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RESEARCH

Interests	Environmental Science
Areas	Health, Toxicology and Mutagenesis · Pollution · Plant Science · Public Health, Environmental and Occupational Health · Waste Management and Disposal · Water Science and Technology

RESEARCH SUMMARY

79	2,363	30	44	2.74	39%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 79 publications listed below, 2004–2026. Field-weighted impact is the mean over the 54 works scored for it; 1.00 is the world average for works of the same field, type and year. 21 of the 54 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Associate Professor 2005–present
Environmental Science, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

EDUCATION AND QUALIFICATIONS

PhD 2008–2012
Risk Management and Environmental Sciences, Yokohama National University, Yokohama, Japan

MSc Engineering 2001–2004
Environmental Management, Aalborg University, Aalborg, Denmark

MPhil 1999–2003
Environmental Science, University of Ghana, Legon, Ghana

BSc 1992–1996
Biochemistry, University of Ghana, Legon, Ghana

PUBLICATIONS

Journal articles 74

1. Joe Steve Annan, Sulemana Alhassan, **Jonathan Nartey Hogarh**, Bernard Fei Baffoe, Samuel Kofi Tulashie (2026). Occupational exposure to solid aerosols in Ghana's large-scale gold mining sector: An assessment of legal gaps, compliance levels, and enforcement regulations. *Environmental Development*. https://doi.org/10.1016/j.envdev.2026.101541
2. Paul Appiah Sekyere, David Azanu, Osei Akoto, Vivian Etsiapa Boamah, Lyndon N. A. Sackey, Charles K. Sekyere, **Jonathan N. Hogarh**, R. C. Abaidoo (2026). Quantification of Veterinary Antibiotics and Antibiotics Resistant Bacteria in Poultry Droppings. *Journal of Chemistry*. https://doi.org/10.1155/joch/5407152
3. Mengnjo Jude Wirmvem, Juliana Amboh Tifang, Wiylahnyuy Edith Kongnso, Engome Regina Wotany,

Muga Yaguchi, Nelson Lifoter Wirngo, **Jonathan N. Hogarh**, Brice Tchakam Kamtchueng, Ndewege Fideline Djeme, Wilson Yetoh Fantong, Takeshi Ohba (2026). Stable isotopes reveal the origin and vulnerability of bottled and sachet drinking waters sold in Cameroon. *Hydrological Sciences Journal*. https://doi.org/10.1080/02626667.2026.2737380

