

**MITIGATION OF FLOOD DAMAGE TO URBAN AGRICULTURE IN SIERRA LEONE USING CLIMATE-SMART STRATEGIES**

**ANNEX 1: Curriculum Vitae (CV)**

**i). PRINCIPAL INVESTIGATOR (PI)**

**ING. DR. JUANA PAUL MOIWO**

**PERSONAL DETAIL**

1. FULL NAME: Juana Paul Moiwo
2. DATE OF BIRTH: 15th October, 1973
3. MAILING ADDRESS: NH16, SSQ, Njala Campus, Njala University
4. NATIONALITY: Sierra Leonean
5. PLACE OF BIRTH: Kailahun District, Sierra Leone
6. SEX: Male
7. MARITAL STATUS: Married
8. DEPARTMENT AND SCHOOL: Department of Agricultural Engineering, School of Technology, Njala University
9. APPOINTMENT
  - (a) Date: 21st July, 2015
  - (b) Designation: Lecturer 1
  - (c) Promotion: Senior Lecturer
10. SALARY SCALE AND PRESENT SALARY: Scale 3, Point 1, and Le 228,336.00 per annum
11. GRADE TO WHICH PROMOTION IS SOUGHT: Associate Professor

**QUALIFICATION**

- a). Academic Qualifications (with dates and granting bodies)
  1. 2010–2013 — Post-PhD in Hydrology and Water Resources Engineering, Chinese Academy of Sciences, China.
  2. 2002–2006 — PhD in Hydrology and Water Resources Engineering, Jilin University, China.
  3. 1998–2002 — MSc in Environmental Engineering, Jilin University, China.
  4. 1989–1993 — BSc (HONS) in Agricultural Extension (22), Njala University College, University of Sierra Leone.

**PROFESSIONAL QUALIFICATION**

1. 2019 — Utility Regulation and Strategy — Organized by PURC/World Bank, University of Florida, Gainesville, USA.
2. 2019 — APMG International Training, APMG Certified PPP Professional® (CP3P®) Foundation Examination.

3. 2018 — Resources Mobilization — Organized by Sierra Leone Urban Research Centre, Freetown.
4. 2018 — University Curriculum Development and Teaching — Organized by Strategic Partnership for Higher Education Innovation and Reform (SPHEIR), implemented under Assuring Quality in Higher Education in Sierra Leone (AQHEd-SL), Njala University. (Appx 008; not available)

### TEACHING / PROFESSIONAL EXPERIENCE

1. 2015–2023 — Lecturer, Njala University, Sierra Leone; Appointment Letter.
2. 2006–2014 — Research Fellow, Chinese Academy of Sciences, China.
3. 2010–2018 — Editor, Chinese Journal of Eco-Agriculture.
4. 1993–1998 — Program Officer, Organization for Research and Extension of Intermediate Technology (OREINT), Freetown, Sierra Leone.

### PUBLISHED JOURNAL ARTICLES

1. Qingtao Ma, Yonghui Yang, Zhuping Sheng, Shumin Han, Yanmin Yang, Juana Paul Moiwo (2022). Hydro-economic model framework for achieving groundwater, food and economy trade-offs by optimizing crop patterns. *Water Research*, (SCI Journal), ISSN 0043-1354. <https://doi.org/10.1016/j.watres.2022.119199>.
2. Suluku Roland, Emikpe Benjamin, Bagla V. Patrick, Moiwo Juana, Asare Derrick (2022). Seroprevalence and predisposing factors of rabies antibodies in unvaccinated dogs in Sierra Leone. *Veterinary Medicine Science*, (SCI Journal), ISSN 2053-1095: 1–6. <https://doi.org/10.1002/vms3.946>.
3. Kiasheng Luo, Juana P. Moiwo (2022). Rapid monitoring of abandoned farmland and information regulation achievements of government based on remote sensing technology. *Environmental Science & Pollution*, (SCI Journal), ISSN: 1462-9011. <https://doi.org/10.1016/j.envsci.2022.02.019>.
4. Kiasheng Luo, Juana P. Moiwo (2021). Comparison of two object-oriented technologies for detecting land use change. *Arab Journal of Geoscience*, 14, 20 (2021), (SCI Journal), <https://doi.org/10.1007/s12517-020-06307-5>.
5. Mohamed M. Blango, Richard A. C. Cooke, Juana P. Moiwo, Patrick A. Sawyerr, Emmanuel Kangoma (2020). Rainwater harvesting for supplemental irrigation under tropical inland valley swamp conditions. *Irrigation and Drainage*, (SCI Journal), ISSN: 1531–0361.
6. Juana P. Moiwo, Alusine Wahab, Emmanuel Kangoma, Mohamed M. Blango, Mohamed P. Ngegba, Roland Suluku (2019). Effect of biochar application depth on crop productivity under tropical rainfed conditions. *Applied Sciences*, (SCI Journal), ISSN: 2076–3417, DOI:10.3390/app9132602.

7. Mohamed M. Blango, Richard A. C. Cooke, Juana P. Moiwo (2019). Effect of soil and water management practices on crop productivity in tropical inland valley swamps. *Agricultural Water Management*, (SCI Journal), ISSN: 0378–3774, DOI:10.1016/j.agwat.2019.05.036.
8. Luo Kaisheng, Li Bingjuan, Juana P. Moiwo (2018). Monitoring land-use/land-cover changes at a provincial large scale using an object-oriented technique and medium-resolution remote-sensing images. *Remote Sensing*, (SCI Journal), ISSN: 2072-4292, DOI:10.3390/rs10122012.
9. Mohamed P. Ngegba, Patrick Moriba, cJoseph B. A. Kande, Juana P. Moiwo, Saffa B. Massaquoi (2018). Assessing efficiency of Action Aid Sierra Leone (AASL) extension services in Sierra Leone, *International Journal of Agricultural Extension*, (Academic Journal), ISSN: 2311–6110, 06(02), 129–138.
10. Roland Suluku, Abu Macavoray, Juana P. Moiwo, Bashiru M. Koroma (2018). Effect of PPR disease on socio-economic characteristics of farmers in Moyamba District, Sierra Leone. *Agricultural Science Research Journal*, (Academic Journal), ISSN: 2026–6073.
11. Luo Kaisheng, Tao Fulu, Juana P. Moiwo (2018). Transfer of virtual water of woody forest products from China. *Sustainability*, (SCI Journal), ISSN: 2071–1050, DOI:10.3390/su10020410.
12. Dengpan Xiaoa, Yanjun Shen, Yongqing Qi, Juana Paul Moiwo, Leilei Min, Yucui Zhang, Ying Guo, Hongwei Pei (2017). Impact of alternative cropping systems on groundwater use and grain yields in the North China Plain Region. *Agricultural Systems*, (SCI Journal), ISSN: 1873–2267, DOI: 10.1016/j.agry.2017.01.018.
13. Emmanuel Kangoma, Mohamed M. Blango, Augustine B. Rashid-Noah, Joseph Sherman-Kamara1, Juana P. Moiwo, Alie Kamara (2017). Potential of biochar-amended soil to enhance crop productivity under deficit irrigation. *Irrigation and Drainage*, (SCI Journal), ISSN: 1531–0361, DOI: 10.1002/ird.2138.
14. Juana P. Moiwo, Yahaya K. Kawa, John P. Kaisam, Umu Lamboi (2016). Implications of groundwater depletion for aquifer geomatrix deformation and water availability. *Hydrology*, (Academic Journal), ISSN: 2330–7609, DOI: 10.11648/j.hyd.20160405.11.
15. Dengpan Xiao, Yongqing Qi, Zhiqiang Li, Rende Wang, Juana P. Moiwo, Fengshan Liu (2017). Impact of thermal time shift on wheat phenology and yield under warming climate in the Huang-Huai-Hai Plain, China. *Frontiers of Earth Science*, (SCI Journal), ISSN: 2095-0209, DOI 10.1007/s11707-016-0584-1.
16. Kaisheng Luo, Fulu Tao, Juana P. Moiwo, Dengpan Xiao (2016). Attribution of hydrological change in Heihe River Basin to climate and land use change in the past three decades. *Scientific Reports*, (SCI Journal), ISSN: 2045–2322, doi:10.1038/srep33704.
17. Kaisheng Luo, Fulu Tao, Xiangzheng Deng, Juana P. Moiwo (2017). Changes in potential evapotranspiration and surface runoff in 1981–2010 and the driving factors in Upper Heihe

