

CURRICULUM VITAE

File No.: HUI/SSE/PF/207

Academic Session: 2020/2021

I. PERSONAL DATA:

- (a) NAME: ELEBURUIKE, Naimat Abimbola
- (b) MAIDEN NAME: ABDULAZIZ
- (c) DATE OF BIRTH: 8th February, 1985
- (d) CURRENT POSTAL ADDRESS: Mosfala Investment Nigeria Limited, Geri-Alimi Roundabout, P.O.Box 5484, Ilorin, Kwara State.
- (e) MARITAL STATUS: Married
- (f) TEL. NO. AND E-MAIL ADDRESS: 08134230324 & naeleburuike@alhikmah.edu.ng
- (g) DATE OF FIRST APPOINTMENT: 1st October, 2010
- (h) STATUS ON FIRST APPOINTMENT: Regular
- (i) DATE OF LAST UPGRADE: 10th January, 2018
- (j) PRESENT STATUS: Lecturer I
- (k) POST/RANK APPLIED FOR: Senior Lecturer
- (l) DEPARTMENT: Chemical and Geological Sciences
- (m) FACULTY: Natural and Applied Sciences

II. UNIVERSITIES ATTENDED

- Universiti Teknologi Malaysia (UTM), Malaysia Oct. 2014 – Jan. 2018
- University of Ilorin, Ilorin, Nigeria Nov. 2007 – July 2010
- University of Ilorin, Ilorin, Nigeria Sept. 2002 – Oct. 2006

III. ACADEMIC AND PROFESSIONAL QUALIFICATIONS

- Doctor of Philosophy (PhD) Degree in Chemistry -(January 2018)
- Master of Science (M. Sc.) Degree in Industrial Chemistry -(July 2010)
- Bachelor of Science (B. Sc.) Degree in Industrial Chemistry -(October 2006)

IV. SCHOLARSHIPS AND PRIZES

- Best presenter Award at the 4th International Science Postgraduate Conference (ISPC), 22-24 February 2016, Universiti Teknologi Malaysia (UTM).

V. HONOURS, DISTINCTIONS AND FELLOWSHIPS

- Organization for Women in Science for the Developing World (OWSD) Postgraduate Fellowship Award (October 2014 – January 2018)

VI. MEMBERSHIP OF LEARNED SOCIETIES

- Affiliate Member, International Union of Pure and Applied Chemistry (IUPAC) (Since 2017)
- Member, Organization for Women in Science for the Developing World (OWSD) (Since 2014)
- Member, American Chemical Society (ACS) (Since 2014)
- Member, Chemical Society of Nigeria (CSN) (Since 2011)

VII. LENGTH OF TEACHING

- 11 YEARS

VIII. CAREER PROGRESSION

1. **Lecturer I**, Department of Chemical and Geological Sciences, Faculty of Natural and Applied Sciences, Al-Hikmah University, Ilorin, Nigeria.
(January 2018 – Date)
2. **Lecturer II**, Department of Chemical and Geological Sciences, Faculty of Natural and Applied Sciences, Al-Hikmah University, Ilorin, Nigeria.
(October 2012 – January 2018)
3. **Assistant Lecturer**, Department of Chemical and Geological Sciences, Faculty of Natural and Applied Sciences, Al-Hikmah University, Ilorin, Nigeria.
(October 2010 – October 2012)
4. **Chemistry Teacher** (NYSC), Boys Secondary School, Aku, Enugu State, Nigeria.
(March 2007 – February 2008)

IX. ADMINISTRATIVE EXPERIENCE SINCE BASIC QUALIFICATION:

1. Acting Head, Department of Chemical and Geological Sciences, Faculty of Natural and Applied Sciences, Al-Hikmah University, Ilorin. (April 2018 – March 2020).
2. Ag. Sub-Dean, Students Affairs Unit, Al-Hikmah University, Ilorin. (January 2013 to January, 2014).
3. Ag. Sub-Dean, College of Natural Sciences, Al-Hikmah University, Ilorin. (January, 2011 to January, 2013).