4. Francis Kwaku Nkansah, Ebenezer J. D. Belford, **Jonathan Nartey Hogarh** (2025). Assessing the Air Pollution Mitigation Potential of Urban Trees in Ghana's Central Region. *The Scientific World JOURNAL*. https://doi.org/10.1155/tswj/9655268
5. Francis Kwaku Nkansah, Ebenezer Jeremiah Durosimi Belford, **Jonathan Nartey Hogarh**, Alfred Kwablah Anim (2025). Assessment of ambient air quality and health risks from vehicular emissions in urban Ghana: A case study of Winneba. *Journal of Air Pollution and Health*. https://doi.org/10.18502/japh.v10i1.18092
6. Serwaa A. Bawua, Kwame M. Agbeko, Ibrahim Issah, Afua A. Amoabeng-Nti, Saskia Waldschmidt, Katja Löhndorf, Thomas Küpper, **Jonathan Hogarh**, Julius N. Fobil (2025). Cognitive Functions Among Pupils in Schools Near and Around an Electronic Waste Recycling Site at Agbogbloshie in Accra, Ghana. *Toxics*. https://doi.org/10.3390/toxics13080615
7. Boansi Adu Ababio, Gerheart Winfred Ashong, Thomas Peprah Agyekum, Blessed Adjei Yeboah, Marian Asantewah Nkansah, **Jonathan Nartey Hogarh**, Michael Kweku Commeh, Edward Ebow Kwaansa-Ansah, Kwabena Dabie, Felix Adulley, Eldad Boansi, Lorenda Sarbeng, Birago Adu Ababio, Maame Serwaa Boapea, Nana Kwabena Oduro Darko, Meshach Kojo Appiah (2025). Comprehensive health risk assessment of urban ambient air pollution (PM2.5, NO2 and O3) in Ghana. *Ecotoxicology and Environmental Safety*. https://doi.org/10.1016/j.ecoenv.2024.117591
8. John K. Bentum, Albert Eshun, David K. Essumang, Patrick Boakye, Joseph Kweku Adjei, Obed O. Ohene-Kwayisi, **Jonathan N. Hogarh** (2025). Fingerprints of Polychlorinated Biphenyl (PCB) Congener and Homologous Profile of the Pra River Basin Sediment. *OALib*. https://doi.org/10.4236/oalib.1113166
9. Boansi Adu Ababio, Thomas Peprah Agyekum, Rapheal Obeng, Gerheart Winfred Ashong, Michael Kweku Commeh, **Jonathan Nartey Hogarh**, Marian Asantewah Nkansah (2025). Knowledge, perception and awareness of the potential harm of smoke inhalation from indoor air pollution among cooks in solid-fueled high school kitchens within the Kumasi Metropolis, Ghana. *Discover Public Health*. https://doi.org/10.1186/s12982-025-01228-8
10. AK Anning, **JN Hogarh** (2025). Mining Site Reclamation in Ghana: A Comparative Assessment of Vegetation Dynamics. *Environmental Reports; an International Journal*. https://er.researchfloor.org/wp-content/uploads/2026/01/Mining-Site-Reclamation-in-Ghana-A-Comparative-Assessment-of-Vegetation-Dynamics.pdf
11. BA Ababio, **JN Hogarh**, TP Agyekum, MK Commeh, MA Nkansah (2025). Modelled particulate matter respiratory deposition for cooks' occupational exposure in solid-fueled high school kitchens. *Environmental Pollution and Management*. https://www.sciencedirect.com/science/article/pii/S2950305125000026
12. A Sulemana, **JN Hogarh** (2025). Occupational Exposure to Solid Aerosols in Ghanaian Gold Mining Sector: An Assessment of Legal Gaps, Compliance Levels, and Enforcement Regulations. *Compliance Levels, and Enforcement Regulations*. https://papers.ssrn.com/sol3/papers.cfm?abstract_id=5526004
13. Francis Kwaku Nkansah, Ebenezer J. D. Belford, **Jonathan Nartey Hogarh**, Alfred Kwablah Anim, Seyram Elom Achoribo (2025). Photosynthetic pigments and heavy metal accumulation in urban tree species as bioindicators of vehicular pollution in Winneba Municipality, Ghana. *Discover Applied Sciences*. https://doi.org/10.1007/s42452-025-07273-x
14. Emma Kofua Nsafoah, Cindy Yaa Gyeniaw, Alhassan Sulemana, Bernard Fei-Baffoe, David Azanu, Kodwo Miezah, Kofi Sekyere Boateng, Daniel Nimako Amprako, **Jonathan Nartey Hogarh**, Kwame Ohene Buabeng (2025). Relationship Between Physicochemical Parameters and Risk of Analgesics and Antibiotics of Effluents From Three Selected Hospitals in Kumasi Metropolis, Ghana. *The Scientific World JOURNAL*. https://doi.org/10.1155/tswj/2891425
15. Stephen Arthur, Lawson Mensah, Kwabena Nsafoah Koduah, Ethel Bentil, Solomon Nandomah, Isaac Kow Tetteh, **Jonathan Nartey Hogarh** (2025). The dull side of gold ore exploration and analysis: an assessment

of heavy metal pollution and ecological risk posed by untreated wastewater from gold assaying laboratories. *Environmental Monitoring and Assessment*. https://doi.org/10.1007/s10661-025-14295-w