- River Basin in Northwest China. *Hydrological Processes*, (SCI Journal), ISSN: 1099–1085, DOI: 10.1002/hyp.10947.
18. John P. Kaisam, Yahaya K. Kawa, Juana P. Moiwo, Umu Lamboi (2016). State of well water quality in Kakua Chiefdom, Sierra Leone. *Water Science & Technology: Water Supply*, (SCI Journal), ISSN: 0273–1223, DOI: 10.2166/ws.2016.049.
  19. Yahaya K. Kawa, John P. Kaisam, Juana P. Moiwo, Victoria Kabia (2016). Physical, chemical and bacterial analysis of drinking water: Kakua Chiefdom, BO district, Sierra Leone. *International Journal of Water Resources and Environmental Engineering*, (Academic Journal), ISSN: 2141-6613, DOI: 10.5897/IJWREE2015.0610.
  20. Juana P. Moiwo, Fulu Tao (2015). Satellite signal shows storage-unloading subsidence in North China. *Hydrology and Earth Systems Sciences*, (SCI Journal) ISSN: 1607-7938, DOI:10.5194/hessd-12-6043-2015.
  21. Dengpan Xiao, Yanjun Shen, He Zhang, Juana P. Moiwo, Yongqing Qi, Rende Wang, Hongwei Pei, Yucui Zhang, Huitao Shen (2015). Comparison of winter wheat yield sensitivity to climate variables under irrigated and rain-fed conditions. *Frontiers of Earth Science*, (SCI Journal), ISSN: 2095-0209, DOI 10.1007/s11707-015-0534-3.
  22. Alhaji M. H. Conteh, Juana P. Moiwo, Xiangbin Yan (2015). Using a logistic regression model to analyze alley farming adoption factors in Sierra Leone. *Small-scale Forestry*, (SCI Journal), ISSN: 1873-7854, DOI: 10.1007/s11842-015-9311-0.
  23. Dengpan Xiao, Yongqing Qi, Yanjun Shen, Fulu Tao, Juana P. Moiwo, Jianfeng Liu, Rede Wang, He Zhang, Fengshan Liu (2015). Impact of warming climate and cultivar change on maize phenology in the last three decades in North China Plain. *Theory and Applied Climatology*, (SCI Journal), ISSN: 0177-798X, DOI: 10.1007/s00704-015-1450-x.
  24. Alhaji M. H. Conteh, Xiangbin Yan, Juana P. Moiwo (2015). The determinants of grain storage technology adoption in Sierra Leone. *Cashier Agriculture*, (SCI Journal), ISSN: 1166-7699, DOI: 10.1684/agr.2015.0733.
  25. Juana P. Moiwo, Fulu Tao (2014). Evidence of Land-use Controlled Water Storage Depletion in Hai River Basin, North China. *Water Resources Management*, (SCI Journal), ISSN: 1573-1650, DOI: 10.1007/s11269-014-0772-2.
  26. Juana P. Moiwo, Fulu Tao (2014). Contributions of precipitation, irrigation and soil water to evapotranspiration in (semi)-arid regions. *International Journal of Climatology*, (SCI Journal), ISSN: 1097-0088, DOI: 10.1002/joc.4040.
  27. Dengpan Xiao, Juana P. Moiwo, Fulu Tao, Yonghui Yang, Yanjun Shen, Quanhong Xu, Jianfeng Liu, He Zhang, Fengshan Liu (2013). Spatiotemporal variability of winter wheat phenology in response to weather and climate variability in China. *Mitigation and Adaptation Strategies for Global Change*, (SCI Journal), ISSN: 1573-1596, DOI: 10.1007/s11027-013-9531-6.

28. Juana P. Moiwo, Fulu Tao (2014). Groundwater recharge and discharge analysis for land use conditions suitable for the hydrology and ecology of semiarid regions. *Hydrology Research*, (SCI Journal), ISSN: 0029-1277, DOI: 10.2166/nh.2013.103.
29. Juana P. Moiwo, Fulu Tao (2012). The changing dynamics in citation index publication position China in a race with the USA for global leadership. *Scientometrics*, (SCI Journal), ISSN: 0138–9130, DOI: 10.1007/s11192-012-0846-y.
30. Juana P. Moiwo, Fulu Tao, Wenxi Lu (2012). GRACE, GLDAS and measured groundwater data products show water storage loss in Western Jilin, China. *Water Science & Technology*, (SCI Journal), ISSN: 0273–1223, DOI: 10.2166/wst.2012.053.
31. Juana P. Moiwo, Fulu Tao, Wenxi Lu (2012). Analysis of satellite-based and in situ hydro-climatic data depicts water storage depletion in North China Region. *Hydrological Processes*, (SCI Journal), ISSN: 1099–1085, DOI: 10.1002/hyp.9276.
32. Dengpan Xiao, Fulu Tao, Juana P. Moiwo (2011). Research progress on surface albedo under global climate change. *Advances in Earth Science*, (SCI Journal), ISSN: 1001–8166. Vol. 2012, No. 11, pp 1217–1224.
33. Juana P. Moiwo, Fulu Tao, Wenxi Lu (2011). Estimating soil moisture storage change using quasi-terrestrial water balance method. *Agricultural Water Management*, (SCI Journal), ISSN: 0378–3774, DOI: 10.1016/j.agwat.2011.10.003.
34. Shumin Han, Yonghui Yang, Tong Fan, Dengpan Xiao, Juana P. Moiwo (2011). Precipitation-runoff processes in Shimen hillslope micro-catchment of Taihang Mountain, north China. *Hydrological Processes*, (SCI Journal), ISSN: 1099–1085, DOI: 10.1002/hyp.8233.
35. Juana P. Moiwo, Yonghui Yang, Fulu Tao, Wenxi Lu, Shumin Han (2011). Water storage change in the Himalayas from GRACE and an empirical climate model. *Water Resources Research*, (SCI Journal), ISSN: 0043–1397, DOI: 10.1029/2010WR010157.
36. Juana P. Moiwo, Yonghui Yang, Shumin Han, Wenxi Lu, Nana Yan, Bingfang Wu (2010). A method for estimating soil moisture storage in regions under water stress and storage depletion — a case study of Hai River basin, North China. *Hydrological Processes*, (SCI Journal), ISSN: 1099–1085, DOI: 10.1002/hyp.7991.
37. Juana P. Moiwo, Yonghui Yang, Nana Yan, Bingfang Wu (2010). Comparison of evapotranspiration estimated by ETWatch with that derived from combined GRACE and measured precipitation in Hai River Basin, North China. *Hydrological Sciences Journal*, (SCI Journal), ISSN: 2150–3435, DOI: 10.1080/02626667.2011.553617.
38. Yukun Hu, Juana P. Moiwo, Yonghui Yang, Shumin Han, Yanmin Yang (2010). Agricultural water-saving and sustainable groundwater management in Shijiazhuang Irrigation District, North China Plain. *Journal of Hydrology*, (SCI Journal), ISSN: 0022–1694, DOI: 10.1016/j.jhydrol.2010.08.017.

39. Fei Tian, Yonghui Yang, Shumin Han, Juana P. Moiwo, Guoyu Qiu (2010). Determination of the period of major runoff decline and related driving factors in Ye River basin, North China. *Journal of Water and Climate Change*, (SCI Journal), ISSN: 2040–2244, DOI: 10.2166/wcc.2010.001.
40. Yanmin Yang, Yonghui yang, Juana Paul Moiwo, Yukun Hu (2010). Estimation of irrigation requirement for sustainable water resources reallocation in North China. *Agricultural Water Management*, (SCI Journal), ISSN: 0378–3774, DOI: 10.1016/j.agwat.2010.06.002.
41. Juana Paul Moiwo, Yonghui Yang, Huilong Li, Shumin Han, Yanmin Yang (2010). Impact of water resource exploitation on the hydrology and water storage in Baiyangdian Lake. *Hydrological Processes*, (SCI Journal), ISSN: 1099–1085, DOI: 10.1002/hyp.7716.
42. Juana Paul Moiwo, Wenxi Lu, Yongsheng Zhao, Yonghui Yang, Yanmin Yang (2009). Impact of land use on distributed hydrological processes in the semi-arid wetland ecosystem of Western Jilin. *Hydrological Processes*, (SCI Journal), ISSN: 1099–1085, DOI: 10.1002/hyp.7503.
43. Juana Paul Moiwo, Yonghui Yang, Huilong Li, Shumin Han, Yukun Hu (2009). Comparison of GRACE with in situ hydrological measurement data shows storage depletion in Hai River Basin of Northern China. *Water SA.*, (SCI Journal), ISSN: 18166–7950, Vol. 35, No. 5, pp 663–670.
44. Shumin Han, Yonghui Yang, Yuping Lei, Changyuan Tang, Juana Paul Moiwo (2008). Seasonal groundwater storage anomaly and vadose zone soil moisture as indicators of precipitation recharge in the piedmont region of Taihang Mountain, North China Plain. *Hydrological Research*, (SCI Journal), ISSN: 0029-1277, DOI: 10.2166/nh.2008.117.
45. Juana Paul Moiwo (2006). Spatial analysis of the impact of land-use on surface runoff and soil erosion — A case study of western Jilin. *Journal of Geoscientific Research in Northeast Asia*, (Academic Journal), Vol. 9, No. 1, pp 83–96 (东北亚地学研究英文版).
46. Juana Paul Moiwo (2006). Impact of land-use patterns on distributed groundwater recharge and discharge — a case study of western Jilin. *Chinese Geographical Science*, (Academic Journal), Vol. 16, No. 3, pp 229–235 (中国地理科学, 英文版).
47. Juana Paul Moiwo (2003). The effect of flow on pollution and remediation of groundwater. *Journal of Geoscientific Research in Northeast Asia*, (Academic Journal), Vol. 6, No. 2, pp 183–190 (东北亚地学研究, 英文版).
48. Juana Paul Moiwo (2001). Porosity, dispersity, and contaminant transport in groundwater. *Journal of Geoscientific Research in Northeast Asia*, (Academic Journal), Vol. 4, No. 2, pp 192–199 (东北亚地学研究, 英文版).

**REFERENCED BOOK CHAPTERS**

1. Mohamed M. Blango, Richard A. Cooke, Juana P. Moiwo, Emmanuel Kangoma (2022). Modeling the effect of climate change on water stored above a micro-dam in an inland valley swamp in Sierra Leone using SWAT. Challenges in Agro-Climate and Ecosystem, ISBN: 978-1-80355-325-2, DOI:10.5772/intechopen.104894.
2. Juana P. Moiwo, Yahaya K. Kawa, Alhaji M. H. Conteh (2022). Sustainability of water resources and agricultural production in semi-arid regions. Research Aspects in Biological Science, Vol. 6, B. P. International, ISBN: 978-93-5547-778-1, DOI: 10.9734/bpi/rabs/v6.
3. Juana P. Moiwo, Mohamed M. Blango, Yahaya K. Kawa, Alhaji M. H. Conteh (2022). Potential for sustainable irrigation towards food self-sufficiency in Sierra Leone. Emerging Challenges in Agriculture and Food Science, Vol. 3, 25 January 2022, Page 99-106, ISBN: 978-93-5547-020-1, DOI: 10.9734/bpi/ecafs/v3/2463C.
4. Juana P. Moiwo, Yahaya K. Kawa, Alhaji M. H. Conteh, John P. Kaisam (2021). Effects of unloading groundwater on aquifer storage and water availability. Current Advances in Geography, Environment and Earth Science, Vol. 1, 11 December 2021, Page 64–73, ISBN: 978-93-5547-094-2, DOI: 10.9734/bpi/cagees/v1.
5. Yonghui Yang, Jing Fan, Yukun Hu, Juana Moiwo. Sustainability of water-use and food production in Haihe Catchment, pp 231. Sustainability in Food and Water — An Asian Perspective, 2010, XIV, 466 p, Hardcover, ISBN: ISBN: 978-90-481-9914-3.

