

ROSERIC AZONDEKON

I am a qualified Medical Informaticist, Epidemiologist, and Medical Entomologist with a strong background in independent and group laboratory research. I have a long tenure in malaria entomology research. I am the creator, maintainer and lead developer of the [Rnssp R package](#), the [Rnssp R Markdown templates](#), the [Rnssp Shiny Apps](#) and related documentation websites.

[View this CV online](#)



EDUCATION

- PhD. Biomedical and Health Informatics**
University of Wisconsin Milwaukee 📍 Milwaukee, WI, USA
 - Public Health Informatics track
 - Thesis: [Network Analysis of Scientific Collaboration and Co-authorship of the Trifecta of Malaria, Tuberculosis and HIV/AIDS in Benin](#)
- Master Of Public Health**
University of Massachusetts Amherst 📍 Amherst, MA, USA
 - Epidemiology track
- Master Of Science in Applied Entomology**
University of Abomey-Calavi 📍 Abomey-Calavi, Benin
 - Medical and Veterinary Entomology track
- Bachelor Of Science in Biomedical Science**
University of Abomey-Calavi 📍 Abomey-Calavi, Benin
 - Medical Lab Scientist track

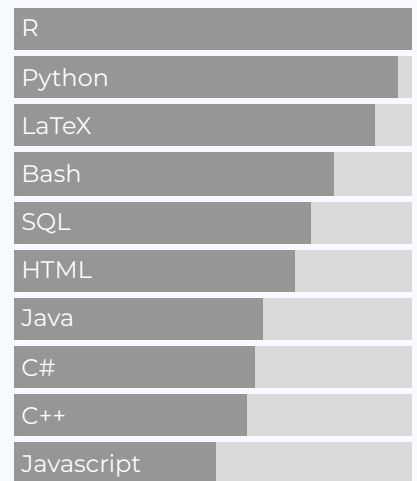
CONTACT

- ✉ roseric_2000@yahoo.fr
- 🐦 [razondekon](#)
- 🌐 [rosericazondekon](#)
- in** [rosericazondekon](#)
- 🔗 [Personal Blog](#)

WORK EXPERIENCE

- Senior Service Fellow (Informatics)**
Centers for Disease Control and Prevention (CDC), Integrated Monitoring Branch (IOD/OPHDST/DMD) 📍 Atlanta, GA, USA
 - R and Python package development and maintenance
 - R shiny app development and maintenance
 - Extensive Experience with the Electronic Surveillance System for the Early Notification of Community-Based Epidemics (ESSENCE) system

LANGUAGE SKILLS



EN

FR

Last updated on 2024-05-01.

present
|
Dec
2006

Senior Researcher

Centre de Recherche Entomologique de Cotonou, Ministry Of Health
📍 Republic of Benin

- Manuscript writing, publication and Regular presentation on progress reports at the USAID quarterly malaria meetings with implementing partners
- Designed and led multiple Mobile Data Collections of survey data using the Open Data Kit (ODK) and hand-held android devices.
- Design, Coordination and technical management of multiple malaria intervention projects as the head of the Quality Control of Insecticide Treated Tool Laboratory.

Sep
2023
|
Aug
2019

Public Health Informatics Fellow

Centers for Disease Control and Prevention (CDC), Surveillance and Data Branch (CSELS/DHIS/SDB)

📍 Atlanta, GA, USA

- R and Python package development and maintenance
- R shiny app development and maintenance
- Extensive Experience with the Electronic Surveillance System for the Early Notification of Community-Based Epidemics (ESSENCE) system

Aug
2019
|
Nov
2018

Research Analyst

Joseph J. Zilber School of Public Health, University of Wisconsin
Milwaukee

📍 Milwaukee, WI, USA

- Genomics Data Analysis (Sequence Reads Alignment, Differential Gene Expression, DNA Methylation Analysis)
- Scientific (Parallel and High Throughput) Computing
- Shiny app development