16. **Jonathan Hogarh**, S Newton, A Sulemana (2024). Anthropometric Assessment of Classroom Furniture for Ghanaian School Children From Two Socio-Economic Areas. *Journal of Medicine Care and Health Review*. https://www.researchgate.net/profile/Sabastian-Kwesi/publication/388148182_Anthropometric_Assessment_of_Classroom_Furniture_for_Ghanaian_School_Children_From_Two_Socio-Economic_Areas/links/678becaf1ec9f9589f4dd3fb/Anthropometric-Assessment-of-Classroom-Furniture-for-Ghanaian-School-Children-From-Two-Socio-Economic-Areas.pdf
17. Boansi Adu Ababio, Marian Asantewah Nkansah, **Jonathan Nartey Hogarh**, Thomas Peprah Agyekum, Michael Kweku Commeh (2024). Gaseous air quality and health risk assessment of high school kitchens in the Kumasi Metropolis. *Environmental Advances*. https://doi.org/10.1016/j.envadv.2024.100576
18. Obemah David Nartey, Deyan Liu, Jiafa Luo, Stuart Lindsey, Zengming Chen, Junji Yuan, Mohammad Zaman, **Jonathan Nartey Hogarh**, Weixin Ding (2024). Optimizing application of dairy effluent with synthetic N fertilizer reduced nitrogen leaching in clay loam soil. *Heliyon*. https://doi.org/10.1016/j.heliyon.2024.e33900
19. **JN Hogarh** (2023). In-door Air Quality of Toll Workers in Accra, Ghana. *Ghana Journal of Technology*. https://scholar.google.com/scholar?cluster=7808577763357167369&hl=en&oi=scholarr
20. Boansi Adu Ababio, Marian Asantewah Nkansah, **Jonathan Nartey Hogarh**, Thomas Peprah Agyekum, Michael Kweku Commeh (2023). In-kitchen particulate matter emissions in high schools in the Kumasi metropolis, Ghana: Levels and the health risk assessment. *Journal of Hazardous Materials Advances*. https://doi.org/10.1016/j.hazadv.2023.100358
21. E.M. Ameho, D.O. Kpeglo, E.T. Glover, O.K. Adukpo, A. Sulemana, R. Agalga, R. Kpordzro, E. Quarshie, **J.N. Hogarh** (2023). Naturally occurring radioactive material in groundwater: potential health risk to the inhabitants at Osino in the eastern region of Ghana. *International Journal of Radiation Research*. https://doi.org/10.61186/ijrr.21.4.779
22. Daniel Nukpezah, Joseph T. Quarshie, Elvis Nyarko, **Jonathan N. Hogarh** (2022). Characterisation of litter and their deposition at the banks of coastal lagoons in Ghana. *Heliyon*. https://doi.org/10.1016/j.heliyon.2022.e08997
23. Thomas P Agyekum, John Arko-Mensah, Paul K Botwe, **Jonathan N Hogarh**, Ibrahim Issah, Duah Dwomoh, Maxwell K Billah, Samuel K Dadzie, Thomas G Robins, Julius N Fobil (2022). Effects of Elevated Temperatures on the Growth and Development of Adult Anopheles gambiae (s.l.) (Diptera: Culicidae) Mosquitoes. *Journal of Medical Entomology*. https://doi.org/10.1093/jme/tjac046
24. Thomas P. Agyekum, John Arko-Mensah, Paul K. Botwe, **Jonathan N. Hogarh**, Ibrahim Issah, Duah Dwomoh, Maxwell K. Billah, Samuel K. Dadzie, Thomas G. Robins, Julius N. Fobil (2022). Effects of elevated temperatures on the development of immature stages ofAnopheles gambiae (s.l.)mosquitoes. *Tropical Medicine & International Health*. https://doi.org/10.1111/tmi.13732
25. Angelina Boatemaa Boateng, Douglas Aninng Opoku, Nana Kwame Ayisi-Boateng, Alhassan Sulemana, Aliyu Mohammed, Joseph Osarfo, **Jonathan N. Hogarh** (2022). Factors Influencing Turnover Intention among Nurses and Midwives in Ghana. *Nursing Research and Practice*. https://doi.org/10.1155/2022/4299702
26. Martin Röösli, Samuel Fuhrimann, Aggrey Atuhaire, Hanna-Andrea Rother, James Dabrowski, Brenda Eskenazi, Erik Jørs, Paul C. Jepson, Leslie London, Saloshni Naidoo, … **Jonathan N. Hogarh** and 41 others (2022). Interventions to Reduce Pesticide Exposure from the Agricultural Sector in Africa: A Workshop Report. *International Journal of Environmental Research and Public Health*. https://doi.org/10.3390/ijerph19158973
27. Jindrich Petrlik, Lee Bell, Joe DiGangi, Serge Molly Allo'o Allo'o, Gilbert Kuepouo, Griffins Ochieng Ochola, Valeriya Grechko, Nikola Jelinek, Jitka Strakova, Martin Skalsky, … **Jonathan N. Hogarh** and 10 others (2022). Monitoring dioxins and PCBs in eggs as sensitive indicators for environmental pollution and global contaminated sites and recommendations for reducing and controlling releases and exposure. *Emerging contaminants*. https://doi.org/10.1016/j.emcon.2022.05.001