**HIGHER DEGREE RESEARCH SUPERVISION****i). PHD THESIS**

1. Steven B. Mattia (2019). Assessment of the structure, carbon stock and species diversity of forests in Moyamba District, Sierra Leone.
2. Roland Suluku (2018). Dog ownership pattern, current rabies status and one health approach in Sierra Leone.
3. Yukun Hu (2008). Agricultural water-use and groundwater dynamics in the piedmont landscape of Taihang Mountain.

**ii). MSc Dissertation**

1. Thomas Sesay (2021). Effect of upstream water management on downstream communities in Alama Micro-catchment in Port Loko District, Sierra Leone.
2. Sahr Lebbie (2021). Assessment of sachet (packaged) water quality in Kono District, Sierra Leone.
3. Joseph Bangura (2021). Impact of irrigation scheme on income and livelihood of rural farmers in Mabilowfu Community in Bombali District, Sierra Leone.



4. Augustine S. Cole (2021). Land-use and landslide incidence in Motormeh Community in Rural Freetown, Sierra Leone.
5. Amara E. Jambai (2021). Impact of water scarcity on socio-economic development of Wilberforce Region of Urban Freetown.
6. Michael Kamara (2020). Variations in NERICA-4 rice yield productivity with increasing seedling stand rate under tropical rainfed conditions.
7. Mabel Y. Pratt (2020). Evaluation of Guma Valley Water Company water supply distribution network in Regent Village, Western Sierra Freetown.
8. Luck Koker (2020). Impact of inland valley swamp development on rice productivity and rural livelihood in Bo District, Southern Sierra Leone.
9. John V. Tarawally (2019). Safety and Sustainability Analysis of Municipal Solid Waste Management at Whein Town Landfill in Monrovia, Liberia.
10. Jah E. Toby (2019). Impact of Sierra Leone Water Company (SALWACO) solar-powered boreholes on local communities along Freetown-Masiaka highway.
11. David M. Abou (2019). Analysis of drinking well water quality in Samamie Section of Bo City, Southern Sierra Leone.
12. Salamattu B. Kargbo (2019). Characterization of diurnal variations in PM<sub>2.5</sub> and PM<sub>10</sub> particulate emissions at Bumeh Landfill in Freetown, Sierra Leone.
13. Osman A. Kanu (2019). Land evaluation for integrated agriculture and water resources management — A case study of Kono District, Eastern Sierra Leone.
14. Mickail N. Turay (2019). Assessment of non-pipe-borne drinking water sources in Grafton Community and role of Sierra Leone Standards Bureau (SLSB) in quality compliance.
15. Matilda M. Moiwo (2019). Effect of artisanal gold mining on surface water quality — A case study of Laminia Village, Sanda Loko Chiefdom, Sierra Leone.
16. Abubarkarr Swaray (2019). Treatment profile of Guma-Valley Water Company pipe-borne drinking water supply in Freetown, Sierra Leone.
17. Emmanuel Kangoma (2016). Response of potted rice to deficit irrigation and biochar treatment under greenhouse conditions.

## RESEARCH / PROJECTS FUNDS

I attracted research funds/projects for 8 consecutive years as hydrologist in the Chinese Academy of Sciences (CAS). Please see below and also printed documents.

1. Post-doctoral Program for African Researchers of China-Africa Science and Technology Partnership Program (CASTEP).
2. China Post-Doctoral Science Foundation.

## PROJECT / CONSULTANCY REPORTS



1. Juana P. Moiwo (2021) — Training Manual on Vegetable & Rice Cultivation through Climate-smart Agricultural Practices.
2. Mohamed M. Blango, Juana P. Moiwo and Morison Lahai (2019) — Rural Women's Access to Information, Productive Resources and Services, TRŌCAIRE, Sierra Leone. Report is yet to be written (on-going).
3. Juana P. Moiwo (2019) — Contract for consultancy services for project peer review of the science fund of the Republic of Serbia.

## PROFESSIONAL ACTIVITIES

### A). NATIONAL / INTERNATIONAL PROFESSIONAL ASSOCIATION

1. 2010–2014 — Post-Doctoral Research Fellow, Institute of Geographical Sciences and Natural Resources Research, Chinese Academy of Sciences, Beijing, China.
2. 2006 — Expert Hydrologist, Centre for Agricultural Resources Research, Institute of Genetics and Developmental Biology, Chinese Academy of Sciences, Shijiazhuang, China.
3. 2007–2010 — Head of Post-Graduate Research Unit, Centre for Agricultural Resources Research, Institute of Genetics and Developmental Biology, Chinese Academy of Sciences, Shijiazhuang, China.
4. 2008–2010 — Foreign Expert, Institute of Genetics and Developmental Biology, Chinese Academy of Sciences, Shijiazhuang, China.

### B). PROFESSIONAL BODY MEMBERSHIP

1. 2019–2023 — Member of Sierra Leone Institute of Engineers.
2. 2001–2023 — Member of the European Geosciences Union.

### C). REPUTABLE JOURNAL EDITORSHIP

1. 2022–2023 — Editor, Frontiers in Irrigation.
2. 2022–2023 — Editor, Frontiers in Agronomy.
3. 2010–2023 — Editor of Chinese Journal of Eco-Agriculture.

### D). REPUTABLE JOURNAL REVIEWERSHIP

1. Ecological modelling
2. Journal of Hydrology
3. Agricultural Water Management
4. Global and Planetary Change
5. Ecological Engineering
6. Applied Geography
7. Science of the Total Environment
8. Ecological Indicators

9. Computers and Electronics in Agriculture
10. Field Crops Research

#### **ADMINISTRATIVE EXPERIENCE**

1. 2020–2022 — Acting Dean, School of Technology, Njala University.
2. 2022–2023 — Acting Director, Research and Development, Njala University.

#### **UNIVERSITY / PUBLIC SERVICE (UPS)**

##### **A). APPOINTMENT AS MEMBER OF UNIVERSITY COMMITTEES / AD HOC AND STATUTORY BOARDS / SERVICE AT FACULTY LEVEL / HALL WARDEN, ETC.)**

1. 2018 — Hall Warden for Block A, Njala Campus, Njala University.
2. 2018–2019 — School Representative to Njala University Senate.
3. 2018–2019 — Chairman, Research & Publication Committee, School of Technology, Njala University.
4. 2018–2019 — Secretary, Agri-Food Taskforce, Njala University.
5. 2019 — External Examiner, School of Natural Resources, Njala University.
6. 2019 — Chairman, Bribery & Extortion Investigation Committee.
7. 2019–2022 — Member, ASA Governance Committee.
8. 2020 — Chairman, Njala Energy Committee.
9. 2020 — Member, Court Committee on Njala Campus Disciplinary Committee.
10. 2020 — Chairman, Evaluation Committee of University International & Experimental Schools, Njala Campus.
11. 2020 — Member, Njala University Bailout Committee.
12. 2021 — Chairman, Masters Block Investigation Committee, Njala Campus.
13. 2021 — Member, Campus Disaster Management & Hostels Privatization Initiative Committee.
14. 2022 — Member, Cyber Fraud Investigation Committee.
15. 2022 — Member, Committee to Investigate Disclosure of External Examiner's Report, School of Agriculture.
16. 2022 — Chairman, Committee to Evaluation Casual Workers on Njala Campus.
17. 2022 — Appointment as External Examiner, School of Basic Sciences, Njala University.
18. 2022–2024 — Chairman, Finance, Budget & Emolument Committee, ASA, Njala University.

##### **B). APPOINTMENT (ON PROFESSIONAL MERIT) TO OUTSIDE BODIES – E.G., CONSULTATIVE OF ADVISORY BODIES**

1. 2022 — Member, Apprenticeship Policy Development Committee, Ministry of Technical and Higher Education.
2. 2021–2023 — Commissioner, Sierra Leone Electricity and Water Regulatory Commission.
3. 2018–2020 — Commissioner, Sierra Leone Electricity and Water Regulatory Commission.

4. 2015–2016 — Chairman, CTA, University Secondary School.
5. 2018–2019 — Chairman, CTA, University International School.
6. 2010–2014 — Adviser, Wal-Mart Supermarket, Beijing Branch, China.
7. 2010–2014 — Lead Adviser, New Inter-Continental Enterprises, Beijing, China.

## OTHER RELEVANT INFORMATION

### A). ARTICLE CITATION REPORT

1. Google Scholar Published Article Citation Matrix

## REFERENCES

1. Dr. Mohamed M. Blango, Dean, School of Technology, Njala University. Tel: +23230323965 / +23279313716 / +23231117523
2. Mr. Lamin A. B. Mbogba, Principal Agricultural Officer, Ministry of Agriculture and Forestry, Sierra Leone. Tel: +23276663553 / +23277201876
3. Mr. Alpha Jalloh, SDR/SAVC, Njala University, Sierra Leone. Tel: +23276471170 / +23233795501 / +23234128847

## ii). CO-PRINCIPAL INVESTIGATOR

### MD. FATMATA SHERIFF

#### PERSONAL DATA

**NAME:** Fatmata Sheriff

**DATE OF BIRTH:** 22nd January 1970

**OCCUPATION:** Lecturer, Institute of Food Technology, Nutrition & Consumer Studies;  
School of Agriculture and Food Sciences, Njala University

**ADDRESS:** B4, Senior Staff Quarter, Njala Campus, Njala University

**CONTACT:** +23279416279; Email: [fsheff@njala.edu.sl](mailto:fsheff@njala.edu.sl)

**NATIONALITY:** Sierra Leonean

**PLACE OF BIRTH:** Bonthe

**SEX:** Female

**MARITAL STATUS:** Married

#### EDUCATION

- i). Methodist Primary school Bo — 1976–1982
- ii). Holy Rosery Secondary School Kenema — 1983–1988

## QUALIFICATION

### (A) ACADEMIC

- i). PhD Candidate in Nutrition & Dietetics, since 2020, Njala University, Sierra Leone  
**Thesis Topic:** The impact of single parenting on the health, nutrition and academic performance of children in the Western Rural and Urban of Sierra Leone
- ii). MSc in Nutrition and Dietetics, 2007–2009, Njala University, Sierra Leone
- iii). BSc (Edu) in Home Economics, 2004–2007, Njala University College, University of Sierra Leone
- iv). HTC, Milton Margai College of Education, 2000–2003

### (B) PROFESSIONAL

- i). Certificate of Attendance for Professional Development Course for Staff Lecturing on Food Security and Nutrition in Sierra Leone. Njala University.
- ii). Certificate On Educational Curriculum development for the institute of Food technology Nutrition and Consumer Studies under the school of Agriculture: Njala university Sierra Leone (2015).
- iii). Certificate: Training as trainee for teaching of Right to Food in Universities in Sierra Leone

### (C) TEACHING / PROFESSIONAL EXPERIENCE

- i). Lecturer I — Institute of Food Technology and Nutrition and Consumer Studies, Njala University, Sierra Leone, 2017 to date.
- ii). Lecturer 2 — Institute of Food Technology and Nutrition and Consumer Studies, Njala University. Sierra Leone: 2011–2018.
- iii). Research Assistant — School of Agriculture, Njala University Sierra Leone, 2008–2018.