Apr 2018
|
Sep
2016

Clinical Research Assistant I

Welzig Computational Neuroscience lab, Medical College of Wisconsin

📍 Milwaukee, WI, USA

- Development of predictive models using Machine Learning techniques such as Deep Learning
- High Throughput Computing and Parallel Programming
- Acquisition, Processing and Analysis of MEG, EEG, fNIRS and fMRI data

Dec
2015
|
Sep
2015

Teaching Assistant

Joseph J. Zilber School of Public Health, University of Wisconsin
Milwaukee

📍 Milwaukee, WI, USA

- Teaching Elementary data analysis using SAS to first-year MPH students enrolled in the Introductory Biostatistics course PH 702 801-LAB 14B (SAS Lab)
- Design of quizzes and various assignments to evaluate students' progress
- Provide grading and feedback to students

May
2015
|
Nov
2014

● Graduate Research Assistant

Laboratory for Public Health Informatics and Genomics, Joseph J. Zilber School of Public Health, University of Wisconsin Milwaukee
📍 Milwaukee, WI, USA

- Genomics data analysis of RNA-seq data using R, TCGA tools, Galaxy and Chipster
- Genomics pipeline development of various Bioinformatics tools such as VirusSeq
- Analysis of gene network



SOFTWARE & TOOLS

Jan
2024

● The Rnssp Shiny Apps

Custom-built applications with seamless integration to the Rnssp R package.

- Online Documentation: <https://github.com/cdcgov/Rnssp-shiny-apps>

Feb
2023

● The pynssp Python package

A Python package to support the Community of Practice of the National Syndromic and Surveillance Program (NSSP)

- Online Documentation: <https://cdc.gov.github.io/pynssp>

Jun 2021

● The Rnssp R Markdown Templates

Custom-built, parameterized R Markdown templates with seamless integration to the Rnssp R package to enhance user experiences and streamline workflows.

- Online Documentation: <https://cdc.gov.github.io/Rnssp-rmd-templates>

Mar
2021

● The Rnssp R package

A Signature R package to support the Community of Practice of the National Syndromic and Surveillance Program (NSSP)

- Online Documentation: <https://cdc.gov.github.io/Rnssp>

Sep
2020

● The Global Vaccination Survey Analyzer (GVSA)

A standardized tool to support analysis of vaccination survey data among displaced populations

Mar
2020

● COVID-19 Exploratory Analysis Dashboard

A Near Real-Time COVID-19 Situational Awareness Shiny-Based Web Application

Apr 2018

● kdtEstimator

A small Shiny app for the estimation of Knock-Down Time based on aggregated WHO or CDC bottle Bioassay data

- Try it Live: <https://razondekon.shinyapps.io/kdtApp/>

Feb
2018

● **Authorvis**

A co-authorship network exploration, and link prediction tool specific to the scientific collaborative research network of Malaria, Tuberculosis and HIV/AIDS in the Republic of Benin

- Docker image: <https://hub.docker.com/r/rosericazondekon/authorvis>



AWARDS & GRANTS

2022

● **Excellence in Surveillance and Health Monitoring**

Centers for Disease Control and Prevention (CDC)

- CSELS Honor Award
- Healthcare Data Advisory Unit and National Syndromic Surveillance Program

2021

● **COVID-19: Excellence in Information Technology**

Centers for Disease Control and Prevention (CDC)

- CDC/ATSDR Honor Awards
- CDC Data Hub Cloud Development Team (DHIS)

2021

● **Excellence In Information Technology**

Centers for Disease Control and Prevention (CDC)

- CSELS Honor Award
- CDC Data Hub Cloud Development Team (DHIS)

2021

● **Excellence In Quantitative Sciences**

Centers for Disease Control and Prevention (CDC)

- CSELS Honor Award
- Data Science and Innovation Team (DHIS)

2021

● **Excellence In Emergency Response**

Centers for Disease Control and Prevention (CDC)

- CSELS Honor Award
- National Syndromic Surveillance Program COVID-19 Response (DHIS)

2020

● **Excellence In Partnering (COVID Winner)**

Centers for Disease Control and Prevention (CDC)

- CSELS Honor Award
- COVID-19 Laboratory and Emergency Department Data Teams (DHIS)

