

CURRICULUM VITAE

01. PERSONAL DATA

- (i) Name in Full: BADA Babatunde Saheed
- (ii) Sex: Male
- (iii) Marital Status: Married
- (iv) Nationality: Nigerian
- (v) Contact Address: Department of Environmental Management & Toxicology,
Federal University of Agriculture,
P.M.B 2240 Abeokuta.
- (vi) Phone Number: +2348037250964
- (vii) E-mail Address: badabs@funaab.edu.ng; bsbada2000@yahoo.com (viii)
Research Interest: Environmental Management & Bioremediation

02. EDUCATIONAL BACKGROUND

- (i) **Educational Institutions Attended (with Dates)**
 - (a) Obafemi Awolowo University, Ile – Ife - 1990 – 1997
 - (b) Obafemi Awolowo University, Ile –Ife - 1998 - 2000
 - (c) United Nations University, Tokyo, Japan - 2008
 - (d) United Nations University, Tokyo, Japan - 2008
 - (e) University of Ibadan, Ibadan - 2004 - 2011
 - (f) Nigeria Institute of Soil Science - 2021
- (ii) **Academic and Professional Qualifications (with Dates)**
 - (a) B. Agric (Soil Science) - 1997
 - (b) M.Sc. Environmental Control and Management - 2000
 - (c) Certificate in Governance of Emerging Global Issues - 2008
 - (d) Certificate in Environmental Change: Managing Risk - 2008
 - (e) Ph.D. Soil Science - 2011
 - (f) Registered Soil Scientist - 2021
- (iii) **Prizes, Honours, Scholarship, National and International recognition**
 - (a) United Nations University Fellowship - 2008
 - (b) Ministry of Science and Technology, The People’s Republic of China Scholarship - 2010
 - (c) MASHAV (Israel’s Agency for International Development Cooperation, Ministry of Foreign Affairs) Scholarship - 2015
 - (d) Centre of Excellence for Agricultural Development and Sustainable Environment Scholarship 2017
 - (e) British Council Scholarship - 2019

Grants

- (a) Aduradola, A. M., Oladoye, A. O. and **Bada, B. S.** Light fraction of organic matter under different land management systems in a Nigerian derived Savanna soil. Research Grant Reference number: UNAAB/IFSERAR/IRG68, 2011, Duration: one year, Amount: N199,000
- (b) Azeez, J. O., Odedina, J. N., **Bada, B. S.** and Onasanya, O. Evaluation of the heavy metal extractive ability of some indigenous plant species in Abeokuta, Nigeria. Year 2014 TETFUND Research Projects (RP) Intervention. FUNAAB/DGM/36. Duration: One year, Amount: N1,500,000.00

- (c) Badejo, A. A., **Bada, B. S.** and Abegunrin, A. G. Assessment of subsurface flow constructed wetland using locally available macrophytes in the treatment of locust beans wastewater. Year 2020 National Water Resources Capacity Building Network (NWRCBNet) Southwest on Nature Based Solutions for Water, Duration: One year, Amount: N800,000.00
- (d) **Bada, B. S.**, Taiwo, A. M., Obuotor, T. M. and Ojetokun, O. T. Biogas technology for converting Cassava (*Manihot* spp.) wastewater from Garri processing industry to energy and bio-fertilizer. Year(s) 2019-2020 (merged) TETFund Intervention in Research Project (RP) Intervention. FUNAAB/DRIP/40. Duration: One year, Amount: N1,674,390.00

03. WORK EXPERIENCE

Professional Experience/Previous Work Experience outside the University System

- i. Supervisor (NYSC) at Department of Agriculture and Natural Resources, Jalingo Local Government Council, Jalingo, Taraba State 1997 – 1998
- ii. Supervisor at Hallmark Agro-Allied Nigeria Limited, Super Bus stop, Abule-Egba, Lagos. 1998 – 2000
- iii Supervisor for Agriculture and Natural Resources at Ife Central Local Government Council, Ile-Ife, Osun State. 2001– 2002
- iv Production Manager at Hallmark Agro-Allied Nigeria Limited, Abule - Egba, Lagos, 2002 -2005

Details of teaching at University level

- i Lecturer II, Department of Environmental Management and Toxicology, Federal University of Agriculture, Abeokuta (FUNAAB), Nigeria 2005 – 2011
- ii Lecturer I, Department of Environmental Management and Toxicology, FUNAAB, Nigeria 2011 – 2014
- iii Senior Lecturer, Department of Environmental Management and Toxicology, FUNAAB, Nigeria 2014 – 2017
- iv Associate Professor, Department of Environmental Management and Toxicology, FUNAAB, Nigeria 2017 – 2020
- v Professor, Department of Environmental Management and Toxicology, FUNAAB, Nigeria 2020 and

Supervision of Undergraduate students

Bachelor of Environmental Management and Toxicology: 93 – Completed
07 – Ongoing

Supervision of Professional Master Students

Master of Environmental Management: 16 – Completed
01 – Ongoing

Courses taught at Undergraduate level

Course code	Course title	Unit
EMT 302	Environment Ecosystem and Man	3
EMT 403	Environmental Aspect of Farming Systems	3

EMT 405	Environmental Education and Awareness	2
EMT 501	Environmental Law	2
EMT 507	Seminars	2
EMT 520	Conservation of Biological Diversity	3
EMT 599	Projects	4

Courses taught at Postgraduate level

Course code	Course title	Unit
Academic Programme (MEM/PhD)		
EMT 804	Comparative Environmental Policy and Law	3
EMT 811	Seminar	2
EMT 812	Dissertation / Thesis	6
EMT 826	Environmental Pollution and Control	3
EMT 839	Advanced Biometrics	3
Professional Master (MEM)		
EMP 801	Environmental Law, Policy and Administration	3
EMP 809	Environmental Education and Awareness	2
EMP 827	Seminar	2
EMP 828	Analysis of Environmental Data	3
EMP 829	Project	6