X. COURSES TAUGHT

(a) At the Undergraduate Level:

- | | | | |
|------------|-------------------------------|-----------|----------------------------|
| 1. CHM 201 | Analytical Chemistry I | 3 Credits | 2018/19 – 2020/21 sessions |
| 2. CHM 202 | Basic Physical Chemistry | 3 Credits | 2018/19 – 2020/21 sessions |
| 3. ICH 314 | Topics in Inorganic Chemistry | 3 Credits | 2017/18 – 2020/21 sessions |
| 4. CHM 404 | Radio-Nuclear Chemistry | 2 Credits | 2017/18 – 2020/21 sessions |
| 5. CHM 415 | Coordination Chemistry | 2 Credits | 2017/18 – 2020/21 sessions |

6.	ICH 315	Chemical Kinetics & Thermo	3 Credits	2018/19 – 2020/21 sessions
7.	PCM 204	Petroleum Chemistry Lab I	1 Credit	2018/19 – 2020/21 sessions
8.	PCM 205	Petroleum Chemistry Lab II	1 Credit	2018/19 – 2019/20 sessions
9.	PCM 306	Petroleum Chemistry Lab III	1 Credit	2019/2020 session
10.	PCM 311	Chemical Literature in Research	1 Credit	2019/20 – 2020/21 sessions

(b) At the Postgraduate Level:

NIL

XI. POSTGRADUATE STUDENTS' SUPERVISION:

NIL

XII. RESEARCH OUTPUT

- Removal of Heavy Metals from Industrial Effluents using polymeric Chelating adsorbents. Al-Hikmah University, Ilorin, Nigeria.
On-Going (October 2018 – Date)
- Synthesis, Characterization and Mechanistic Study of Titanium and Zinc Oxides Nanotubes and Nanorods Based Bimetallic Oxides for the Photocatalytic Degradation of Paraquat Dichloride. Universiti Teknologi Malaysia (UTM).
Completed (October 2014 – November 2017)
- Thermal and Catalytic Cracking of High Density Polyethylene Product over Alumina Supported Copper Oxide Catalyst. University of Ilorin, Ilorin, Nigeria.
Completed (December 2007 – June 2010)
- Synthesis and Characterization of Mixed Vitamin-Metal Complexes. University of Ilorin, Ilorin, Nigeria.
Completed (October 2005 – August 2006)

XIII. PUBLICATIONS:

HOME-BASED PUBLICATIONS

A. JOURNAL ARTICLES:

1. Abdulkareem, S. A. & Eleburuiké, N. A. (2012): "Pyrolysis of High Density Polyethylene (HDPE) Waste Products into Useful Fuels"; *Nigerian Journal of Pure and Applied Sciences (NJPAS)*; Vol. 25 (2012), 2379-2384. ISSN 0794 - 0378. Published by Faculty of Science, University of Ilorin. <http://njpas.com.ng/>

B. BOOKS:

1. *Eleburuiké, N. A., Amigun, A. T., Ayinla, S. O., M'civer, F. A., Oyewumi-Musa, R. T. & Garba, B. (2021). *Fundamentals of Physical Chemistry*. Ilorin: Published by Unilorin Press. unilorinpress@gmail.com.
2. *Eleburuiké, N. A., Amigun, A. T., Ayinla, S. O., M'civer, F. A., Oyewumi-Musa, R. T. & Garba, B. (2021). *Essentials of Inorganic Chemistry*. Ilorin: Published by Unilorin Press. unilorinpress@gmail.com.

C. MONOGRAPHS:

Nil

D. TECHNICAL REPORTS:

Nil

E. PATENTS:

1. Abdulkareem, S. A. & **Abdulaziz, N. A.** (2009): Catalytic Conversion of High Density Polyethylene Product (Yoghurt Bottles) to Solid, Liquid, and Gaseous Hydrocarbon Fuels. *Patent of the University of Ilorin Research Inventions, Federal Republic of Nigeria*, Ref No. NG\P\2010\333.