2019

● **Public Health Informatics Fellowship Program**

Centers for Disease Control and Prevention (CDC)

- 2016 ● **Merit Scholarship Programme for High Technology**
Islamic Development Bank
- 2015 ● **Distinguished Graduate Student Fellowship**
University of Wisconsin Milwaukee
- 2014 ● **Chancellor's Graduate Student Award**
University of Wisconsin Milwaukee
- 2013 ● **Hosmer BioStat Scholarship**
University of Massachusetts Amherst
- 2012 ● **Fulbright Foreign Student Program**
US Department of States
- 2008 ● **Master Of Science Scholarship Programme**
Islamic Development Bank



CDC DEPLOYMENTS

- Jun 2021
|
Mar 2021

● **CDC Novel Coronavirus (COVID-19) Response**
Centers for Disease Control and Prevention (CDC) 📍 Atlanta, GA, USA

 - Served as Data Scientist in the Data Analytics and Visualization Task Force
- Feb 2021
|
Dec 2020

● **CDC Novel Coronavirus (COVID-19) Response**
Centers for Disease Control and Prevention (CDC) 📍 Atlanta, GA, USA

 - Served as Data Analyst in the Data Analytics and Visualization Task Force
- Oct 2020
|
Mar 2020

● **CDC Novel Coronavirus (COVID-19) Response**
Centers for Disease Control and Prevention (CDC) 📍 Atlanta, GA, USA

 - Served as Data Analyst in the Innovation, Technology, and Analytics Section
- Dec 2019
|
Nov 2019

● **Polio Response**
Ministry of Health 📍 Republic of Benin

 - Provided technical assistance to the Ministry of Health of the Republic of Benin



CERTIFICATES & TRAINING

- Aug 2021 ● **Completion of the Public Health Informatics Fellowship Program**
Centers for Disease Control and Prevention (CDC)
- Apr 2021 ● **Interactive Python Dashboards and Apps certificate**
Accelerate
- Feb 2021 ● **Introduction to Spark with sparklyr in R**
DataCamp
- Feb 2021 ● **Object-Oriented Programming with S3 and R6 in R**
DataCamp
- Jun 2020 ● **Functions, Methods, and Interfaces in Go**
Coursera
- Jun 2020 ● **Getting Started with Go**
Coursera
- Jun 2020 ● **Introduction to TensorFlow in Python**
DataCamp
- Oct 2019 ● **Interactive Maps with leaflet in R**
DataCamp
- Oct 2019 ● **Spatial Data with R Track**
DataCamp
- Oct 2019 ● **Spatial Statistics in R**
DataCamp
- Sep 2019 ● **Advanced NLP with spaCy**
DataCamp
- Sep 2019 ● **Machine Learning for Time Series Data in Python**
DataCamp
- Sep 2019 ● **Natural Language Processing Fundamentals in Python**
DataCamp
- Sep 2019 ● **Spatial Analysis in R with sf and raster**
DataCamp
- Sep 2019 ● **Working with Geospatial Data in R**
DataCamp

Nov
2018

- **Certificate of Reviewing**
Journal of Biomedical Informatics (JBI)
 - Awarded in recognition of 3 reviews contributed to JBI

Sep
2015

- **Programming for Everybody (Python)**
Coursera



SELECTED DATA SCIENCE WRITING

2022

- **[Bisulfite Treated Sequence Read Alignment](#)**
Personal Blog
 - A tutorial to Bisulfite-treated DNA Methylation read alignment

2021

- **[Differential Gene Expression Analysis](#)**
Personal Blog
 - A Differential Gene Expression Analysis tutorial Using R

2021

- **[RNA-seq Read Alignment and Quantification](#)**
Personal Blog
 - A tutorial to RNA sequence read alignment and quantification.