Serving as External Examiner

- i Postgraduate, Department of Botany, Awolowo University, Ile-Ife, 2015 - Date Obafemi Osun State, Nigeria
- ii Postgraduate, Department of Biology, Health Science University, 2016 - Date Sefako Makgatho South Africa.
- iii Postgraduate, Department of Soil Science and Land Management, Ladoke Akintola University Oyo State. 2018 - Date Resources of Technology, Ogbomosho,
- iv Undergraduate (B.Sc. EMT) and Postgraduate Department of Biological Sciences Lead City University, Ibadan, Oyo State. 2018 - Date

Serving as External Assessor

- i Department of Biological Sciences, Ilara-Mokin, 2022 Elizade University, Ondo State, Nigeria
- ii Department of Zoology, Lagos, 2022 o University of Lagos, Nigeria.
- iii Ogun State College of Health Technology, Ijebu, Ogun State. 2022 Ilese-

04. SPECIAL ASSIGNMENTS/COMMUNITY SERVICE

Departmental Assignments

- (i) Departmental Examination Officer 2006 – 2010
- (ii) Member, Departmental Field Trip Committee 2010 – 2015
- (iii) Departmental PG coordinator 2011 – Sept., 2019
- (iv) Coordinator, 300 Level 2016 – 2018
- (v) Head, Department of Environmental Management and Toxicology Oct., 2021-Date

College Assignments

- (i) Member, COLERM Board 2005 – Date
- (ii) Member, COLERM COCER 2010 – Sept., 2019
- (iii) Member, COLERM Postgraduate Committee 2011 – Date
- (iv) Member, COLERM Board of Studies 2011 – Date
- (v) Deputy Dean, COLERM Oct., 2019–Oct., 2021
- (vi) Chairman, COLERM COCER Oct., 2019-Oct., 2021

University Assignments

- (i) Member, Ad-hoc Committee on the location of comfort zones March, 2009
- (ii) Member, FUNAAB Admission Committee 2011 – Date
- (iii) Member, Postgraduate School Business Committee 2014 – 2022
- (iv) Vice-Chairman: In an In-House Pre-Admission Screening Exercise (IPASE). 2016/2017
- (v) Assistant Programme Leader, Environmental Systems and Climate Change, Centre of Excellence for Agricultural Development and Sustainable Environment (CEADESE) 2016 – 2023
- (vi) Member, FUNAAB Senate 2019 – Date
- (vii) Member, Postgraduate School Board 2019 – Date
- (viii) Programme Leader, Environmental Systems and Climate Change, Centre of Excellence for Agricultural Development and Sustainable Environment (CEADESE) 2023 – Date

Community Service

- (1) Convener/Chairman: A5- Man Committee for the 18th AGM of the ASUU-UNAAB Multipurpose Cooperative Society, 2023
- (2) Resource Person: Climate change and crop yield. At the symposium organised by Surveyors Council of Nigeria (SURCON) Oyo State Ethics Committee, 2022
- (3) Resource Person: Chemical handlers and users workshop in Ogun State. Organised by Ogun State Environmental Protection Agency, 2022
- (4) Co-keynote speaker: Soil quality and ecosystem health organised by Environmental Health Scientist Association, Nigeria, 2022
- (5) Resource Person: Climate Change Adaptation and Mitigation: Youth engagement for social action in Ogun State. Organised by BUDLEIN, 2022
- (6) Resource Person: Nigeria Climate Change Response Programme (NCCRP) A two-day capacity building workshop for waste sector operators in Ogun State. Organised by Office of the Technical Assistance Team of the European Union Support to NCCRP, 2022
- (7) Convener/Chairman: A5- Man Committee for the 17th AGM of the ASUU-UNAAB Multipurpose Cooperative Society, 2022
- (8) Resource Person: Review of guideline and regulation of industrial gas handlers and other petroleum products. Organised by Ogun State Environmental Protection Agency, 2021
- (9) Professional staff in the conduct of Environmental Evaluation Report (EER) of Heosl – Olomoroh-Oleh additional well drilling in Isoko South and Isoko North LGAS, Delta State, Nigeria, 2017
- (10) Professional staff in the conduct of Environmental and Social Impact Assessment of the proposed Lagos and Ogun State Transmission Project, 2017
- (11) Professional staff in the conduct of Environmental and Social Impact Assessment for Zobe Dam rehabilitation works including associated components, Dutsima, Katsina State, 2016.
- (12) Professional staff in the conduct of Environmental Impact Assessment (EIA) of the proposed Nigerian Oil and Gas Park at Ohurewale/Obolabh Bush, Emeyal 1, Ogbia LGA, Bayelsa State, 2016
- (13) Professional staff in the conduct of Environmental and Social Impact Assessment of the proposed Odomola water supply project, Epe, Lagos State State, 2014

- (14) Treasurer: Unity Estate Eleweran Community Development Association Eleweran, Abeokuta, 2016 – 2019.
- (15) Resource Person: At New Dawn Programme of Ogun State Television (OGTV) Station, June 2015.
- (16) Resource Person: At 2014 World Environment Day, organized by Ogun State Ministry of Environment, 5 June, 2014.
- (17) Participant: At 1-Day Strategic Plan Workshop “Theme: Strategic Plan (2014-2020): Roadmap Towards a World-Class University” organized by the Federal University of Agriculture, Abeokuta, 27 May, 2014.
- (18) Invited Guest: To a one-day workshop on kenaf development. Organized by the Raw Materials Research and Development Council, Ogun State Coordinating Office in collaboration with Ogun State Ministry of Agriculture, and the Kenaf Development Association of Nigeria Ogun State Chapter, 24 October, 2013.
- (19) Resource person: At the workshop for Environmental Health Officers in Oyo State. Sponsored by Local Government Service Commission, Oyo State, Nigeria, 8 – 9 December, 2011.
- (20) Resource person: At the workshop for Environmental Health Officers in Ogun State. Sponsored by Local Government Service Commission, Ogun State, Nigeria, 5 – 13 October, 2011.
- (21) Guest Lecturer: At the 4th Symposium of the Faculty of Environmental Sciences, Ladoko Akintola University of Technology, Ogbomoso, Oyo State, Nigeria, 27th September, 2011.
- (22) Chairman: Oloyinde Mosque, Kajola community, Aregbe, Abeokuta, 2007 – Date.
- (23) Financial Secretary General: Unity Estate Muslim Association, Eleweran, Abeokuta, 2008 – Date.
- (24) Student Representative: 9th Graduation Ceremony of United Nations University International Courses, Tokyo, Japan, June 2008.
- (25) Chairman Agric Committee: Ife Central Local Government Council, Ile-Ife, Osun State, 2001-2002.
- (26) Chairman Revenue Generation Committee (Task Force): Ife Central Local Government Council Ile-Ife, Osun State, 2001-2002.
- (27) Chairman: Murtala Muhammad (Postgraduate) Hall, Obafemi Awolowo University, Ile-Ife, 1998-1999.
- (28) Foundation member: National Drug Law Enforcement Agency (Antidrug Campaign Club), Jalingo, Taraba State, 1997-1998.
- (29) Financial Secretary: Internship Committee, Faculty of Agriculture, Obafemi Awolowo University, Ile-Ife, 1995-1996.