### (D) RESEARCH AND PUBLICATIONS

- i). E. M. Sesay, M. M. M. Sesay, F. Kobba, F. Sheriff (2017). Role of women in small ruminant disease control within Kenema District, Eastern Sierra Leone.
- ii). Tarawally F. B. A., Smith Nyamawa A., Sheriff F. (2016). The prevalence of diarrhea and effect on the nutritional status of under-five children: a case study of the kaiyamba Chiefdom, Moyamba District. 2<sup>nd</sup> Annual Conference Organized by Njala University Society for Academic Advancement (NUSAA), Njala, Sierra Leone, 3rd–5th May 2016.

- iii). Dore F., Allie M., Nyamawa A., Sheriff F. (2016). The effect of teenage pregnancy on the socio-economic growth of the Njala University. 2nd Annual Conference Organized by Njala University Society for Academic Advancement (NUSAA), Njala, Sierra Leone, 3rd–5th May, 2016.
- iv). Bangai E. B., Smith A., Nyamawa A., Sheriff F. (2016). The prevalence of malaria and helminthes among children aged 0-5 years. (A case study of Bo and Kenema Government Hospitals). 2nd Annual Conference Organized by Njala University Society for Academic Advancement (NUSAA), Njala, Sierra Leone, 3rd–5th May, 2016.
- v). Koroma F. T., Smith A., Nyamawa A., Sheriff F. (2016). Assessment of the availability accessibility and neutralization of fruits and vegetables for the households in improving their nutritional status. (a case study of the NjalaMokonde Community). 2nd Annual conference Organized by Njala University Society for Academic Advancement (NUSAA), Njala, Sierra Leone, 3rd – 5th May, 2016.
- vi). Contributed in writing a Chapter of the Right to Food Manuel (chapter 6 Determinant of food intake 2018) already published by FAO for the teaching of the Right to Food Project in Njala University

**(E) PROFESSIONAL ACTIVITIES**

- i). Lead team and develop other's team working skills acquired in my experience as a lecturer, researcher, and teacher.
- ii). Collaboration — I endeavour to create a friendly environment in which colleagues and students are free to contribute positively to capacity building processes and inspire other by: advocating plans and ideals within and outside organizations.
- iii). Maintain a high influential network, all acquired in my experience as a lecturer, researcher, and teacher.
- iv). Mutual respect - I share information via all the channels of communication with other staff in a professional manner acquired in my experience as a lecturer, researcher, and teacher.

**(F) ORGANIZATIONAL / MANAGERIAL SKILLS**

- i). Administration of Institute of Foods Technology, Nutrition and Consumer Studies is one of my responsibilities in the absence of the Director. I ensured its smooth running, and continuity of services amidst numerous constraints (man-power shortage, grossly inadequate departmental facilities, and so on).
- ii). I also ensured that state programmes are well integrated into the University's basic capacity building services.

**iii).** I solicited the support of local politicians and traditional rulers for the institute.

**(G) JOB-RELATED SKILLS**

**i).** Good skills in Agricultural and Nutritional Research

**ii).** Good skills in stress management

**iii).** Good skills in conceptualizing specific management

**iv).** Good skills in database management (filings, computer storage, etc.)

**v).** Gender Activist on gender Development and gender Mainstreaming

**vi).** A highly productive foods and nutrition professional, gender advocator, with a litany of professional certificates and trainings to credit and 11+ years of brilliant track record of handling high end projects and capacity building processes, with competences in conceptualizing and supporting specific management and application, implementing policies, managing people and needs selection.

**vii).** Self-assessment on digital skills: Information processing Communication Content creation Safety Problem solving and independent user, word processor, spread sheet, presentation software, etc.

**viii).** I have good knowledge of Microsoft office. I can write documents, process, organize, present and store data.

**ix).** Member of Young Scientist Organization in Sierra Leone

**x).** Member of Academic Staffs Association (ASA) Njala University

**REFERENCES**

**1. MRS. MEMUNA SAWI**

Director, Institute of Foods Technology, Nutrition and Consumer Studies

Njala University Sierra Leone

Email: msawi@njala.edu.sl,

Tel: +23276228569

**2. PROF. ADOLPHOUS JOHNSON**

Lecturer, Department of Agriculture Extension and Rural Sociology

Njala University Sierra Leone.

Email: ajohnson@njala.edu.sl

Tel: +23276727989

**3. PROF. EDWIN J. J. MOMOH**

Vice Chancellor & Principal

Ernest Bai Koroma University, Sierra Leone

Email: emomoh@njala.edu.sl

Tel: + 232-78659982

### **iii). TEAM LEADER**

#### **DR. YAHAYA KUDUSH KAWA**

##### **PERSONAL DATA**

**ADDRESS** — #3 Heddle Lane off Circular Road Freetown Sierra Leone West Africa/Chemistry Department, School of Environmental Sciences, Njala University, Sierra Leone West Africa

**TELEPHONE & E-MAIL** — +23275452515 & [yahayak.kawa@njala.edu.sl](mailto:yahayak.kawa@njala.edu.sl)/ [yahaya\\_kawa@yahoo.com/](mailto:yahaya_kawa@yahoo.com/)

##### **EDUCATION**

**DEGREE** — PhD in Environmental Sciences and Engineering, China University of Geosciences (Wuhan)

**AREA OF SPECIALIZATION** — Functional and unique diversities of genes and microorganisms involved in redox reactions of arsenic from the severely-contaminated soils (July 2019)

**DEGREE** — MSc in Analytical Chemistry. Northeast Normal University Changchun Jilin PRC

**AREA OF SPECIALIZATION** — Natural Products Analysis of polysaccharide from the plant (July 2012)

**DEGREE** — BSc (Ed) in Chemistry/Biology, Njala University Sierra Leone West Africa

**AREA OF SPECIALIZATION** — Water analysis (July 2009)

##### **CAREER / ACADEMIC APPOINTMENT**

**HEAD** — Department of Chemistry.

**LECTURER** — Njala University, Department of Chemistry, School of Environmental Sciences (2013–Present).

**TEACHER** — Sierra Leone Grammar School Freetown Sierra Leone West Africa (Feb-2010-2010 August)

##### **PROFESSIONAL TRAINING HONORS / AWARDS**

- **MANAGER** — State Key Laboratory, Department of Microbiology 2016–2018, China University of Geosciences (Wuhan).
- **MEMBER** — Society for Environmental and Public Health Practitioners of West Africa,



(SEPHPWA).

- **TRAINER** — Workshop on Biosafety, Biosecurity and Good Laboratory Practices (Noguchi Memorial Institute for Medical Research College of Health Sciences University of Ghana), 2016.
- **SCIENTIST** — Research at Mar-ship Hospital Laboratory, Bo 2010–2016.
- **LABORATORY TECHNICIAN** — UBC-Hospital Laboratory – Matru Jong 2004–2005.

## COURSES

Biosafety Risk Assessment and Management; Waste Management, disinfection, autoclaves, and global harmonization; Biosecurity; Personal Protective Equipment; Occupational Health and incident Management; Chemical Safety; Basic Principles of Good Laboratory Practice; Infection Diseases; Specimen Collection and Transport; Safety Inspection/Audit.