2021

- **[How to Use the ESSENCE APIs with the Rnssp Package](#)**
NSSP CoP Knowledge Repository
 - An introductory guide to the Rnssp package for ESSENCE users

2021

- **[Introduction to the Rnssp package](#)**
The Rnssp package Online Documentation
 - An introductory vignette to the Rnssp package

2021

- **[Anomaly Detection and Trend Classification](#)**
The Rnssp package Online Documentation
 - A vignette to Anomaly Detection and Trend Classification with the Rnssp package

I regularly publish tutorials on bioinformatics and data science related [subjects](#)



CONFERENCE PROCEEDINGS

- Nov 2021

● **Rnssp: A Signature R Package for the National Syndromic Surveillance Program**
2021 Syndromic Surveillance Symposium

 - [Video Recording](#)
 - [Presentation Slides](#)
 - Authored with Michael Sheppard, Kelly Carey, and Aaron Kite-Powell
- Nov 2021

● **Analytic Discriminator to Reduce ESSENCE Algorithm Alerts Resulting from Abrupt Changes in Data Quality**
2021 Syndromic Surveillance Symposium

 - Authored with Howard Burkom and Michael Sheppard
- Nov 2017

● **Scientific Authorship and Collaboration Network Analysis on Malaria Research in Benin: papers indexed in the Web Of Science (1996-2016)**
American Society of Tropical Medicine and Hygiene 66th Annual Meeting

📍 Baltimore, MD, USA
- Jun 2017

● **Exploring Connectivity Dynamics using Deep Neural Network Models from Magnetoencephalographic Data**
Organization for Human Brain Mapping

📍 Vancouver, BC, Canada

 - Authored with Zachary Harper and Charles Welzig
- Nov 2015

● **Epidemiology of Hepatitis C and HIV co-infection in Asia.**
143rd American Public Health Association Annual conference

📍 Chicago, IL, USA

 - Authored with Samuel A. Abariga and Krishna C. Poudel:
- Nov 2014

● **Prevalence of Human Immunodeficiency Virus and Hepatitis C virus co-infection in Africa: A Systematic Review and Meta-analysis**
142nd APHA Annual Meeting & Exposition

📍 New Orleans, LA, USA

 - Authored with Samuel A. Abariga and Krishna C. Poudel:
- Nov 2012

● **Implementing full coverage of long lasting insecticidal nets: a good alternative strategy after cessation or abandon of indoor residual spraying**
ASTMH 61st Annual Meeting

📍 Atlanta, GA, USA

 - Authored with Akogbeto C. Martin, Osse Razaki, and Yadouleton Anges
- Nov 2009

● **Entomological profile and cartography of malaria vector insecticide resistance in Benin**
5th MIM Pan-African Malaria Conference

📍 Nairobi, Kenya



LIST OF PUBLICATIONS

- 2023 ● **Distribution and Abundance of *Aedes aegypti* and *Aedes albopictus* (Diptera: Culicidae) in Benin, West Africa**
Tropical Medicine and Infectious Disease
- Authored with Germain Gil Padonou, Alphonse Keller Konkon, Albert Sourou Salako, David Mahouton Zoungbédji, Razaki Ossè, Arthur Sovi, Aboubakar Sidick, Juvéнал Minassou Ahouandjinou, Constantin Jesukèdè Adoha, André Aimé Sominahouin, Filémon Tatchémè Tokponnon, Bruno Akinro, Haziz Sina, Lamine Baba-Moussa and Martin Codjo Akogbéto
 - DOI: [10.3390/tropicalmed8090439](https://doi.org/10.3390/tropicalmed8090439)
- 2022 ● **Impact of the COVID-19 Vaccination Program on case incidence, emergency department visits, and hospital admissions among children aged 5–17 Years during the Delta and Omicron Periods—United States, December 2020 to April 2022**
PLoS ONE
- Authored with Katherine G. Topf, Michael Sheppard, Grace E. Marx, Ryan E. Wiegand, Ruth Link-Gelles, Alison M. Binder, Andrea J. Cool, B. Casey Lyons, Sohyun Park, Hannah E. Fast, Arthur Presnetsov, Karl A. Soetebier, Jennifer Adjemian, Kamil E. Barbour
 - DOI: [10.1371/journal.pone.0276409](https://doi.org/10.1371/journal.pone.0276409)
- 2022 ● **Changes and Inequities in Adult Mental Health–Related Emergency Department Visits During the COVID-19 Pandemic in the US**
JAMA Psychiatry
- Authored with Kayla N. Anderson, Lakshmi Radhakrishnan, Rashon I. Lane, Michael Sheppard, Jourdan DeVies, Amanda R. Smith, Rebecca H. Bitsko, Kathleen P. Hartnett, Barbara Lopes-Cardozo, Rebecca T. Leeb, Katharina L. van Santen, Kelly Carey, Sophia Crossen, Taylor P. Dias, Sam Wotiz, Jennifer Adjemian, Loren Rodgers, Rashid Njai, Craig Thomas
 - DOI: [10.1001/jamapsychiatry.2022.0164](https://doi.org/10.1001/jamapsychiatry.2022.0164)
- 2021 ● **Coverage, Usage, Physical Integrity, and Bio-efficacy of Olyset Nets in the Plateau Region, South Benin Following the 2011 Nationwide Distribution**
Journal of Medical Entomology
- Authored with Arthur Sovi, Virgile Gnanguenon, Frederic Oke-Agbo, Speraud Houevoessa, Albert S Salako, Bruno Akinro, Renaud Govoetchan, Razaki Osse, Filemon Tokponnon, Gil G Padonou, and Martin C Akogbeto
 - DOI: [10.1093/jme/tjab190](https://doi.org/10.1093/jme/tjab190)