28. Junias Adusei-Gyamfi, Kofi S. Boateng, Alhassan Sulemana, **Jonathan N. Hogarh** (2022). Post COVID-19 recovery: Challenges and opportunities for solid waste management in Africa. *Environmental Challenges*. https://doi.org/10.1016/j.envc.2022.100442

29. Thomas Peprah Agyekum, John Arko-Mensah, Paul Kingsley Botwe, **Jonathan Nartey Hogarh**, Ibrahim Issah, Samuel Kweku Dadzie, Duah Dwomoh, Maxwell Kelvin Billah, Thomas Robins, Julius Najah Fobil (2022). Relationship between temperature and Anopheles gambiae sensu lato mosquitoes' susceptibility to pyrethroids and expression of metabolic enzymes. *Parasites & Vectors*. https://doi.org/10.1186/s13071-022-05273-z

30. Thomas P. Agyekum, Paul K. Botwe, John Arko-Mensah, Ibrahim Issah, Augustine A. Acquah, **Jonathan N. Hogarh**, Duah Dwomoh, Thomas G. Robins, Julius N. Fobil (2021). A Systematic Review of the Effects of Temperature on Anopheles Mosquito Development and Survival: Implications for Malaria Control in a Future Warmer Climate. *International Journal of Environmental Research and Public Health*. https://doi.org/10.3390/ijerph18147255

31. **Jonathan Hogarh**, Bennetta Koomson, Elias K. Asiam (2021). ASCERTAINING THE QUALITY OF WATER FOR IRRIGATION AND ITS IMPACT ON VEGETABLE QUALITY: A CASE STUDY ALONG THE BIBINI RIVER IN KUMASI. *Environment & Ecosystem science*. https://doi.org/10.26480/ees.02.2021.85.93

32. Michael Onwona Kwakye, Feng-Jiao Peng, **Jonathan N. Hogarh**, Paul J. Van den Brink (2021). Linking Macroinvertebrates and Physicochemical Parameters for Water Quality Assessment in the Lower Basin of the Volta River in Ghana. *Environmental Management*. https://doi.org/10.1007/s00267-021-01535-1

33. **JN Hogarh** (2021). Occupational noise-induced hearing loss among workers in church and night-club in kumasi, ghana. *The 13th ICBEN Congress on Noise as a Public Health Problem, Karolinska Institutet, Stockholm, Sweden*. https://icben.ethz.ch/2021/ICBEN%202021%20Papers/full_paper_33748.pdf

34. Albert Atabila, Dung T. Phung, **Jonathan N. Hogarh**, Julius N. Fobil, Ross Sadler, Des Connell, Cordia Chu (2021). Probabilistic health risk assessment of chlorpyrifos exposure among applicators on rice farms in Ghana. *Environmental Science and Pollution Research*. https://doi.org/10.1007/s11356-021-15354-8