F. EDITED CONFERENCE PROCEEDINGS:

Nil

G. PAPERS ACCEPTED FOR PUBLICATION:

Nil

NATIONAL PUBLICATIONS

A. JOURNAL ARTICLES:

1. Amoloye, T. O., Abdulkareem, S. A., & **Eleburuiké, N. A.** (2013): Thermal Cracking of Low Density Polyethylene (LDPE) Waste into Useful Hydrocarbon Products; *Chemsearch Journal (CSJ)*, 4(2) December, 2013, 72-75. ISSN: 2276 – 707X. Published by Chemical Society of Nigeria, Kano Chapter. Available online at: <https://www.ajol.info/index.php/csj/article/view/114932>
2. Abdulkareem, S. A. & **Eleburuiké, N. A.** and Amoloye T. O. (2014): Comparison of Fuel Oil from Thermal and Catalytic Cracking of High Density Polyethylene (HDPE); *Journal of the Chemical Society of Nigeria (JCSN)*, 39(1), 103-106. Published by Chemical society of Nigeria (CSN). <http://journals.chemsociety.org.ng/index.php/jcsn>
3. *Abdulkareem, S. A., Abu, T. O. & **Eleburuiké, N. A.**, (2019). Thermal and Catalytic Pyrolysis of Low-Density Polyethylene (LDPE) Wastes into Useful Fuel Oils: Comparative Studies. *ABUAD Journal of Engineering Research and Development (AJERD)*, Vol. 2(1), 36-41. Published by College of Engineering, Afe Babalola University, Ado-Ekiti (ABUAD), Available online at: http://ajerd.abuad.edu.ng/wp-content/uploads/2019/04/AJERD0201_05.pdf

B. BOOKS:

Nil

C. MONOGRAPHS:

Nil

D. TECHNICAL REPORTS:

Nil

E. PATENTS:

Same as Home-based above because the Patent was awarded by the Federal Government of Nigeria.

F. EDITED CONFERENCE PROCEEDINGS:

1. **Eleburuiké, N. A.** & Abdulkareem, S. A. (2011): “Thermal Cracking of High Density Polyethylene (HDPE) Products into useful Fuels”, *Proceedings of the 34th Annual International Conference, Workshop and Exhibition of the Chemical*

Society of Nigeria. 19-23 September, 2011. Published by Chemical Society of Nigeria (CSN).

G. PAPERS ACCEPTED FOR PUBLICATION:

Nil

INTERNATIONAL PUBLICATIONS

A. JOURNAL ARTICLES:

1. ***Eleburuike, N. A.**, Bakar, W. A. W. A., Ali, R. & Omar, M. F. (2016). Photocatalytic Degradation of Paraquat Dichloride Over CeO₂-Modified TiO₂ Nanotubes and the Optimization of Parameters by Response Surface Methodology. *RSC Advances*. Vol. 6, 104082-104093. Published by the Royal Society of Chemistry (RSC), UK. Available online at: <https://doi.org/10.1039/C6RA24283A>. (Impact Factor: 3.361, Indexed by Web of Science (ISI) and Scopus).
2. * **Eleburuike, N. A.**, Bakar, W. A. W. A. & Ali, R. (2017). Role of Na⁺ Ion Removal on the Photocatalytic Properties of Hydrothermally-Prepared TiO₂ Nanotubes. *Malaysian Journal of Fundamental and Applied Sciences (MJFAS)*. Vol. 13(2), 143-147. Published by Ibnu Sina Institute of Fundamental and Applied Research, Universiti Teknologi Malaysia, Available online at <https://doi.org/10.11113/mjfas.v13n2.617> (Indexed by Web of Science Emerging Sources Citation Index (ESCI) and Scopus).
3. *Nadarajan, R., Bakar, W. A. W. A., Toemen, S., Habib, M. A. & **Eleburuike, N. A.** (2018). Structure-Activity Relationship of TiO₂ Based Trimetallic Oxide Towards 1, 2-Dichlorobenzene Photodegradation: Influence of Preparation Method and Its Mechanism. *Chemical Engineering Journal* Vol 351, 708-720. Published by Elsevier. Available online at: <https://doi.org/10.1016/j.cej.2018.06.135>. (Impact Factor: 13.273, Indexed by Web of Science and Scopus).