05. TRAINING PROGRAMMES ATTENDED (with dates)

- (i) Capacity building workshop on evidence use in environmental policymaking in Nigeria, held on 27th to 31st July 2020 under the Evidence Use in Environmental Policymaking in Nigeria (EUEPiN) project.
- (ii) Academic Retreat on University Ethics, Pedagogy and Examination Matters, organised by the Federal University of Agriculture, Abeokuta. June 21 – 23, 2021.
- (iii) An International Workshop on Communication Skills for Researchers, Organised by British Council. January 21 – 23, 2019.

- (iv) An International Workshop on the 21st Century Innovative Instructional Methods, Tools and Techniques, Organised by Africa Centre of Excellence in Agricultural Development and Sustainable Environment, Federal University of Agriculture, Abeokuta. August 13 – 17, 2018.
- (v) An International Course on Climate Change and Sustainable Environment, Organised by Africa Centre of Excellence in Agricultural Development and Sustainable Environment, Federal University of Agriculture, Abeokuta in conjunction with Galilee International Management Institute, Israel. August 6 – 11, 2018.
- (vi) Training programme on Renewable Energies, Recycling of plastic and compost at Songhai, Porto-Novo, Republic of Benin. September 1 – 29, 2017.
- (vii) Workshop on ASUU Leadership Training Manual, held at ASUU-UNAAB Secretariat Complex, FUNAAB, Abeokuta. June 28, 2017.
- (viii) Federal University of Agriculture, Abeokuta (FUNAAB) Professorial Retreat, Organized by Directorate of Grant Management, FUNAAB. July 12 – 13, 2016.
- (ix) Building Academic Leadership Capacity for Higher Education in the 21st Century in the University. Organized by Centre for Innovation and Strategy in Learning and Teaching at Federal University of Agriculture, Abeokuta. June 21, 2016.
- (x) Advanced Digital Appreciation Programme for Tertiary Institutions (ADAPTI) Training at the Federal University of Agriculture, Abeokuta. May 11 – 15, 2015.
- (xi) International Research and Development Course on Postharvest Physiology, Pathology and Handling of Fresh Commodities held at the Volcani Center, Israel. February 9 – March 5, 2015.
- (xii) Write – shop for European Commission funding opportunities at Postgraduate School Auditorium, Federal University of Agriculture, Abeokuta. April 8 -9, 2014.
- (xiii) Training workshop on the preparation and vetting of students’ results at Federal University of Agriculture, Abeokuta, Nigeria. June 7, 2013.
- (xiv) International Workshop on Underground Storage Tank Compliance: It’s Good for Your Health and Your Financial Security at University of Massachusetts, Amherst, MA, USA. October 17, 2011.
- (xv) International Training Workshop on Agricultural Environment Controlling Technologies at Yangling International Exchange Center, The People’s Republic of China. August – September, 2010.
- (xvi) Ethos and ethics in academics organized by the Research and Development Centre (RESDEC) now Institute of Food Security, Environmental Resources and Agricultural Research (IFSERAR) of the University of Agriculture, Abeokuta, Nigeria. March 13 – 16, 2008.
- (xvi) Extension Orientation Workshop for Academic Staff organized by the Agricultural Media Resources and Extension Centre (AMREC) of the University of Agriculture, Abeokuta, Nigeria. April 18 – 19, 2006.

06. COMMENDATION

- i. Letter of Appreciation as a member of the committee on the possibility of having students' thesis /dissertation oral examination via Zoom by the Secretary, Postgraduate School Board, Federal University of Agriculture, Abeokuta.
August 19, 2021
- ii. Letter of Appreciation for dedication to duty and dynamism exhibited as a member of the Admissions Committee by the Registrar, Federal University of Agriculture, Abeokuta.
June 7, 2018
- iii. Letter of Commendation for dedication to duty as a member of the Postgraduate School Board Business Committee by the Registrar, Federal University of Agriculture, Abeokuta.
August 14, 2015

07. MEMBERSHIP OF PROFESSIONAL BODIES

Member (Registered Soil Scientist), Nigeria Institute of Soil Science
Member, Soil Science Society of Nigeria
Member, Nigeria Field Society
Member, American Kenaf Society
Member, Society of Environmental Toxicology and Chemistry

08. RESEARCH INTEREST OR COMMISSIONED PROJECTS

Completed Research

1. Conventional and *insitu* methods of biodiesel production from three varieties of mangoes 2019
2. Effects of loading rates and co-digestion of agro-allied wastes on biogas production 2019
3. Quantity and quality of solid wastes generated in the Federal University of Agriculture, Abeokuta, Nigeria 2019
4. Effects of poultry manure and NPK fertiliser in the phytochemical's contents of Jute mallow (*Cochorius olitorius*) and soil properties 2018
5. Pesticides use and its contents in maize, cassava and soil of a selected community in Oyo State, Nigeria 2018
6. Organochlorine pesticide residues in soils and its potential health risk assessment in vegetables from Iyana-Iba farm settlement, Lagos State 2018.
7. Biogas production from anaerobic co-digestion of animal and plant wastes using fixed dome and floating drum digesters

