria. p 41.
3. **Adele Garkida** (2009): Parasite and 6 legged .spider. In African Regional Summit and Exhibition on Visual Arts (ARESUVA). Exhibition Catalogue of National Gallery of Art, Nigeria. November 19 — 21, 2009, International Conference Centre Abuja, Nigerian. pp 102 — 103.

**33. Hobbies:**

i. Sports (Squash and Karate)

ii. Dancing

**34. Names and addresses of three referees:**

1. Dr Vershima Alkali

 Head

 Dept of Industrial Design

 Ahmadu Bello University, Zaria

1. Prof A.M Ahuwan

Dept. of Industrial Design

Ahmadu Bello University Zaria

1. Prof. A.C Okuofu

Dept. of Water Resources and Environmental Engineering

Ahmadu Bello University, Zaria