B. BOOKS:

Nil

C. MONOGRAPHS:

Nil

D. TECHNICAL REPORTS:

Nil

E. PATENTS:

Nil

F. EDITED CONFERENCE PROCEEDINGS:

1. ***Eleburuike, N. A.**, Bakar, W. A. W. A. & Ali, R. (2016). Effects of Surface Modification and Calcination Temperature on the Photocatalytic Degradation of Paraquat Dichloride over CeO₂-doped TiO₂ Nanotubes under Visible Light. *Proceedings of 4th International Science Postgraduate Conference 2016 (ISPC 2016)*, Universiti Teknologi Malaysia, 22-24 February, 2016. Pages 40-48. Published by Faculty of Science, Universiti Teknologi Malaysia.
2. ***Eleburuike, N. A.**, Bakar, W. A. W. A. & Ali, R. (2016). Photocatalytic Treatment of Modelled Paraquat Dichloride Polluted Water using Titanium Dioxide and Zinc

Oxide Nanotubes. *Proceeding of Women in Science and Technology for the Developing World Fifth General Assembly and International Conference*, 16-19 May 2016, Kuwait. Pages 1-6. Published by Kuwait Institute of Scientific Research (KISR), Kuwait.

3. *Eleburuike, N. A., Bakar, W. A. W. A. & Ali, R. (2016). Zirconia-Modified Titanium Oxide Nanotubes with Enhanced Photocatalytic Activity. *Proceedings of 6th International Graduate Conference on Engineering, Science and Humanities (IGCESH 2016)*, Universiti Teknologi Malaysia, 15-17 August 2016. Pages, 405-408. Published by School of Graduate Studies, Universiti Teknologi Malaysia.

G. PAPERS ACCEPTED FOR PUBLICATION:

Nil

XIV. CONFERENCES ATTENDED & PAPERS PRESENTED:

1. Eleburuike, N. A., Bakar, W. A. W. A. & Ali, R. (2019). Synthesis and Characterization of WO₃-Doped Zinc Oxide Nanotubes and its Application in the Degradation of Paraquat Dichloride. **18th Annual International Conference of the Materials Science and Technology Society of Nigeria (NIMACON 2019)**, 18th-22nd November, 2019, University of Ilorin, Nigeria. (Oral Presenter).
2. Eleburuike, N. A., Bakar, W. A. W. A. & Ali, R. (2017). Synthesis and Characterization of WO₃-ZrO₂-TiO₂ Nanotubes as Efficient Photocatalyst in the Degradation of Paraquat Dichloride. **253rd American Chemical Society (ACS) National Meeting & Exposition (ACS San Francisco 2017)**, April 2-6, 2017, Moscone Convention Centre, San Francisco, California, USA. (Poster presenter).
3. Eleburuike, N. A., Bakar, W. A. W. A. & Ali, R. (2017). Role of Na⁺ Ion Removal on the Photocatalytic Properties of Hydrothermally-Prepared TiO₂ Nanotubes. **5th International Science Postgraduate Conference 2017 (ISPC 2017)**, 7-8 March, 2017, Pulau Springs Resort, Johor Bahru, Malaysia. (Oral presenter).
4. Eleburuike, N. A., Bakar, W. A. W. A. & Ali, R. (2016). Zirconia Modified Titanium Oxide Nanotubes with Enhanced Photocatalytic Activity. **6th International Graduate Conference on Engineering, Science and Humanities (IGCESH 2016)**, Universiti Teknologi Malaysia, 15-17 August 2016. (Poster Presenter).
5. Eleburuike, N. A., Bakar, W. A. W. A. & Ali, R. (2016). Photocatalytic Treatment of Modelled Paraquat Dichloride Polluted Water using Titanium Dioxide and Zinc Oxide Nanotubes. **Organization for Women in Science for the Developing World (OWSD) Fifth General Assembly and International Conference**, 16-19 May 2016, Kuwait Institute of Scientific Research, Kuwait. (Oral presenter).
6. Eleburuike, N. A., Bakar, W. A. W. A. & Ali, R. (2016). Effects of Surface Modification and Calcination Temperature on the Photocatalytic Degradation of Paraquat Dichloride over CeO₂-doped TiO₂ Nanotubes under Visible Light. **4th International Science Postgraduate Conference 2016 (ISPC 2016)**, Universiti Teknologi Malaysia, 22-24 February, 2016. (Oral presenter).