35. Michael Onwona-Kwakye, **Jonathan N. Hogarh**, Paul J. Van den Brink (2020). Environmental risk assessment of pesticides currently applied in Ghana. *Chemosphere*. https://doi.org/10.1016/j.chemosphere.2020.126845

36. Michael Onwona-Kwakye, Kimberly Plants-Paris, Kadiatou Keita, Jessica Lee, Paul J. Van den Brink, **Jonathan N. Hogarh**, Charles Darkoh (2020). Pesticides Decrease Bacterial Diversity and Abundance of Irrigated Rice Fields. *Microorganisms*. https://doi.org/10.3390/microorganisms8030318

37. Philip Antwi-Agyei, Kofi Amanor, **Jonathan N. Hogarh**, Andrew J. Dougill (2020). Predictors of access to and willingness to pay for climate information services in north-eastern Ghana: A gendered perspective. *Environmental Development*. https://doi.org/10.1016/j.envdev.2020.100580

38. **JN Hogarh** (2019). Hydrogen peroxide utilisation and bio-stimulation of petroleum hydrocarbon contaminated soil from Cape Three Point. *Journal of Ghana Science Association*.

39. Philip Antwi-Agyei, Felix Kpenekuu, **Jonathan N. Hogarh**, Kwasi Obiri-Danso, Robert C. Abaidoo, Erik Jeppesen, Mathias Neumann Andersen (2019). Land Use and Land Cover Changes in the Owabi Reservoir Catchment, Ghana: Implications for Livelihoods and Management. *Geosciences*. https://doi.org/10.3390/geosciences9070286

40. Ufere N. Uka, Ebenezer J. D. Belford, **Jonathan N. Hogarh** (2019). Roadside air pollution in a tropical city: physiological and biochemical response from trees. *Bulletin of the National Research Centre/Bulletin of the National Research Center*. https://doi.org/10.1186/s42269-019-0117-7

41. Nora N. Nartey, **Jonathan N. Hogarh**, Philip Antwi-Agyei, Daniel Nukpezah, Robert C. Abaidoo, Kwasi Obiri-Danso (2019). Sedimentation and sediment core profile of heavy metals in the Owabi reservoir in Ghana. *Lakes & Reservoirs Science Policy and Management for Sustainable Use*. https://doi.org/10.1111/lre.12270

42. **Jonathan Hogarh** (2019). Short-chain chlorinated paraffins (SCCPs) in eggs from six countries. *Organohalogen Compounds*. https://ipen.org/wp-content/uploads/2025/11/abstractbookdioxin2019.pdf_-_adu-kumi_petrlik_2019-sccps.pdf

43. Julius Fobil, **JN Hogarh** (2018). Atmospheric monitoring of organochlorine pesticides across some West African countries. *Environmental Science and Pollution Research*.

44. Albert Atabila, Ross Sadler, Dung Tri Phung, **Jonathan N. Hogarh**, Stewart Carswell, Scott Turner, Renu Patel, Des Connell, Cordia Chu (2018). Biomonitoring of chlorpyrifos exposure and health risk assessment among applicators on rice farms in Ghana. *Environmental Science and Pollution Research*. https://doi.org/10.1007/s11356-018-2259-9

45. **Jonathan N. Hogarh**, Thomas P. Agyekum, Crentsil Kofi Bempah, Emmanuel D. J. Owusu-Ansah, Silas W. Avicor, Gordon A. Awandare, Julius N. Fobil, Kwasi Obiri-Danso (2018). Environmental health risks and benefits of the use of mosquito coils as malaria prevention and control strategy. *Malaria Journal*. https://doi.org/10.1186/s12936-018-2412-4

46. Albert Atabila, Dung Tri Phung, **Jonathan N. Hogarh**, Ross Sadler, Des Connell, Cordia Chu (2018). Health risk assessment of dermal exposure to chlorpyrifos among applicators on rice farms in Ghana. *Chemosphere*. https://doi.org/10.1016/j.chemosphere.2018.03.121