- 2021 ● **Changes in Seasonal Respiratory Illnesses in the United States During the Coronavirus Disease 2019 (COVID-19) Pandemic**
Clinical Infectious Diseases
• Authored with Loren Rodgers, Michael Sheppard, Amanda Smith, Stephanie Dietz, Praveena Jayanthi, Yan Yuan, Lara Bull, Samantha Wotiz, Tessa Schwarze, Kathleen Hartnett, Jennifer Adjemian, Hannah L Kirking, and Aaron Kite-Powell
• DOI: [10.15585/mmwr.mm7015a3](https://doi.org/10.15585/mmwr.mm7015a3)
- 2021 ● **Update: COVID-19 Pandemic-Associated Changes in Emergency Department Visits – United States, December 2020 – January 2021**
Morbidity and Mortality Weekly Report
• Authored with Jennifer Adjemian, Kathleen P. Hartnett, Aaron Kite-Powell, Jourdan DeVies, Roseric Azondekon, Lakshmi Radhakrishnan, Katharina L. van Santen, and Loren Rodgers
• DOI: [10.15585/mmwr.mm7015a3](https://doi.org/10.15585/mmwr.mm7015a3)
- 2020 ● **ImergardTMWP: A Non-Chemical Alternative for an Indoor Residual Spray, Effective against Pyrethroid-Resistant Anopheles Gambiae (s.l.) in Africa**
Insects
• Authored with Deguenon J.M., Agossa F.R., Padonou G.G., Anagonou R., Ahoga J., N'dombidje B., Akinro B., Stewart D.A., Wang B., Gittins D., Tihomirov L., Apperson C.S., McCord M.G., Akogbeto M.C., Roe R.M
• DOI: [10.3390/insects11050322](https://doi.org/10.3390/insects11050322)
- 2020 ● **Physical Integrity and Survivorship of Long-Lasting Insecticidal Nets Distributed to Households of the Same Socio-Cultural Community in Benin, West Africa**
Malaria Journal
• Authored with Idelphonse B. Ahogni, Albert S. Salako, Bruno Akinro, Arthur Sovi, Virgile Gnanguenon, Jean F. Dagnon, Pamela Akogbeto, Filemon Tokponon & Martin C. Akogbeto
• DOI: [10.1186/s12936-020-3138-7](https://doi.org/10.1186/s12936-020-3138-7)
- 2019 ● **Pesticides and the Evolution of the Genetic Structure of Anopheles Coluzzii Populations in Some Localities in Benin (West Africa)**
Malaria Journal
• Authored with Arsene Jacques Y. H. Fassinou, Come Z. Koukpo, Razaki A. Osse, Fiacre R. Agossa, Andre Sominahouin, Casimir Kpanou, Hermann Sagbohan, Boulais Yovogan, Martin C. Akogbeto, and Michel Sezonlin
• DOI: [10.1186/s12936-019-3036-z](https://doi.org/10.1186/s12936-019-3036-z)
- 2018 ● **Modeling the Complexity and Dynamics of the Malaria Research Collaboration Network in Benin, West Africa: papers indexed in the Web Of Science (1996-2016)**
AMIA Annual Symposium Proceedings
• PMID: [30815057](https://pubmed.ncbi.nlm.nih.gov/30815057/)