## SERVICES

### NJALA UNIVERSITY SERVICE

Assistance Marshals 2016 Congregation Ceremony

Co-ordinator for Examination in the Chemistry department 2013-2016

Committee member for consensus of students 2013-2016

### OTHER PUBLIC SERVICE

1. External Examiner; Ernest Bai Koroma University of Science and Technology (2019/2020–Date).
2. Workshop to Review and Validate Harmonization Training Curricula for Allied Health Professionals in ECOWAS Region (5–7 April, 2022).
3. Integration Meeting for Accredited Colleges CAMES, Professional Associations and Regulatory bodies in ECOWAS Region (8–9 April, 2022).
4. Examiner West Africa Examination Council 2010–Date

## PUBLICATION

1. Charles Esther, Koroma Alusine Hassan, **Kawa Yahaya Kudush**, Kaisam John Paul: Assessment of knowledge and Participation on Households Solid Domestic Waste Management in Some selected Communities in Bo Southern Sierra Leone (2022) International Journal of Environmental Chemistry. ISSN: 2456-5245 Volume 8, Issue 1, 2022 DOI (Journal): 10.37628/IJEC.
2. Barrie Ibrahim Kanneh Umaru, **Kawa Yahaya Kudush**, Kaisam John Paul, Pujeh Mohamed Physicochemical Analysis of Palm Oil Effluent and its Environmental Effects at Daru, Eastern Sierra Leone (2022), International Journal of Prevention and Control of Industrial Pollution Volume 7, Issue 2, 2021 DOI (Journal): 10.37628/IJPCIP.
3. Pujeh Mohamed Junior, **Kawa Yahaya Kudush**, Kpaka Jonathan and Kanneh Umaru,

Assessment of the quality of hand dug well used for drinking and agricultural activities at Blama, Small-Bo Chiefdom, Eastern, Sierra Leone (2022), Journal of Chemical Engineering and Material Sciences. Vol. XXXX

### PROJECT / CONSULTANCY REPORT

1. Community-led Independent Scientific Evaluation of Impacts of Mining Activities on the Community in the Vicinity of Koidu Ltd. in Koidu, Kono District, Sierra Leone (ongoing)
2. Assessment and Development Policy Framework, Guidance and operational Plan on Integrated National Healthcare Waste Management for Sierra Leone (Ongoing)

### REFERENCES

1. Professor Bashiru Mohamed Koroma, Chancellor, Njala University, Tel.: +23276706819, E-mail: [bashiru.mkoroma@njala.edu.sl](mailto:bashiru.mkoroma@njala.edu.sl)/[bashiru.koroma@yahoo.com](mailto:bashiru.koroma@yahoo.com).
2. Dr. John Paul Kaisam, Dean School of Basic Sciences, Njala University Njala Campus., Tel.: +23276926710, E-mail: [jpkaisam@njala.edu.sl](mailto:jpkaisam@njala.edu.sl).
3. Professor Alhaji Brima Gogera, Deputy Vice-Chancellor, Ernest Bai Koroma University of Science and Technology, Port-Loko Campus, Tel.: +23278820533, E-mail: [agogra@njala.edu.sl](mailto:agogra@njala.edu.sl)/[abgogra@gmail.com](mailto:abgogra@gmail.com).
4. Dr. Feng Xu, Deputy Dean International Cooperation Office, Head of International Student Affairs, China University of Geosciences (Wuhan), Tel: +862767883081, Fax: +862787515956

## CURRICULUM VITAE



### PERSONAL INFORMATION

Name: Millicent Mamie Gbenjen Allie

**Date of Birth** 1<sup>th</sup> March 1979

**Department and School:** Institute of Food technology Nutrition & consumer studies; School of Agriculture

**Mailing Address:** Senior Staff Quarter B4

Main Campus, Njala University

Telephone: +-232-76-686242

Emails: [mallie@njala.edu.sl](mailto:mallie@njala.edu.sl)/ [milliallie79@gmail.com](mailto:milliallie79@gmail.com)

**Nationality:** Sierra Leonean

**Place of Birth:** Bo city

**Sex:** Female

**Marital Status:** Married

**Academic Professional Position:** LECTURER 1

#### Education (with Dates)

- i. Methodist Primary school Bo 1984-1991
- ii. Saint Andrews Secondary School (UCC) 1991-1997

## 1. QUALIFICATION

### (A) Academic

**PhD Student** (Nutrition & Dietetics ongoing): 2020-Njala University, Sierra Leone

**(a)Thesis topic:** Women's Empowerment in Achieving Household Food and Nutrition Security in Bo and Tonkolili Districts in Sierra Leone

(b) **M. Sc.** (Nutrition and Dietetics): 2007-2009; Njala University.

(c) **B. Sc. Edu.** (Home economics): 2002-2006; Njala University College, University of Sierra Leone;

(d) **Higher Teachers' Certificate:** Bo teachers' College' 1998-2000

## (B) Professional

(a) **Certificate** of Attendance for Professional Development Course for Staff Lecturing on Food Security and Nutrition in Sierra Leone. Njala University

(b) **Certificate** on International Tanning of Leaders for Think Tank Sierra Leone Benjin china  
June: 2017

(c) **Certificate** On Educational Curriculum development for the institute of Food technology Nutrition and Consumer Studies under the school of Agriculture: Njala university Sierra Leone (2015)

(d) **Certificate:** Training as trainee for teaching of Right to Food in Universities in Sierra Leone

## (C). Details of Teaching and Professional Experience

- a. **Lecturer 1** - Institute of Food Technology and Nutrition and consumer studies, Njala University, University of Sierra Leone: **1<sup>st</sup> September 2007 to date..**
  - b. **Lecturer 2**, - Institute of Food Technology and Nutrition and consumer studies, Njala University. University of Sierra Leone: **1<sup>st</sup> August 2009 - 31<sup>st</sup> August 2015.**
  - c. **Research Assistant**- School of Agriculture Njala University University of Sierra Leone: **2007-2009.**
  - d. **Home Sciences Teacher:** Government model Secondary School, Berry Street: **2007- 2009.**
- 3. Research and Publications (R&P)**

### Articles Published in Learned Peer Review Journals Online

Gegbe, B . and Gbenjen, M.M. Impact Of Information Technology on Higher Institute of Learning: Case Study of Njala University .*International Journal for engineering Research and general science* 1.1 Vol 2: issue 5, 2013

Contributed in writing a **Chapter** of the **Right to Food Manuel**. (chapter 4 Nutrition in the life cycle **2018**) already published by FAO for the teaching of the Right to Food Project in Njala University

**Researcher:** World Bank Sierra Leone ▪ Participated in conducting research on the project justices for the poor and the understanding processes of change in local governance .(2006 - 2007)  
[www.worldbank.org/justiceforthe poor](http://www.worldbank.org/justiceforthe poor)

**Supervisor European Union** ▪ Participated in training and conducted survey work Nutrition and Public Health activities for successful implementation in Sierra Leone **(2011)**

**International Representative** for Sierra Leone on Validation of Nutrition and Agricultural curriculum for West Africa countries (Both Anglophone and Francophone countries) **(Ghana 2018)**

**(d) Published Abstracts**

1. **Alie, M.M., Jalloh, A. and Moriba (2014).** Investigating the Effects of Gainful Employment on working Mothers' Ability to practice Exclusive Breastfeeding and Proper childcare. 1<sup>st</sup> Annual conference Organized by Njala University Society For Academic Advancement (NUSAA), Njala ,Sierra Leone, 28<sup>th</sup>-30<sup>th</sup> January 2014. Pp:48

**(e) Supervision of Higher Degree (Masters) Dissertations**

1. **Ruth D Sesay. (2019)** The contributions of women in managing of the family the livelihood in the kebbay town community

2. **Sylvia Adama Kamara (2019)** Investigating the relationship between diet lifestyle and the onset of hypertension at the Connaught Hospital Freetown Sierra Leone

3. **Mariama seray keita (2019).** Investigating on the beliefs attitudes and practices of nutrition and health amongst lactating mothers.

4. **Kadiatu Sheriff (2018).** Investigation gender responsibilities in Developing both the household and community Water and Sanitation Problems in Southern Sierra Leone. A Case Study of Bo city.

5. **Daniella Mattia (2018).** The Prevalence of malnutrition and anemia among under five children attending Newton health center in newton community

**Professional Activities (PA)**

(a) Lead team and develop other's team working skills acquired in my experience as a lecturer, researcher, and teacher.

(b), **Collaboration** - I endeavor to create a friendly environment in which colleagues and students are free to contribute positively to capacity building processes and inspire other by: advocating plans and ideals within and outside organizations;

- Maintain a high influential network, all acquired in my experience as a lecturer, researcher, and teacher.

(c) **Mutual respect** - I share information via all the channels of communication with other staff in a professional manner acquired in my experience as a lecturer, researcher, and teacher.

(d) **Trade fair and exhibition**- organize trade fair and exhibition on Food Processing and Preservations for Final year students as a way of capacitating for their self-reliance **(YEARLY)**.

**Organizational / managerial skills**

➤ Administration of Institute of Foods Technology, Nutrition and Consumer Studies is one of my responsibilities in the absence of the Director. I ensured its smooth running, and continuity of

services amidst numerous constraints (man-power shortage, grossly inadequate departmental facilities, and so on)

- I also ensured that state programmes are well integrated into the University's basic capacity building services.
- I solicited the support of local politicians and traditional rulers for the institute.

**Leadership Qualities** (currently responsible for a team of more than 500 students)

**Job-related skills.**

- Good skills in Agricultural and Nutritional Research
- Good skills in stress management
- Good skills in conceptualizing specific management
- Good skills in database management (filings, computer storage... etc.).
- Gender Activist on gender Development and gender Mainstreaming
- A highly productive foods and nutrition professional, gender advocate, with a litany of professional certificates and trainings to credit and 11+ years of brilliant track record of handling high end projects and capacity building processes, with competences in conceptualizing and supporting specific management and application, implementing policies, managing people and needs selection.

- **Self-assessment on Digital skills:** Information processing Communication Content creation Safety Problem solving and Independent user , word processor, spread sheet, presentation software etc

- ▪ I have good knowledge of Microsoft office. I can write documents, process, organize, present and store data.

**Membership of Professional Bodies and Societies**

- I have a very strange political background which I have exhibited in the past years that led me to run for the position of National women's leader 2011/2012 political year for the Sierra Leone Peoples Party (S.L.P.P). Because of my motivation, I was totally involved in the recently completed National Election in the political realm of his vision Rtg. Brigadier Julious Maada Bio to power.
- Member of Young Scientist Organization in Sierra Leone
- Academic Staffs Association (ASA)

**ADDITIONAL INFORMATION ANNEXES**

1. I am oriented towards coordination and motivation of individuals and teams as well as facilitation of individual and team work including multi-task activities for optimal performance
2. Have participated in lots of seminal and workshops in Home and Abroad on curriculum development in the integration of Nutrition into Agricultural-Extension, capacity enhancement in curriculum review for Nutrition and Public Health professional, Gender development and gender mainstreaming etc

## REFEREE

Prof. Edwin J. J Momoh

Vice Chancellor & Principal

Ernest Bai Koroma University Sierra Leone

Email: [emomoh@njala.edu.sl](mailto:emomoh@njala.edu.sl)

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Njala University Sierra Leone

Email: [tssonda@njala.edu.sl](mailto:tssonda@njala.edu.sl),

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Mrs. Memuna K. Sawi,

Director, Institute of Foods Technology, Nutrition and Consumer Studies

Njala University Sierra Leone.