Research in Progress

1. Anti-nutritive factors in fluted pumpkin (*Telfairia occidentalis*) as influenced by fertilizer types and levels
2. Phytoremediation of crude oil-contaminated soil using Haemorrhage plant (*Aspilia africana*), Siam weed (*Chromolaena odorata*) and broiler litter biochar
3. Radioactive elements in soil and vegetation from dumpsites in Ogun State, Nigeria
4. Comparative assessment of synthetic chemicals and bio-pesticides in the control of field and post-harvest losses of selected crops
5. Phytoremediation of fish farm effluents using water hyacinth and water lettuce

09. PUBLICATIONS

Research Report, Dissertation, Thesis

- (i) **Bada B. S. (1997).** Biodegradable household waste generation in Osun State. B. Agric. Research Report submitted to the Department of Soil Science, Obafemi Awolowo University, Ile-Ife, 43p.
- (ix) **Bada B. S. (2000).** Heavy Metal concentration of soil and vegetation associated with highway of two different traffic densities in Osun State. M.Sc Dissertation submitted to the Institute of Ecology and Environmental Studies Obafemi Awolowo University, Ile-Ife, 94p.
- (x) **Bada B. S. (2011).** Response of Kenaf (*Hibiscus cannabinus* Linn.) to fertilizers and arbuscular mycorrhiza in a nutrient degraded Alfisol in Ibadan, Southwestern Nigeria. PhD Thesis submitted to the Department of Agronomy, University of Ibadan, Ibadan, 105p

Articles in Learned Journals

^f(1) Amusan, A. A., **Bada, B. S.** and Salami, A.T. (2003): Effect of Traffic Densities on Heavy Metal Content of Soil and Vegetation Along Roadsides in Osun State, Nigeria. *West African Journal of Applied Ecology* 4:107-114. Published by Ecological Laboratory, University of Ghana, Legon, Ghana.

^f(2) **Bada, B. S.** and Akande, E. A. (2010): Greenhouse Gases Concentrations in the Atmosphere Along Selected Roads in Abeokuta, Ogun State, Nigeria. *Ethiopian Journal of Environmental Studies and Management* 3 (1): 78-82. Published by Department of Geography and Environmental Studies, Bahir Dar University, Bahir Dar, Ethiopia. Available online at www.ajol.info/index.php/ejesm/index ISSN 1998-0507

^f - Articles in Foreign / International journals

^f(3) Ajuwon, O. R., **Bada, B. S.** and Olujimi, O. O. (2010): Growth and Antioxidative Responses to Excess Cadmium in Kenaf (*Hibiscus cannabinus* L). *Fresenius Environmental Bulletin* 19(11a): 2637 - 2643. Published by PSP - Parlar Scientific Publications, Germany. Available online at www.psp-parlar.de ISSN 1018-4619

^f(4) **Bada, B. S.** and Raji, K. A. (2010). Phytoremediation Potential of Kenaf (*Hibiscus cannabinus*L.) Grown in Different Soil Textures and Cadmium Concentrations. *African Journal of Environmental Science and Technology* 4 (5): 250 – 255. Published by Academic Journals, South Africa. Available online at <http://www.academicjournals.org/AJEST> ISSN 1991-637X

^f(5) **Bada, B. S.** and Kalejaiye, S. T. (2010): Response of Kenaf (*Hibiscus cannabinus* L.) Grown in Different Soil Textures and Lead Concentrations. *Research Journal of Agriculture and Biological Sciences* 6(5): 659 – 664. Published by INSInet, Pakistan.

(6) Oladoye, A. O., Aduradola, A. M., **Bada, B. S.** and Kudaisi, B. O. (2011): Light Fraction of Soil Organic Matter under Different Management Systems in Abeokuta, a Derived Savanna, Nigeria. *Journal of Agriculture, Forestry and the Social Sciences* 10(1): 143 – 148. Journal of University of Benin, Benin, Nigeria. Available online at <http://www.ajol.info/journals/joafss> ISSN 1597-0906

(7) **Bada, B. S.** and Umunnakwe, C. F. (2011): Phytoremediation Potential of Kenaf (*Hibiscus cannabinus* linn.) under Different Soil pH and Copper Concentrations. *Journal of Science Research* 10(2): 160 – 166. Journal of Faculty of Science, University of Ibadan, Ibadan, Nigeria.

^f(8) **Bada, B. S.** and Oyegbami, O. T. (2012): Heavy Metals Concentrations in Roadside Dust of Different Traffic Density. *Journal of Environment and Earth Science* 2(8): 54 – 59. Published by International Institute for Science, Technology and Education, USA. ISSN 2224-3216 (Print), ISSN 2225-0948 (Online).