- 2018 ● **Scientific Authorship and Collaboration Network Analysis on Malaria Research in Benin: Papers Indexed in the Web of Science (1996 – 2016)**
Global Health Research and Policy
- Authored with Roseric Azondekon, Zachary James Harper, Fiacre Rodrigue Agossa, Charles Michael Welzig, and Susan McRoy
 - DOI: [10.1186/s41256-018-0067-x](https://doi.org/10.1186/s41256-018-0067-x)
- 2018 ● **Efficacy of a novel mode of action of an indoor residual spraying product, SumiShield® 50WG against susceptible and resistant populations of *Anopheles gambiae* (s.l.) in Benin, West Africa**
Parasites & Vectors
- Authored with Fiacre R Agossa, Gil G Padonou, Come Z Koukpo, Jacques Zola-Sahossi, Osei K Akuoko, Juniace Ahoga, Boris N'dombidje, Bruno Akinro, Arsene Jacques Y H Fassinou, Michel Sezonlin, Martin C Akogbeto
 - DOI: [10.1186/s13071-018-2869-6](https://doi.org/10.1186/s13071-018-2869-6)
- 2015 ● **Impact of Insecticide Resistance on the Effectiveness of Pyrethroid-Based Malaria Vectors Control Tools in Benin: Decreased Toxicity and Repellent Effect**
PLoS ONE
- Authored with Fiacre R Agossa, Virgile Gnanguenon, Rodrigue Anagonou, Nazaire Aizoun, Arthur Sovi, Frederic Oke-Agbo, Michel Sezonlin, Martin C Akogbeto
 - DOI: [10.1371/journal.pone.0145207](https://doi.org/10.1371/journal.pone.0145207)
- 2015 ● **Six years of experience in entomological surveillance of indoor residual spraying against malaria transmission in Benin: Lessons learned, challenges and outlooks**
Malaria Journal
- Authored with Martin C Akogbeto, Rock Y Aikpon, Roseric Azondekon, Gil G Padonou, Razaki A Osse, Fiacre R Agossa, Raymond Beach, Michel Sezonlin
 - DOI: [10.1186/s12936-015-0757-5](https://doi.org/10.1186/s12936-015-0757-5)
- 2015 ● **Malaria vectors resistance to insecticides in Benin: Current trends and mechanisms involved**
Parasites & Vectors
- Authored with Virgile Gnanguenon, Fiacre R Agossa, Kefilath Badirou, Renaud Govoetchan, Rodrigue Anagonou, Frederic Oke-Agbo, Ramziath AgbanrinYoussof, Roseline Attolou, Filemon T Tokponnon, Rock Aikpon, Razaki Osse, Martin C Akogbeto
 - DOI: [10.1186/s13071-015-0833-2](https://doi.org/10.1186/s13071-015-0833-2)