47. D Nukpezah, **JN Hogarh** (2018). Levels and distribution of heavy metals in Weija reservoir, Accra, Ghana. *West African Journal of Applied Ecology*. https://www.ajol.info/index.php/wajae/article/view/177603

48. A Sulemana, **JN Hogarh** (2018). Potential migration of leachate from an active landfill: spatial analysis of groundwater quality in communities surrounding the Dompoase Landfill, Kumasi, Ghana. *LAP LAMBERT Academic Publishing*. https://www.researchgate.net/profile/Alhassan-Sulemana/publication/290607380_Potential_Migration_of_Leachate_from_an_Active_Landfill_Spatial_Analysis_of_Groundwater_Quality_in_Communities_Surrounding_the_Dompoase_Landfill_Kumasi_Ghana/links/56d0360c08aeb52500ccc56b/Potential-Migration-of-Leachate-from-an-Active-Landfill-Spatial-Analysis-of-Groundwater-Quality-in-Communities-Surrounding-the-Dompoase-Landfill-Kumasi-Ghana.pdf

49. **Jonathan N. Hogarh**, Nobuyasu Seike, Yuso Kobara, Derick Carboo, Julius N. Fobil, Shigeki Masunaga (2018). Source characterization and risk of exposure to atmospheric polychlorinated biphenyls (PCBs) in Ghana. *Environmental Science and Pollution Research*. https://doi.org/10.1007/s11356-018-2090-3

50. Albert Atabila, Dung Tri Phung, **Jonathan N. Hogarh**, Paul Osei-Fosu, Ross Sadler, Des Connell, Cordia Chu (2017). Dermal exposure of applicators to chlorpyrifos on rice farms in Ghana. *Chemosphere*. https://doi.org/10.1016/j.chemosphere.2017.03.062

51. **J Hogarh**, EJD Belford (2017). Morpho-anatomical and biochemical responses of plants to air pollution. *International Journal of Modern Botany*. https://www.researchgate.net/profile/Ufere-Uka/publication/313724764_Morpho-Anatomical_and_Biochemical_Responses_of_Plants_to_Air_Pollution/links/58a4294aaca272d3a4984d0d/Morpho-Anatomical-and-Biochemical-Responses-of-Plants-to-Air-Pollution.pdf

52. **Jonathan N. Hogarh**, Philip Antwi-Agyei, Kwasi Obiri-Danso (2016). Application of mosquito repellent coils and associated self-reported health issues in Ghana. *Malaria Journal*. https://doi.org/10.1186/s12936-016-1126-8

53. Nahomi Isogai, **Jonathan N. Hogarh**, Nobuyasu Seike, Yuso Kobara, Femi Oyediran, Mengnjo J. Wirmvem, Samuel N. Ayonghe, Julius Fobil, Shigeki Masunaga (2016). Atmospheric monitoring of organochlorine pesticides across some West African countries. *Environmental Science and Pollution Research*. https://doi.org/10.1007/s11356-016-7284-y

54. **Jonathan N. Hogarh**, Ernest Adu-Gyamfi, Daniel Nukpezah, Osei Akoto, Sam Adu-Kumi (2016). Contamination from mercury and other heavy metals in a mining district in Ghana: discerning recent trends from sediment core analysis. *ENVIRONMENTAL SYSTEMS RESEARCH*. https://doi.org/10.1186/s40068-016-0067-0

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56. David K. Essumang, Albert Eshun, **Jonathan N. Hogarh**, John K. Bentum, Joseph K. Adjei, Junya Negishi, Shihori Nakamichi, Md Habibullah-Al-Mamun, Shigeki Masunaga (2016). Perfluoroalkyl acids (PFAAs) in the Pra and Kakum River basins and associated tap water in Ghana. *The Science of The Total Environment*. https://doi.org/10.1016/j.scitotenv.2016.11.035

57. **JN Hogarh** (2016). Situation analysis of the sound management of POPs in Ghana in the frame of the Stockholm Convention. *Organohalogen Compounds*.