- ^f(9) Olatunde, K.A., Bamgbose, O., Arowolo, T. A., George, F. O. A. and **Bada, B. S.** (2012): Effect of Processing and Storage on the Trace Metal Concentration and Freshness Quality of Catfish (*Clarias gariepinus*). *Food Science and Quality Management* 9: 1- 7. Published by International Institute for Science, Technology & Education, USA. Available online at www.iiste.org ISSN 2224-6088 (Print), ISSN 2225-0557 (Online).
- (10) **Bada, B. S.**, Olatunde, A. K. and Taiwo, D. A. (2012): Heavy Metal Content of Soil and Jute Mallow Collected from Organic and Inorganic Farms. *Journal of Agriculture, Forestry and the Social Sciences* 10(2): 211 – 217. Department of Animal Science, University of Benin, Nigeria. Available online at www.ajol.info/journals/joafss ISSN 1597-0906
- ^f(11) **Bada, B. S.**, Olatunde, A. K. and Oluwajana A. (2013): Air Quality Assessment in the Vicinity of Cement Company. *International Research Journal of Natural Sciences* 1(2): 34 - 42. Published by European Centre for Research Training and Development UK. Available online at www.ea-journals.org
- ^f(12) Olatunde, K.A., Bamgbose, O., Arowolo, T. A., George, F. O. A. and **Bada, B. S.** (2013): Quality and Shelf – Life Assessment of Various Processed Catfish and Tilapia Stored at Ambient Temperature. *British Journal of Applied Science and Technology* 3(3): 440- 451. Published by Sciencedomain International, UK. Available online at www.sciencedomain.org
- ^f(13) Aduradola, A. M., Oladoye, A. O and **Bada, B. S.** (2013): Light Fraction of Organic matter under Different Land Management Systems in a Nigerian Derived Savanna Soil. *International Journal of Biological and Chemical Sciences* 7(1): 287 – 293. Published by International Formulae Group, Faculty of Science, University of Dschang, Cameroon. Available online at <http://ajol.info/index.php/ijbcs> ISSN 1991-8631
- ^f(14) Badejo, A. A., Taiwo, A. O., **Bada, B. S.** and Adekunle, A. A. (2013): Groundwater Quality Assessment Around Municipal Solid Waste Dumpsite in Abeokuta, South-West Nigeria. *Pacific Journal of Science and Technology*, 14 (1): 593 – 603. Published by Akamai University, USA. Available online at <http://www.akamaiuniversity.us/PJST.htm>
- ^f(15) **Bada, B. S.**, Olatunde, A. K. and Akande O. A. (2013): Air Quality Assessment in the Vicinity of Quarry Site. *Environment and Natural Resources Research* 3 (2): 111 – 115. Published by Canadian Center of Science and Education. Available online at www.ccsenet.org/enrr ISSN 1927-0488 (Print), ISSN 1927-0496 (Online).
- ^f(16) Badejo, A. A., Taiwo, A. O., Adekunle, A. A. and **Bada, B. S.** (2013): Spatio-Temporal Levels of Essential Trace Metals around Municipal Solid Waste Dumpsite in Abeokuta, Nigeria. *Pacific Journal of Science and Technology*. 14(2):682-692. Published by Akamai University, USA. Available online at <http://www.akamaiuniversity.us/PJST.htm>
- ^f(17) Ayantobo, O. O., Awomeso, J. A., Oluwasanya, G. O., **Bada, B. S.** and Taiwo, A. M. (2014): Non-cancer Human Health Risk Assessment from Exposure to Heavy Metals in Surface and Groundwater in Igun Ijesha, Southwest Nigeria. *American Journal of Environmental Science* 10(3): 301-311. Published by Science Publications, USA. Available online at <http://www.thescipub.com/ajes.toc> ISSN 1553-345X.
- ^f(18) **Bada, B. S.**, Arowolo, T. A. and Ozoike, P. N. (2014): Assessment of Heavy Metal Content of Soil and Kenaf (*Hibiscus cannabinus* Linn.) in a Nutrient Degraded Soil amended with Dairy Sludge. *Journal of Applied Phytotechnology in Environmental Sanitation* 3(4): 137 – 145. Published by Department of Environmental Engineering SepuluhNopember Institute of Technology, Surabaya & Indonesian Society of Sanitary and Environmental Engineers, Jakarta. Available online at <https://www.trisanita.org/japes> ISSN 2088-6586.
- (19) Adewuyi, S.A., Folorunso, A. O., Okojie, L. O. and **Bada, B. S.** (2014): Effect of Climate Change on Yam and Cassava Production in Oyo State, Nigeria: A Cointegration Model Approach. *Journal of*

Agricultural Economics and Rural Development 6(1): 54 – 66. Published by the Department of Agricultural Economics and Extension, Ladoké Akintola University of Technology, Ogbomoso, Nigeria. Available online at <http://www.ijaerd.lautechae.edu.com>

^f(20) Olatunde, K. A. Arowolo, T. A., **Bada, B. S.**, Taiwo, A. M. and Ojekunle, Z. O. (2014): Distribution and Enrichment of Metals in Sediments of the Ogun River within Abeokuta, South-Western, Nigeria. *African Journal of Aquatic Science* 39 (1): 17 – 22. Published by Taylor & Francis. Available online at <http://dx.doi.org/10.2989/16085914.2014.882287> ISSN 1608-5914 EISSN 1727-9364.

^f(21) Ayantobo, O. O., Awomeso, J. A., Oluwasanya, G. O., **Bada, B. S.** and Taiwo, A. M. (2014): Mining in Igun-Ijesha, Southwest Nigeria: Impacts and Implications for Water Quality. *American Journal of Environmental Science* 10(3): 289 – 300. Published by Science Publications, USA. Available online at <http://www.thescipub.com/ajes.toc> ISSN 1553-345X.

(22) Folorunso, A. O., Adewuyi, S.A., Okojie, L. O. and **Bada, B. S.** (2014): Vulnerability of Crop Farmers to Climate Change Across Agro Ecological Zones of Oyo State, Nigeria. *Journal of Applied Agricultural Research* 6 (1): 99 - 108. Published by Agricultural Research Council of Nigeria, ISSN 2006 – 750X

^f(23) **Bada, B. S** and Fagbola, A. (2014): Effects of Arbuscular Mycorrhiza and Composted Market Waste on the Performance of Tiannug 1 Variety of Kenaf (*Hibiscus cannabinus* Linn.) *International Journal of Biological and Chemical Sciences* 8(3): 1151 – 1164. Published by International Formulae Group, Faculty of Science, University of Dschang, Cameroon. Available online at <http://ajol.info/index.php/ijbcs> ISSN 1991-8631 (Print), ISSN 1997-342X (Online)

(24) Obuotor, T. M., Akande, O. A. and **Bada, B. S** (2015): Effect of inorganic fertilizer on the microbial degradation of diesel polluted soil in Abeokuta, Nigeria. *Journal of Applied Science and Environmental Management* 19(4): 591 – 594. Published by Faculty of Science, University of Port Harcourt, Nigeria. Available online at www.ajol.info and www.bioline.org.br/ja ISSN 1119-8362 (Online)

(25) **Bada, B. S** (2015): Bioremediation of textile effluent polluted soil using Kenaf (*Hibiscus cannabinus* Linn.) and composted market waste *Journal of Applied Science and Environmental Management* 19(4): 771 – 776. Published by Faculty of Science, University of Port Harcourt, Nigeria, Available online at www.ajol.info and www.bioline.org.br/ja ISSN 1119-8362 (Online).

(26) **Bada, B. S** (2015): Performance of Cuba 108 variety of Kenaf (*Hibiscus cannabinus* Linn.) as affected by arbuscular mycorrhiza and organo-chemical fertilizers *African Journal of Agriculture, Technology and Environment* 4(2): 1 – 14. Published by Faculty of Agriculture, University of Port Harcourt, Nigeria.