7. **Eleburuike, N. A.** & Eleburuike, U. O. (2011): “Climate Change: Implications on Food Security and Poverty Reduction”, **AvH Alexander von Humboldt Kollege Conference**, University of Ibadan, Nigeria. October 11th-15th, 2011. (Oral Presenter).
8. **Eleburuike, N. A.** & Abdulkareem, S. A. (2011): “Thermal Cracking of High Density Polyethylene (HDPE) Products into useful Fuels”. **34th Annual International Conference, Workshop and Exhibition of the Chemical Society of Nigeria**, September 19th-23rd, 2011. (Oral Presenter).
9. **Eleburuike, N. A.** (2011): “Effects of Biotechnology and Nanotechnology on Chemical, Plastics and Allied Industries”. **Humboldt International Conference, Humboldt-Kollege, Ogbomoso, Nigeria on Potential Applications of Nanotechnology in Developing Countries of West Africa: Trends of Research Activities**, July 4th-7th, 2011. (Oral Presenter)

XV. COMMUNITY SERVICE:

1. Associate Editor, Al-Hikmah Journal of Pure and Applied Sciences (AJPAS), Faculty of Natural and Applied Sciences, Al-Hikmah University, Ilorin. (July 2021 – Date).
2. Member, Faculty Journal Committee, Faculty of Natural and Applied Sciences, Al-Hikmah University, Ilorin. (October 2020 – Date).
3. Secretary, Departmental Postgraduate Committee, Department of Chemical and Geological Sciences, Faculty of Natural and Applied Sciences, Al-Hikmah University, Ilorin. (March 2020 - Date).
4. Secretary, Faculty Postgraduate Committee, Faculty of Natural and Applied Sciences, Al-Hikmah University, Ilorin. (January 2020 – March 2020).
5. Auditor I, Chemical Society of Nigeria, Kwara Chapter. (January 2020 – Date)
6. Organizer, IUPAC Global Women’s Breakfast, Al-Hikmah University, Ilorin. Theme: “Building Bonds to Create Future Leaders”. (February 2020).
7. Member, University Time-Table Committee, Al-Hikmah University, Ilorin. (2011/2012 Session)
8. Member, Al-Hikmah University Ceremonials Committee (July, 2013 to September 2013)
9. Level Adviser, Department of Chemical and Geological Sciences, Faculty of Natural and Applied Sciences, Al-Hikmah University, Ilorin. (October 2010 – September 2013).
10. Academic Adviser, National Association of Science Students (NASS), Faculty of Natural and Applied Sciences, Al-Hikmah University, Ilorin. (January 2011 – January 2013).
11. Monthly contribution from my salary to the account of Centre for Islamic Heritage and Community Development, Al-Hikmah University, Ilorin to impact on the lives of the people of Ilorin and its environs.

XVI. HOBBIES/EXTRA-CORRICULAR ACTIVITIES:

Travelling, recitation of Qur’an and mentoring