58. **JN Hogarh**, P Antwi-Agyei, D Nukpezah (2015). Biosand filter as a household water treatment technology in ghana and its ecobusiness potential: An assessment using a lifecycle approach. *Journal of Environmental Accounting and Management*. https://www.lhscientificpublishing.com/journals/articles/DOI-10.5890-JEAM.2015.11.004.aspx

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60. Mengnjo J. Wirmvem, Takeshi Ohba, Wilson Y. Fantong, Samuel N. Ayonghe, **Jonathan N. Hogarh**, Justice Y. Suila, Asobo Nkengmatia E. Asaah, Seigo Ooki, Gregory Tanyileke, Joseph V. Hell (2014). Origin of major ions in monthly rainfall events at the Bamenda Highlands, North West Cameroon. *Journal of Environmental Sciences*. https://doi.org/10.1016/s1001-0742(13)60502-1

61. **J.N. Hogarh**, N. Seike, Y. Kobara, G.K. Ofosu-Budu, D. Carboo, S. Masunaga (2013). Atmospheric burden of organochlorine pesticides in Ghana. *Chemosphere*. https://doi.org/10.1016/j.chemosphere.2013.10.019

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65. **JN Hogarh** (2012). Progress and perspective of perfluorinated compound risk assessment and management in various countries and institutes. *Clean Technologies and Environmental Policy*. https://doi.org/10.1007/s10098-011-0375-z

66. K. Obiri-Danso, M. G. Adonadaga, **J. N. Hogarh** (2010). Effect of Agrochemical Use on the Drinking Water Quality of Agogo, a Tomato Growing Community in Ashanti Akim, Ghana. *Bulletin of Environmental Contamination and Toxicology*. https://doi.org/10.1007/s00128-010-0183-x

67. Gordon Foli, **Jonathan Hogarh**, Philip Antwi-Agyei (2010). Effectiveness of planning and implementation stages of the ISO 14001 standards EMS at the Obuasi gold mine, Ghana. *American Journal of Social and Management Sciences*. https://doi.org/10.5251/ajsms.2010.1.1.1.12

68. Julius N. Fobil, Olatunji Matthew Kolawole, **Jonathan N. Hogarh**, Derick Carboo, Frederick Rodrigues, Kwame Nkrumah (2010). WASTE MANAGEMENT FINANCING IN GHANA AND NIGERIA-HOW CAN THE CONCEPT OF POLLUTER-PAYS-PRINCIPLE (PPP) WORK IN BOTH COUNTRIES?

69. G.K. Ofosu-Budu, **J.N. Hogarh**, J.N. Fobil, A. Quaye, S.K.A. Danso, D. Carboo (2009). Harmonizing procedures for the evaluation of compost maturity in two compost types in Ghana. *Resources Conservation and Recycling*. https://doi.org/10.1016/j.resconrec.2009.08.001

70. P Antwi-Agyei, **JN Hogarh**, G Foli (2009). Trace elements contamination of soils around gold mine tailings dams at Obuasi, Ghana. *African Journal of Environmental Science and Technology*. https://www.ajol.info/index.php/ajest/article/download/56263/44708

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Book chapters 3

1. Daniel Nukpezah, **Jonathan N. Hogarh** (2022). Greening the Transportation Landscape: Toward Low-Carbon Vehicular Emissions in Ghana. *Progress in IS*. https://doi.org/10.1007/978-3-031-15420-1_14

2. Fatai A. Sowunmi, **Jonathan N. Hogarh**, Peter O. Agbola, Calvin Atewamba (2016). Sand dredging and environmental efficiency of artisanal fishermen in Lagos state, Nigeria. *Environmental Monitoring and Assessment*. https://doi.org/10.1007/s10661-016-5137-2

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Reports 2

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