(27) Obuotor, T. M., Akande, O. A. and **Bada, B. S** (2016): Biodegradation potential of organic fertilizer on diesel polluted soil. *Science Focus: An International Journal of Biological and Physical Sciences* 21(2): 23 – 29. Available online at www.sciencefocus.com.ng ISSN 1596-7026 (Online). Published by Faculty of Pure and Applied Sciences, Ladoké Akintola University of Technology, Ogbomoso, Oyo State, Nigeria.

(28) **Bada, B. S.**, Udeogu, V. O., Adeofun, C. O., Badejo, A. A., Adedeji, H. O and Adekunle, A. A. (2016): Municipal wastes, disposal practices and impacts on water resources in Lafia, Nasarawa State. *Nigerian Journal of Ecology* 15(2): 1– 10. Published by Ecological Society of Nigeria. ISSN 1116-753X (Print).

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- ^f (67) Olatunde, K.A, Sarumi, M., Abdusalaam, S., **Bada, B. S.** and Oyebanji, F. (2021): Effect of Modified Septic Tank on Groundwater Quality around Federal University of Agriculture, Abeokuta, south-west Nigeria. *Applied Environmental Research*, 43(1):73-89. Indexed in Scopus and Scimago. Published by the Environmental Research Institute, Chulalongkorn University, Thailand. Available at <http://doi.org/10.35762/AER.2021.43.1.6>
- (68) Olatunde, K.A, Oyebola, J. A., **Bada, B. S.**, Taiwo, A. M. and Ojekunle, Z. O. (2021): Assessment of Heavy Metal Pollution of Wetland Soils in Ijokodo, Oyo State, Nigeria. *Journal of Meteorology and Climate Science* 19(1): 22-28
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- ^f (70) Towolawi, A. T., Oguntoke, O., **Bada, B. S.**, Adejuwon, J. O. and Ibrahim, S. B. (2023): Adaptation strategies of rainfed farmers to climate change across four States in Nigeria. *Journal of Bangladesh Agricultural University*, 21(1): 109 - 123.

Journal Article Accepted for Publication

- (71) Adeyeye, J. A., Akinyemi, O. D., Awomeso, J. A. and **Bada, B. S.** (2021): Geo-chemical investigation of groundwater salinity status in selected coastal areas of South Western Nigeria. *Sustainable Water Resources Management*, x(4): x-x. Published by Springer (Accepted 01-08-2021)

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(73) Towolawi, A. T., Oguntoke, O., **Bada, B. S.** and Adejuwon, J. O. (2022): Acceptance of Crop Management Strategies Across Four Rain-Fed Agricultural States in Nigeria. *Nigerian Journal of Crop Science* (Accepted March, 2022)

Conference Proceedings

^f(74) **Bada, B. S.**, Jacob, S., Yingsanga, P. and Jayachandran, P. (2016): Effects of different packing materials and storage conditions on quality of bell pepper. *Proceedings of 3rd Asian Food Safety and Security Association Conference held at Kiiit University, Bhubaneswar, India*, M. Suar, G. Dey, R. C. Ray and Uemura T. (Eds.) 61 -66. Published by Asian Food Safety and Security Association. ISSN No: 2306-2150

(75) **Bada B.S.**, Oyekunle, J. O. and Olatunde, K. A. (2013): Air Quality and Human Health Assessment in the Vicinity of Poultry Farm. *Proceedings 6th Annual Conference of the Institute of Ecology and Environmental Studies*, O. O. Awotoye, M. B. Adewole and Mathew O. J. (Eds.) 6: 61 -68. Published by Waltodany Visual Concepts.

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(79) **Bada, B. S.**, Oyewole O. A. and Sadiq K. I. (2008): Levels of Heavy Metals in Soil and Water Leaf (*Talinum triangulare*) Collected from Abandoned Dump Sites in Abeokuta, Nigeria. *Proceedings 1st West African Summit and 4th National Conference on Organic Agriculture* I. O. O. Aiyelaagbe, M. T. Adetunji. and Osei, S. A. (Eds.) 103-106. Published by GWP

10. MAJOR CONFERENCES ATTENDED WITH PAPERS READ

- (i) SETAC North America 35th Annual Meeting. At the Vancouver Convention Centre, Vancouver, BC, Canada, 9 – 13 November, 2014.

Paper presented: Bioremediation of Textile Effluent Polluted Soil using Kenaf (*Hibiscus cannabinus* Linn.) and Composted Market Waste

- (ii) 6th Annual Conference on Environment. At Obafemi Awolowo University, Ile-Ife, Nigeria. 25th – 27th June, 2013.

Paper presented: Air Quality and Human Health Assessment in the Vicinity of Poultry Farm

- (iii) 27th Annual International Conference on Soils, Sediments, Water and

Energy. At University of Massachusetts, Amherst, MA, USA. 17-20th October, 2011.

Paper presented: Characteristics of Soils and Heavy Metal Content of Vegetation in Oil Spill Impacted Land in Nigeria

- (iv) Special Conference on Ecorhizospherology and Soil Health. At University of Ibadan, Ibadan, Nigeria, 14th – 16th, 2011.

Paper presented: Phytoremediation Potential of Kenaf (*Hibiscus cannabinus* linn.) under Different Soil pH and Copper Concentrations

- (v) 33rd Annual Conference of Soil Science Society of Nigeria. At University of Ado-Ekiti, Ekiti State, Nigeria. 9-13th March, 2009.

Paper presented: Heavy Metal Levels of Soil and Vegetation in Vicinity of a Quarry Site

- (vi) 1st West African Summit on Organic Agriculture and 4th National Conference. At University of Agriculture, Abeokuta, Nigeria. 17-21 November, 2008.