Email: [msawi@njala.edu.sl](mailto:msawi@njala.edu.sl)

Tel: +232766228569

## CURRICULUM VITAE – Stephen B. Mattia

### 1. PERSONAL DATA

**Name:** Dr. Stephen Brima Mattia

**Date of Birth:** 05 March 1963.

**Department and School:** Department of Forestry & Wood Science, School of Natural Resources Management

**Mailing address:** 19 Henry Street, Private Mail Bag, Freetown, Sierra Leone.

Telephone: +232 76 695528.

Email: [sbmattia@njala.edu.sl](mailto:sbmattia@njala.edu.sl)

**Nationality:** Sierra Leonean.

**Place of Birth:** Njama, Kowa Chiefdom, Moyamba District.

**Sex:** Male

**Marital status:** Married with three children

**Present Professional Position:** (i) Senior Lecturer (ii) Head, Department of Forestry and Wood Science.

### 2. ACADEMIC QUALIFICATIONS



PhD in Forestry, 2022, Njala University.

MSc (Forestry), 1997, Sokoine University of Agriculture, Morogoro, Tanzania.

BSc (Agric. Gen.), 1991, Njala University College, USL.

#### (a) Professional activities

- (i) Contact Person and Admin Officer to the Consortium CAPACITY4FOOD in Spain. African, Caribbean and Pacific Groups of State (ACP) – European Union (EU) **Research Grant Contract Identification Number: FED/2013/320-275**. Titled: “Integrated Soil Fertility Management for Food Security: Matching Capacities in Anglophone West African Nation HEIs (Higher Education Institutions) with Local Needs”. Acronyms: CAPACITY4FOOD. EDULINK. Web <http://www.capacity4food-project.eu/>. Total grant value: **EU € 497,560.81**; value for Njala University: **€ 57,264.24** (October 2013 to September 2016).

The six Research partners and associates for this consortium included University of Alicante (Lead Partner) in Spain, Njala University (Sierra Leone), University of Dschang (Cameroon), University of The Gambia (The Gambia), College of Agriculture and Consumer Sciences (University of Ghana), and Federal University of Technology (Nigeria).

- (ii) Consultant to ECOWAS/Ministry of Agriculture, Forestry and Food Security/Other Bodies, 2019 to 2022.

Activities undertaken:

- ECOWAS Consultancy: Resource person who developed the first draft of the Sierra Leone National Forest Investment Plan (NFIP) and facilitated the NFIP National Validation Workshop (14 – 15 October 2019). Ministry of Agriculture, Forestry and Food Security (2019) *National Forest Investment Plan 2019 – 2024* (Draft), Freetown, Sierra Leone. Consultancy Report for ECOWAS, pp46.
- Consultancy Service for Mano River Ecosystem Conservation and International Water Resources Management (IWRM) Project and Gola Rainforest Conservation Limited by Guarantee (GRC LG): Training and Certification in Silviculture and Agroforestry, 18 – 22 May 2020. Project Value for Njala University: **US\$ 2,000.00**
- Contract for out Planting and Maintenance of Tree Crop Seedlings (Tree Crops and other Commercial Trees). Procurement Number MoEVN/NTTP/RFP/0002/FY 2020. Ministry of the Environment. Project value for Njala University **Le 100,000,000.00 (old notes), Equivalent to US\$ 10,000.00** [Document 020]

- (iii) Consultancy to FAO and other UN Bodies, 2004 to 2017

Activities Undertaken:

- FAO and NEPAD (2005) Market-oriented forestry and tree crop agroforestry production systems. Bankable Investment Project Profile. Support to NEPADCAADP Implementation TCP/SIL/2905(I), Vol. IV of IV. Government of the Republic of Sierra Leone, pp27. Consultancy report for FAO.
- FAO and NEPAD (2005) NMTIP Project 9: Sustainable forestry, agroforestry and wildlife management .National Medium Term Investment

Programme: Support to NEPAD-CAADP Implementation. TCP/SIL/2905(I), Vol. I of IV. Government of the Republic of Sierra Leone. p26 – 27.

- Promotion of Neem-derived Bio-pesticides in West Africa. Contracting body: United Nations Industrial Development Organization (UNIDO) – SAP ID 100110, Grant 2000002541. Grant value for Njala University: **US\$ 35,000** (thirty-five thousand US dollars). Implemented in collaboration with Department of Crop Protection NU, from 2015 to 2017.
- (iv) Project Coordinator to Sierra Rutile, 2013 to 2021  
Activities undertaken/Projects Acquired:
- Annual Seedling Production for Sierra Rutile Ltd 2013. Project value **Le 120,000,000** (one hundred and twenty million Leones), Equivalent to US\$ 27,000.00.
  - Annual Seedling Production for Sierra Rutile Ltd 2014. Project value **Le 127,000,000** (one hundred and twenty-seven million Leones); Equivalent to **US\$ 29,398.15**
  - Annual Seedling Production for Sierra Rutile Ltd 2015. Project value **Le 153,000,000** (one hundred and fifty-three million Leones); Equivalent to **US\$ 34,000**.
  - Annual Tree seedling production (of assorted native species) for Sierra Rutile Limited on Purchase order Type 59384 (2018). Project value **US\$ 47,000**.
- (v) Served as Alternate Correspondent for Global Forest Resources Assessment by FAO (FRA) 2020 for Africa - Compilation of the FRA 2020 Country Reports, 25 July 2018 to 2022.

**Terms of Reference: Global Forest Resources Assessment (FRA) National Correspondent and Alternate.**

The immediate task of the National Correspondents and their teams of experts is to assist the FRA Secretariat in the implementation of the reporting process. More specifically, the National Correspondent is expected to: act as a focal point for communication with FAO on matters related to the FRA Programme.

- (vi) Currently serving as Focal Person representing Njala University to FAO National Forest Inventory Committee in Sierra Leone (2023).

**3. DETAILS OF TEACHING AND PROFESSIONAL EXPERIENCE (AT UNIVERSITY LEVEL):**

- (i) Assistant Conservator of Forests, Forestry Division, Ministry of Agriculture, Forestry and Food Security, Freetown, Sierra Leone (1998 – 2000).
- (ii) Lecturer II, National Agricultural Training Centre, Njala University College, USL (January 2000 – 2004).
- (iii) Lecturer I, National Agricultural Training Centre, Njala University College, USL (2004 – 2010).

- (iv) Lecturer I, Department of Forestry, School of Natural Resources Management (formerly Forestry and Horticulture), Njala University (2010 – 2016).
- (v) Senior Lecturer, Department of Forestry, School of Natural Resources Management, Njala University (1 September 2016 to date).

#### 4. RESEARCH AND PUBLICATIONS

##### Book chapter

- (i) Aruna Kainyande, Alie Kamara and **Stephen B. Mattia** (2023) Spacing Effects on the Growth and Carbon Storage of Plantation-grown Trees in the Njala University Tree Spacing Experimental Plots, Southern Sierra Leone. DOI: 10.9734/bpi/eias/v1/9626F.

Chapter contribution to Book titled Emerging Issues in Agricultural Sciences Vol. 1. ISBN: 978-81-19102-16-7 (Print), eBook ISBN: 978-81-19102-25-9, Chen Chin Chang (Editor). Published by B. P. International, India. United Kingdom, pp 139 – 148. DOI: 10.9734/bpi/eias/v1.

- (ii) **Mattia, S. B.** and Sampha, Sesay (2020) Ground Forest Inventory and Assessment of Carbon Stock in Sierra Leone, West Africa. Available online: <http://mts.intechopen.com/articles/show/title/ground-forest-inventory-and-assessment-of-carbon-stocks-in-sierra-leone-west-africa>

Chapter contribution to Book titled *Natural Resources Management and Biological Sciences*, ISBN 978-1-83880-465-7, Rhodes, E. R. and Naser, H (Editors). Published by IntechOpen Limited, London, United Kingdom, pp172 – 261. Available online: <http://www.intechopen.com/books/natural-resources-management-and-biological-sciences>

##### Articles published in Learned Journals

- (iii) Alieu, E. K., **Mattia, S. B.** and Kargbo I. R. (2021) Forestry education in Sierra Leone: progress and constraints in preparing for the job market. *International Journal of Silviculture and Agroforestry* (IJSa) ISSN 1720-349X, Vol. 4(2), pp. 117-121. June 2021. Available online at [www.advancedscholarsjournals.org](http://www.advancedscholarsjournals.org) © Advanced Scholars Journals.
- (iv) Duwaiman, F., **Mattia, S. B.**, Kamara, E. G., Kassoh, F. A. and Conteh, A. R. (2021) Effect of spacing regimes on Growth and Carbon Storage of *Tectona grandis*, *Gmelina arborea* and *Terminalia ivorensis* in a nine year old Forest Plantation in the Transition Rainforest of Sierra Leone. *International Journal of Sciences*: Vol. 10 – 2020, (03) Issue. Published at: <http://www.ijsciences.com/pub/issue/2021-03/> DOI: 10.18483/ijSci.2270
- (v) Fayiah, M., Otesile, A. A. and **Mattia, S. B.** (2018) Review of Challenges Confronting the Implementation and Enforcement of Environmental Policies and Regulations in Sierra Leone. *International Journal of Advanced Research* 6(6), 530-541. Article DOI: 10.21474/IJAR01/7242. DOI URL: <http://dx.doi.org/10.21474/IJAR01/7242>
- (vi) Otesile, A. A., Fayiah, M. F., **Mattia, S. B.** and Barrie, A. (2017) Value chain analysis of forest wood products. *Van Sangyan*: 4(12), 1 – 18.
- (vii) Fornah, Y., **Mattia, S. B.**, Otesile, A. A. and Kamara, E. G. (2017) Effects of

- provenance and seed size on germination, seedling growth and physiological traits of *Gmelina arborea*, Roxb. *International Journal of Agriculture and Forestry*, 7(1): 28 – 34. DOI: 10.5923/j.ijaf.20170701.05.
- (viii) **Mattia, S. B.** and Dugba, S. A. (2015) Allometric equations for volume estimation of *Gmelina arborea* Roxb wood at Singamba Forest Reserve in Njama, Sierra Leone. *Journal of Sustainable Environmental Management*, 7: 1 – 10.
  - (ix) **Mattia, S. B.**, Omiyale, O. and Sesay, S. (2015) Productivity and tree species richness in mixed forest of National Agricultural Training Centre (NATC), Njala University. *Journal of Sustainable Environmental Management*, 7: 93 – 104.
  - (x) **Mattia, S. B.** and Kargbo, S. (2013) Species richness and structure of Gola Forest Reserve, Kenema District, Sierra Leone. *Njala Journal of Agriculture, Science and Technology*. 2: 74 – 84.