Paper presented: Levels of Heavy Metals in Soil and Water Leaf (*Talinum triangulare*) Collected from Abandoned Dump Sites in Abeokuta, Nigeria

11. INFORMATION ON FELLOWSHIP, MASTER'S PROJECTS AND Ph.D THESIS SUPERVISED

Master's Dissertations Supervised

Title of Dissertation / Thesis	Name of Student	Date / Year of Commencement	Completed / On-going	Sole Collaborative Supervision
Spatial assessment of dumpsite effect on groundwater resources	Taiwo A. O. (PG10/0120)	2010	Completed	Co supervisor
Carbon sequestration potential of growing plant along roadsides in Abeokuta, Nigeria.	Oyegbami I. E. (PG11/0412)	2011	Completed	Major supervisor
Assessment of solid waste management and its environmental impact in Lafia Local Government Area of Nasarawa State, Nigeria.	Udeogu V. O. (PG11/0416)	2011	Completed	Major supervisor
Biodegradation of diesel oil polluted soil using <i>Saccharomyces</i> Spp and Nitrogen Phosphorus Potassium fertilizer	Taiwo B. L. (PG11/0497)	2011	Completed	Co supervisor
Comparative study on the effect of organic and inorganic nutrients on microbial degradation of diesel contaminated soil	Akande O. A. (PG 11/0474)	2011	Completed	Co supervisor
Water quality and public health risk assessment of an abandoned gold mine site in Igun-Ijesha, Osun State, Nigeria	Ayantobo O. O. (PG 11/0710)	2011	Completed	Co supervisor
Biodegradation of petroleum product polluted soils using pig manure.	Egbeja T. I. (PG12/0271)	2012	Completed	Major supervisor

Master's Dissertations Supervised (Continued)

Title of Dissertation / Thesis	Name of Student	Date / Year of Commencement	Completed / On-going	Sole Collaborative Supervision
Phytotoxicity and phytoremediation potential of kenaf (<i>Hibiscus cannabinus</i> Linn.) in diesel oil polluted soil using poultry manure.	Ogunyade S. G. (PG12/0275)	2012	Completed	Major supervisor
Biodegradation of diesel oil polluted soils using composted market waste.	Sowunmi A. I. (PG12/0281)	2012	Completed	Major supervisor
Bioremediation of textile dye effluent polluted soils using composted market waste	Adebajo O. M. (PG13/0379)	2013	Completed	Major supervisor
Phytoremediation of Heavy Metal Polluted Mining Site using Kenaf (<i>Hibiscus cannabinus</i> Linn.) and Sunflower (<i>Helianthus Annuus</i> Linn.)	Aloba F. O (PG13/0532)	2013	Completed	Major supervisor
Potential of sewage sludge as soil amendment using phytotoxicity and phytoextraction of African Spinach	Towolawi A. T. PG 09/0181	2013	Completed	Co supervisor

Estimation and mapping of soil organic carbon stocks in croplands/landcovers of FUNAAB, Abeokuta, Ogun State, Nigeria	Ayodeji M. T. PG 13//0419	2013	Completed	Co supervisor
Evaluation of seasonal variability and effect of atmospheric deposition on rainwater chemistry in Southwestern Nigeria	Musa A. N. PG 13/0354	2013	Completed	Co supervisor
Assessment of water, sanitation and hygiene (wash) interventions on intestinal Helminthiasis of communities in Aiyedade LGA, Osun State	Fafunwa T. S. PG 13/0352	2013	Completed	Co supervisor

Master's Dissertations Supervised (Continued)

Title of Dissertation / Thesis	Name of Student	Date / Year of Commencement	Completed / On-going	Sole Collaborative Supervision
Development of in-situ trans-esterification biodiesel production plant	Olaoluwa L. A. PG 13/0746	2013	Completed	Co supervisor
Metal speciation and health risk assessment of soil and jute mallow (<i>corchorus olitorus</i>) collected from a farm settlement in ikorodu, Lagos state	Makanjuola O. (PG14/0048)	2014	Completed	Major supervisor
Organochlorine pesticide residues in soils and its potential health risk assessment in vegetables from Iyana-Iba farm settlement, Lagos State	Adetunji O. W. (PG14/0521)	2014	Completed	Major supervisor
Synthesis and characterization of chitosan-azo dye-ruthenium complexes as chemosensor for selected anions	Ejeromedoghene O. PG 14/0539	2014	Completed	Co supervisor
Ecosystem integrity and species keystones in Lekki Lagoon, South-west Nigeria	Oguntuase K. E. (PG14/0094)	2014	Completed	Co supervisor
Effect of industrial pollution on health and production efficiency among farm households around cement factories in Ogun State, Nigeria	Adeleke E. A. (PG14/0121)	2014	Completed	Co supervisor
Analysis of radionuclides and heavy metals concentration in pit soil of some quarry site within Abeokuta, Ogun State	Jegede O. A. (PG 14/0065)	2014	Completed	Co supervisor
Organochlorine pesticide residues in soils and its potential health risk assessment in rice from a farm settlement, Ogun State	Aderibigbe T. F. PG 14/0822	2014	On going	Major supervisor
Distribution of naturally occurring radionuclide and mineralogical characterization of the soil in Ijebu-Ife, Ogun State, Nigeria	Olagbaju P. O. PG14/0528	2014	Completed	Co supervisor

Master's Dissertations Supervised (Continued)

Title of Dissertation / Thesis	Name of Student	Date / Year of Commencement	Completed / On-going	Sole / Collaborative Supervision
Phosphorus forms and sorption characteristics of the soils of major geological formations in Ogun State	Kadiri B. A. PG 14/0535	2014	Completed	Co supervisor
Assessment of carbon stock in top soil and above ground biomass of <i>Naucla diderrichi</i> , <i>Cassia siamea</i> and <i>Pinus caribaea</i> plantation, at J4, Omo Forest Reserve	Okoh B. O. PG 14/0689	2014	Completed	Co supervisor
Impact of oil spillage on livelihood of artisanal fishing households in Riverine communities of Delta State, Nigeria	Numa W. D. PG 14/0063	2014	Completed	Co supervisor
Effect of climate change on maize production and influence of adaptation strategies on technical efficiency of maize based-farmers in Ekiti State	Arojo O. A. PG 14/0558	2014	Completed	Co supervisor
Economics of food waste among urban households in Ibadan metropolis, Oyo State	Salam A. PG 14/0120	2014	Completed	Co supervisor
Land suitability assessment for some agricultural food and fruit crops using geospatial-technologies in Alabata (FUNAAB), Abeokuta	Adegbesan O. PG 15/0155	2015	On-going	Co supervisor
Hydrogeophysical exploration and groundwater quality assessment of Obada-Oko, Southwestern Nigeria	Salawu A. O. (PG 15/0121)	2015	Completed	Co supervisor
Antinutritive factors in fluted pumpkin (<i>Telaira occidentalis</i>) as influenced by fertilizer types and levels	Aibangbe M. O. (PG15/0030)	2015	On going	Major supervisor
Phytoremediation of crude oil-contaminated soil using Haemorrhage plant (<i>Aspilia Africana</i>), Siam weed (<i>Chromolaena odorata</i>) and broiler litter biochar	Kolawole O. M. (PG15/0151)	2015	On going	Major supervisor