#### **Papers in published conference proceedings**

- (xi) Fayiah, M., Omiyale, O. and **Mattia, S. B.** (2014) Simple Linear Equation of Kasewe Teak (*Tectona grandis*) Plantation, Sierra Leone. In: *Proceedings of the 37<sup>th</sup> Annual Conference of Forestry Association of Nigeria*, (O. Y. Ogunsanwo, A. O. Akinwole, I. O. Azeez, V. A. J. Adekunle and N. A. Adewole editors), Mina, Niger State, Nigeria, 09 – 14 November 2014. Forestry Association of Nigeria, p773 – 779.
- (xii) **Mattia, S. B.**, Omiyale, O. and Kamara, P. (2013) Standing Crops of *Eucalyptus camadulensis* Lin. at Njala Plantation Forest, Njala University, Moyamba District, Sierra Leone. In: *Proceedings of the 36<sup>th</sup> Annual Conference of Forestry Association of Nigeria*, Oyo, Akwa Ibom State, Nigeria, 04 – 09 November 2013, Volume 1, p362 – 369.
- (xiii) **Mattia, S. B.** and Malimbwi R. E. (1998) Volume equations for three mangrove Tree species in Tanzania. In: *Proceedings of the First Annual Forestry Research Workshop* (S. A. O. Chamshama editor.), 25 – 26 March, 1997. Faculty of Forestry, Sokoine University of Agriculture, Morogoro, Tanzania. Record No. 67, p239 – 248.
- (xiv) **Mattia, S. B.** and Malimbwi, R. E. (1999) Structure of natural mangrove forests at Rufiji delta, Tanzania. In: *Proceedings of SUA/AUN Workshop on Tanzania Forest Sector: Problems and Possible Solutions*, 23 – 26 March 1998, Olmotonyi, Arusha, Tanzania.

#### **Technical Reports**

- (xv) CEMMATS Group Ltd. (2021) *Conceptual Plan for Rise International Agricultural Project*, Freetown, Sierra Leone. Consultancy Report for Rise International Agricultural Project.
- (xvi) Mattia, S. B. (2020) *Training Manual in Silviculture and Agroforestry*. Consultancy Service for Mano River Ecosystem Conservation and International Water Resources Management (IWRM) Project and Gola Rainforest Conservation Limited by Guarantee (GRC LG).

- (xvii) Ministry of Agriculture, Forestry and Food Security (2019) *National Forest Investment Plan 2019 – 2024* (Draft), Freetown, Sierra Leone. Consultancy Report for ECOWAS, pp46.
- (xviii) CAPACITY4FOOD (2014) Anglophone Needs Analysis Report, Act 1.1, Sierra Leone. Integrated soil fertility management for food security: Matching Capacities in Anglophone West African Nation Higher Education Institutions (HEIs) with Local Needs, p57 - 61.
- (xix) FAO and NEPAD (2005) Market-oriented forestry and tree crop agroforestry production systems. Bankable Investment Project Profile. Support to NEPADCAADP Implementation TCP/SIL/2905(I), Vol. IV of IV. Government of the Republic of Sierra Leone, pp27. Consultancy report for FAO.
- (xx) FAO and NEPAD (2005) NMTIP Project 9: Sustainable forestry, agroforestry and wildlife management .National Medium Term Investment Programme: Support to NEPAD-CAADP Implementation. TCP/SIL/2905(I), Vol. I of IV. Government of the Republic of Sierra Leone. p26 – 27.

## **5. MEMBERSHIP OF PROFESSIONAL BODIES/ORGANIZATIONS**

### **(a) Editorial Board**

- (i) Served as editor for Njala University Society for Academic Advancement (NUSAA) in 2016.
- (ii) Reviewer for International Journal of Forestry and Wood Science, Premier Publishers, from 26 May 2018 to 2020: Website: <https://premierpublishers.org/>

### **(b) Other Organizations**

- (i) Member, National Council for Technical Vocational, and Other Academic Awards (NCTVA), 2019 to date.
- (ii) Served as Alternate Correspondent for Global Forest Resources Assessment by FAO (FRA) 2020 for Africa - Compilation of the FRA 2020 Country Reports, 25 July 2018 to date.
- (iii) Scientific Member of Conservation Society of Sierra Leone, from 2014 to date.
- (iv) Member, Board of Governors, University Secondary School (USS), from 2010 to date.

## **6. MAJOR CONFERENCES/WORKSHOPS/SEMINARS ATTENDED**

### **(a) International conferences/workshops**

- (i) Virtual Seminar on Forestry Ecological Restoration for BRI countries (Online), sponsored by Ministry of Commerce, P. R. China, organized by China National Bamboo Research Centre of National Forestry and Grassland Administration, P. R. China and co-organized by Nanjing Forestry University from 1 – 24 May 2023, Begin, China.
- (ii) Virtual Seminar on Forest Protection and Ecological Restoration Technologies for Developing Countries (Online), sponsored by Ministry of Commerce, P. R. China, organized by China National Bamboo Research Centre of National Forestry and Grassland Administration, P. R. China and co-organized by Nanjing Forestry University, 7 – 27 September 2022, Begin, China.
- (iii) Virtual Events on National Forest Inventory (NFI) and Use of FAO Geo-Spatial Open Source Tools for Land Use Land Cover Change Analysis, 15 October – 30 November 2020.
- (iv) Global Forest Resources Assessment 2020 (FRA 2020), FAO Virtual Remote Sensing Survey.



- (v) Virtual Workshop: Regional Workshop for West Anglophone Africa, 31 August – 4 September 2020.
- (vi) UNFF (United Nations Forest Financing) and ECOWAS Training Workshop for Project Development, 10 – 13 March 2020, ECOWAS Commission, Abuja, Nigeria.
- (vii) Trainings IV and V of Trainers Workshop organized by the project titled *Integrated soil fertility management for food security: matching capacities in Anglophone West African Nation Higher Education Institutions (HEIs) with local needs*, Acronyms: CAPACITY4FOOD, 11 – 14 July 2016, University of Alicante, Spain.  
<http://www.capacity4food-project.eu/>  
The six partners and associates for this project included University of Alicante (Lead Partner), Njala University, University of Dschang (Cameroon), University of The Gambia (The Gambia), College of Agriculture and Consumer Sciences (University of Ghana) and Federal University of Technology (Nigeria). Implemented in collaboration with the Department of Soil Science, Njala University.
- (viii) Regional Conference for the project titled: CAPACITY4FOOD, FED/2013/320-275, Federal University of Technology, Akure, Nigeria, 19 – 20 April 2016.  
<http://www.capacity4food-project.eu/>
- (ix) Second Training of Trainers workshop organized by CAPACITY4FOOD Project, 18 – 20 March 2015, University of Ghana, Legon, Ghana.  
<http://www.capacity4food-project.eu/>
- (x) First Training of Trainers workshop organized by CAPACITY4FOOD Project, 03 – 05 June 2014, University of The Gambia, Serikunda, The Gambia.  
<http://www.capacity4food-project.eu/>
- (xi) Participated in the Kick-off meeting for the project titled: *Integrated soil fertility management for food security: matching capacities in Anglophone West African Nation HEIs (Higher Education Institutions) with local needs*, Acronyms: CAPACITY4FOOD, FED/2013/320-275, 18 – 19 November 2013, University of Alicante, Spain. <http://www.capacity4food-project.eu/>
- (xii) SUA/AUN Workshop on Tanzania Forest Sector: Problems and Possible Solutions, 23- 26 March 1998, Olmotonyi, Arusha, Tanzania.  
Paper Presented: Mattia, S. B. and Malimbwi, R. E. (1998) Structure of natural mangrove forests at Rufiji delta, Tanzania.
- (xiii) The First Annual Forestry Research Workshop, 25 – 26 March 1997, Olmotonyi, Arusha, Tanzania.  
Paper Presented: Mattia, S. B. and Malimbwi, R. E. (1997) Volume equations for three mangrove tree species in Tanzania.

#### **(b) Local conferences/workshops within Sierra Leone**

- (xiv) Inaugural Meeting of 3<sup>rd</sup> Council. National Council for Technical Vocational, and Other Academic Awards (NCTVA), 16 November 2021, Tower Hill, Freetown, Sierra Leone. Web site: [www.nctva.org](http://www.nctva.org)
- (xv) Council Committee Meeting, Accreditation and Quality Assurance Committee, NCTVA, 9 June 2022, Tower Hill, Freetown, Sierra Leone.
- (xvi) Second Council Committee Meeting, National Council for Technical Vocational, and Other Academic Awards, 7 July 2022. Tower Hill, Freetown, Sierra Leone.

- (xvii) Development of the first draft of Sierra Leone National Forest Investment Plan (NFIP) and National Validation Workshop, 14 – 15 October 2019, Freetown, Sierra Leone.
- (xviii) Conservation Society of Sierra Leone (CSSL): TFA 2020 African Oil Palm Initiative (TFA 2020 APOI) SL Platform Stakeholder Training Workshop on HCV/HCS and FPIC 92018, 18 – 21 September 2019, Held at Paloma Hotel, Kenema, Sierra Leone.
- (xix) CSSL: TFA 2020 AFRICAN OIL PALM INITIATIVE (TFA 2020 APOI) SL PLATFORM STAKEHOLDER WORKSHOP – Mr. Stephen B. Mattia attended the workshop as member of the platform (Representing NU) on 29 May 2019, Freetown.
- (xx) CSSL: TFA 2020 African Oil Palm Initiative (TFA 2020 APOI) SL Platform Stakeholder Workshop – I attended the workshop as a member of the platform, 21 – 22 March 2019, at J & E Hotel in Bo, Sierra Leone.
- (xxi) Conservation Society of Sierra Leone (CSSL): I delivered Public Lecture on the topic “Understanding Deforestation (Zero Deforestation) Approach to Oil Palm 11 Production in Sierra Leone”, 22 – 23 October 2018, Njala University, Njala Campus. Contracted by Conservation Society of Sierra Leone, 14a King Street, Freetown, Sierra Leone.
- (xxii) Participant for Forestry Bill Technical Review Workshop, 20 – 22 June 2018, FAO office, Wilberforce Village, Freetown.
- (xxiii) Conducting Research at the Intersection of Health, Science and Engineering, 6 – 7 December 2017, Njala University, Njala Campus, Sierra Leone.
- (xxiv) Research Workshop (Research on Emerging and Epidemic-Prone viral diseases). Academic Heads’ Workshop for Deans and Departmental Heads, 29 November 2017, Njala University, Bo Campus, Sierra Leone.
- (xxv) Workshop and Commissioning of Neem Processing Machines: Promotion of Neem-derived Bio-pesticides in Sierra Leone, Neem Technical Team of Njala University, 2 November 2017, Levuma Beach Garden, Off Tombo Road, Waterloo, Sierra Leone.
- (xxvi) High Carbon Stock/High Conservation Value (HCS/HCV) Training and Tropical Forest Alliance 2020 (TFA 2020) Africa Oil Palm Initiative, Second National Workshop, 27 – 29 September 2017, Hub Hotel, Wilberforce, Freetown, Sierra Leone. [www.tfa2020.org](http://www.tfa2020.org)
- (xxvii) Community Based Forestry Workshop, organized by Ministry of Agriculture, Forestry and Food Security (MAFFS) and West Africa Biodiversity and Climate Change (WA BiCC) – United States Agency for International Development (USAID), 12 April 2017, WA BiCC Office, Freetown, Sierra Leone.
- (xxviii) Njala University Society for Academic Advancement (NUSAA) Third Annual Research Conference, 21 – 23 March 2017, Mary Kingsley Auditorium, Fourah Bay College, Freetown, Sierra Leone.

Papers Presented:

- (i) Kamara, P., **Mattia, S. B.**, Sesay, S. and Vandi, A. S. (2017) Productivity of *Azadirachta indica* in Njala plantation forest, Njala University, Sierra Leone. NUSAA Third Annual Research Conference, 21 – 23 May 2017. *Book of Abstracts*. Njala University, Njala Campus, Njala, Sierra Leone, pp79.



- (ii) Conteh, A., **Mattia, S. B.**, and Sesay, S. (2017) Wood production and species diversity of Pambella forest, Mano Dasse, Sierra Leone. NUSAA Third Annual Research Conference, 21 – 23 May 2017. Book of Abstracts. Njala University, Njala Campus, Njala, Sierra Leone, pp79.
- (iii) Bobor-Deen, M., **Mattia, S. B.**, Sesay, S. and Kamara, A. (2017) Soil organic carbon of rainforest of National Agricultural Training Centre, Sierra Leone. NUSAA Third Annual Research Conference, 21 – 23 May 2017. Book of Abstracts. Njala University, Njala Campus, Njala, Sierra Leone, pp79.
- (xxix) Inception Workshop of the Technical Cooperation Programme (TCP) between MAFFS and FAO on Piloting the Sierra Leone Community Based Forestry Concept, 21 March 2017, Family Kingdom, Freetown, Sierra Leone.
- (xxx) Fostering Capacity Building and Regional Integration: Final Conference of the project titled Integrated soil fertility management for food security: matching capacities in Anglophone West African Nation Higher Education Institutions (HEIs) with local needs, Acronyms: CAPACITY4FOOD, FED/2013/320-275, 21 – 23 September 2016, Njala University. <http://www.capacity4food-project.eu/>
- (xxxi) National Matching Event and Training Replication for CAPACITY4FOOD, Organized by Njala University (Alie Kamara and **Stephen B. Mattia**), 18 – 19 August 2016, Njala University, Njala Campus.
- (xxxii) Second Annual Research Conference, Njala University Society for Academic Advancement (NUSAA), 03 – 05 May 2016. Njala University, Njala Campus, Njala, Sierra Leone.

Paper presented:

Mattia S. B., Bangura A. B. and Sesay, S. Structure and species diversity of two forest ecosystems at Njama, Sierra Leone.

- (xxxiii) National Matching Event and Training Replication for CAPACITY4FOOD, Organised by Njala University (Alie Kamara and **Stephen B. Mattia**), 21 – 22 August 2015, Njala University, Njala Campus. <http://www.capacity4foodproject.eu/>
- (xxxiv) Participant for National Workshop on Revision of the National Biodiversity Strategy and Action Plan: Setting National Targets, Priorities and Principles, 10 – 11 June 2014, British Council, Freetown.
- (xxxv) Third workshop organized by Interdisciplinary Research Group: Local Content Policy, April 2014, London Mining Conference Room, Freetown, Sierra Leone.
- (xxxvi) Njala University Society for Academic Advancement (NUSAA) First Annual Conference, 28 – 30 January, 2014. Njala University, Njala Campus, Njala, Sierra Leone.

Papers presented:

- (i) Brima, J. D., Mattia, S. B. and Alieu, E. K. (2014) Assessment of Economic Impacts of Non-Wood Forest Products on Sustainable Livelihood in Rural Communities: Case Study of Makpeli Chiefdom.
- (ii) Mattia, S. B., Fornah, Y., Kanteh, S. M. and Omiyale. O (2014). Effect of Seed Size on germination and Seedling Development of Gmelina arborea Roxb.

- (iii) Mattia, S. B., Omiyale, O. and Sesay, S. (2014) Productivity and Tree Species Richness in Tropical Broad-Leaf Mixed Forest of NATC, Njala University.
- (xxxvii) Participant for the second workshop: The changing face of corporate responsibility in the extractive industry: from philanthropy to sustainable development, 16 – 17 January 2014, Njala University, Njala Campus. Interdisciplinary Research Group.
- (xxxviii) Participant for the workshop: The changing face of corporate responsibility in the extractive industry: from philanthropy to sustainable development, 17 – 18 December 2013, Freetown. Organised by Interdisciplinary Research Group. Hosted by Prof Emmanuel Raufflet from University of Montreal, the GIZ Natural Resource Governance Project and London Mining Company.
- (xxxix) First annual training seminar held by Njala University Society for Academic Advancement (NUSAA), 01 – 03 October 2013, Njala University, Njala Campus, Njala, Sierra Leone.
- (xl) Participant for the Training course in Sustainable Agriculture, Environment and the Community, under the joint auspices of Njala University and University of Illinois, 09 – 11 January 2012, Njala Campus.

## **7. DETAIL OF ADMINISTRATIVE EXPERIENCE AND SPECIAL RESPONSIBILITIES**

- (i) Acting Head of Department (NU), from October 2013 to January 2020.
- (ii) Head of Department, January 2020 to date.
- (iii) Admin and Finance Officer for the project CAPACITY4FOOD, from 2013 to 2016.
- (iv) Chairman, Community Teachers Association, University Secondary School (USS), from 2010 to date.
- (v) Chairman, Catholic Parish Pastoral Council, St. Theresa's Parish, Mano/Njala, from March 2019 to date.
- (vi) Chairman, School's Strategic Planning Committee, School of Natural Resources Management, 2019/2020 and 2020/2021 academic years.

## **UNIVERSITY/PUBLIC SERVICES**

- (i) Member of Senate, Njala University 2013 to date.
- (ii) Member, 3rd NCTVA (National Council for Technical Vacation and Other Academic Awards), 25 April 2019.
- (iii) Member. School Scoring Committee, School of Natural Resources Management, NU 2022.
- (iv) Member, Committee for Higher Degree Supervision, NU, 4 November 2021 to date.
- (v) Member, Panel of Examiners for Examination and Dissertation Grades, NU 2019 to date.
- (vi) Delivered Public Lecture on the topic "Understanding Deforestation (Zero Deforestation) Approach to Oil Palm Production in Sierra Leone", 22 – 23 October 2018, Njala University, Njala Campus. Contracted by Conservation Society of Sierra Leone, 14a King Street, Freetown, Sierra Leone.
- (vii) Member, Forestry Bill Steering Committee, FAO and MAFFS, June 2018, Freetown.
- (viii) Served as Alternate Country Correspondent for Forest Resources Assessment by FAO (FRA) 2020 Sub-regional workshop for Africa - Compilation of the FRA 2020 Country Reports, 25 July 2018.

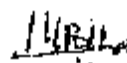
- (ix) Member, Board of Examiners for Postgraduate studies, School of Natural Resources Management, Njala University 2017.
- (x) Participant for forestry curriculum development for: a) Higher Diploma at NATC (b) Higher and Ordinary Diploma, Department of Forestry and (c) B. Sc. Hons. in Forestry, School of Natural Resources Management.
- (xi) School Representative to Senate (School of Forestry & Horticulture) – 2010 to 2014.
- (xii) Member of Student Project Committee – School of Forestry & Horticulture, Njala University.
- (xiii) Chairman, Community Teachers Association (CTA), University Secondary School, Njala. From 2010 to date.

### **REFEREES**

- (i) Prof. Roland Suluku, Head, Department of Animal Science, School of Agriculture and Food Sciences, Njala University. Mobile Phone: +232 76 775 899/+232 34 128876; Email: [rsuluku@njala.edu.sl](mailto:rsuluku@njala.edu.sl)
- (ii) Dr. Philip M. P. Mornya, Former Dean, School of Natural Resources Management, Njala University. Mobile Phone: +232 76 666739. E-mail: [pmornya@njala.sl](mailto:pmornya@njala.sl)

08 -10 - 2023

**DATE**



**SIGNATURE**