Master's Dissertations Supervised (Continued)

Title of Dissertation / Thesis	Name of Student	Date / Year of Commencement	Completed / On-going	Sole / Collaborative Supervision
Radioactive elements in soil and vegetation from dumpsites in Ogun State, Nigeria	Osinaike O. M. (PG15/0346)	2015	On going	Major supervisor
Assessment of the agroclimatic environment of maize and sorghum production in the North Central States of Nigeria	Uzokuwu C. I. PG 15/0527	2015	Completed	Co supervisor
Conventional and insitu methods of biodiesel production from three varieties of mangoes	Edward M. O. (PG 16/0405)	2016	Completed	Major supervisor

Profile distribution and source identification of heavy metal in soils from two selected mechanic villages in Abeokuta, Ogun State	Oni A. PG 16/0232	2016	On-going	Major
Ecosystem status and fisheries resources of Shagari Reservoir, Sokoto, Nigeria	Usman M. M. PG 16/0057	2016	On-going	Co supervisor
Performance and phytoremediation potential of <i>Pennisetum purpureum</i> and <i>Brachiaria mulato</i> in heavy metal polluted soil	Adenekan O. O. PG 17/0287	2017	On-going	Major
Conversion of agro-allied wastes to energy using biogas technology	Abayomi R. E. PG 17/0065	2017	On-going	Major
Phytoremediation of fish farm effluents using <i>Eichornia crassipes</i> (Water Hyacinth) and <i>Pista Stratiotes</i> (Water Lettuce)	Pewon O. S. PG 17/0297	2017	On-going	Co supervisor
Phytoremediation potentials of forage crops in heavy metal polluted soil	Akinyemi A. T. PG 18/0497	2018	On-going	Major

Master's Dissertations Supervised (Continued)

Title of Dissertation / Thesis	Name of Student	Date / Year of Commencement	Completed / On-going	Sole / Collaborative Supervision
Classification, quantification and characterisation of soild waste generated in selected markets of Abeokuta metropolis, Ogun State	Ogunyemi B. O. PG 18/0376	2018	On-going	Major
Toxicological risk assessment of metals in fruits from Abeokuta, Southwestern Nigeria	Olowookere A. Z. PG 18/0279	2018	On-going	Co supervisor

Ph. D. Thesis Supervised

Title of Dissertation / Thesis	Name of Student	Date / Year of Commencement	Completed / going
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Phytoremediation potentials of vetiver and kenaf in crude oil polluted soils and evaluation of the pulping potential of kenaf	Onyema N. P. PG 12/0262	2012	On going
Bioremediation of crude oil polluted soil using composted organic wastes	Ezennia O. J. PG 13/0228	2013	Completed
Phytoremediation of e-waste polluted soil using kenaf and vetiver	Lawal S. A. PG 13/0693	2013	On going
Assessment of groundwater and agricultural soil salinity using geochemical analysis in selected coastal area of Southwestern Nigeria	Adeyeye J. A. PG 08/0158	2014	Completed
Environmental and toxicology assessment of atrazine usage in Nasarawa State, North Central Nigeria	Udeogu V. O. (PG14/0521)	2014	Completed
Phytoremediation of heavy metal polluted soil using kenaf, sunflower and kenaf	Mapayi T. T. PG 15/0561	2015	On going
Studies on the Antidyslipidemic, Antioxidative activities of <i>Calliandra portoricensis</i> root bark and leaf extracts in drugs and high fat diet induced dyslipidemic rat model	Siemuri O. E.	2015	On going
Co-digestion of animal dungs, water hyacinth, palm oil effluent for biogas production	Bakare A. W. PG 15/0433	2015	On going

Ph. D. Thesis Supervised (Continued)

Title of Dissertation / Thesis	Name of Student	Date / Year of Commencement	Completed / Ongoing
Comparative assessment of synthetic chemicals and biopesticides in the control of field and post-harvest losses of selected crops	Lasisi S. A. (PG 16/0515)	2016	On going
Spatial epidemiology of soil transmitted Helminth infections and assessment of water, sanitation and hygiene resources in Ogun State, Nigeria	Mogaji H. O. (PG 12/0390)	2016	Completed
Biogas production from anaerobic co-digestion of animal and plant wastes: performance evaluation of fixed dome and floating drum type digesters	Ojetokun O. T. (PG 14/0048)	2017	Completed
Environmental and social impact of pastoralism in three selected Local Government Areas of Kogi State, Nigeria	Egbeja T. I. (PG12/0271)	2018	On going
Environmental and toxicological evaluation of Glyphosate residues in soil, water and crops from selected farms in Oke-Ogun, Oyo and Ibadan Zones of Oyo State	Ayoola R. T. PG 14/0006	2018	On going

Ph. D. Thesis Supervised (Continued)

Title of Dissertation / Thesis	Name of Student	Date / Year of Commencement	Completed / Ongoing

	Name of Student	Commencement	going
Effects of loading rates and co-digestion of fruit wastes, vegetable wastes and cow dung on biogas production	Adu A. A. PG 18/0504	2018	On going
Application of humic acid in phytoremediation of petroleum hydrocarbon polluted soil in a flood area using <i>Phragmites communis</i>	Adeyemi A. A. PG 16/0023	2019	On going
Sequential treatment of tertiary hospital wastewater using oxidation pond and surface flow constructed wetland	Adebowale S. O. PG 15/0035	2019	On going