- 2015 ● **Application of Polovodova's Method for the Determination of Physiological Age and Relationship between the Level of Parity and Infectivity of Plasmodium falciparum in Anopheles gambiae ss, South-eastern Benin**
Parasites & Vectors
· Authored with Rodrigue Anagonou, Fiacre Agossa, Marc Agbogun, Frederic Oke-Agbo, Virgile Gnanguenon, Kefilath Badirou, Ramziath Agbanrin-Youssof, Roseline Attolou, Gil Germain Padonou, Arthur Sovi, Razaki Osse, Martin Akogbeto
· DOI: [10.1186/s13071-015-0731-7](https://doi.org/10.1186/s13071-015-0731-7)
- 2015 ● **Development of new combined method based on reading of ovarian tracheoles and the observation of follicular dilatations for determining the physiological age of Anopheles gambiae ss**
Journal of Cell and Animal Biology
· Authored with Rodrigue Anagonou, Fiacre Agossa, Virgile Gnanguenon, Bruno Akinro, Gil Germain Padonou, Renaud Govoetchan, Rock Aikpon, Arthur Sovi
· DOI: [10.5897/JCAB2014.0424](https://doi.org/10.5897/JCAB2014.0424)
- 2014 ● **Transmission patterns of Plasmodium falciparum by Anopheles gambiae in Benin**
Malaria Journal
· Authored with Virgile Gnanguenon, Renaud Govoetchan, Fiacre R Agossa, Razaki Osse, Frederic Oke-Agbo, Arthur Sovi, Roseline Attolou, Kefilath Badirou, Filemon T Tokponnon, Gil G Padonou, Martin C Akogbeto
· DOI: [10.1186/1475-2875-13-444](https://doi.org/10.1186/1475-2875-13-444)
- 2014 ● **Study of the efficacy of a Wheaton coated bottle with permethrin and deltamethrin in laboratory conditions and a WHO impregnated paper with bendiocarb in field conditions**
Asian Pacific Journal of Tropical Biomedicine
· Authored with Nazaire Aizoun, Rock Aikpon, Virgile Gnanguenon, Razaki Osse, Alex Asidi, Martin Akogbeto
· DOI: [10.12980/APJTB.4.2014C1111](https://doi.org/10.12980/APJTB.4.2014C1111)
- 2014 ● **Status of organophosphate and carbamate resistance in Anopheles gambiae sensu lato from the Sudano Guinean area in the central part of Benin, West Africa**
Journal of Cell and Animal Biology
· Authored with Nazaire Aizoun, Virgile Gnanguenon, Rodrigue Anagonou, Rock Aikpon, Martin Akogbeto
· DOI: [10.5897/JCAB2013.0400](https://doi.org/10.5897/JCAB2013.0400)

- 2014 ● **Comparative susceptibility to permethrin of two *Anopheles gambiae* s.l. populations from Southern Benin, regarding mosquito sex, physiological status, and mosquito age**
Asian Pacific Journal of Tropical Biomedicine
· Authored with Nazaire Aizoun, Rock Aikpon, Roseric Azondekon, Alex Asidi, Martin Akogbeto
· DOI: [10.12980/APJTB.4.2014C1093](https://doi.org/10.12980/APJTB.4.2014C1093)
- 2014 ● **Centre for Disease Control and Prevention (CDC) bottle bioassay: A real complementary method to World Health Organization (WHO) susceptibility test for the determination of insecticide susceptibility in malaria vectors**
Journal of Parasitology and Vector Biology
· Authored with Nazaire Aizoun, Rock Aikpon, Virgile Gnanguenon, Razaki Osse, Gil Germain Padonou, Martin Akogbeto
· DOI: [10.5897/JPVB2013.0144](https://doi.org/10.5897/JPVB2013.0144)
- 2014 ● **Dynamics of insecticide resistance and exploring biochemical mechanisms involved in pyrethroids and dichlorodiphenyltrichloroethane (DDT) cross-resistance in *Anopheles gambiae* s.l. populations from Benin, West Africa**
Journal of Cell and Animal Biology
· Authored with Nazaire Aizoun, Rock Aikpon, Rodrigue Anagonou, Virgile Gnanguenon, Martin Akogbeto
· DOI: [10.5897/JCAB2014.0406](https://doi.org/10.5897/JCAB2014.0406)
- 2014 ● **Microdistribution of the resistance of malaria vectors to Deltamethrin in the region of Plateau (southeastern Benin) in preparation for an assessment of the impact of resistance on the effectiveness of Long Lasting Insecticidal Nets (LLINs)**
BMC Infectious Diseases
· Authored with Arthur Sovi, Innocent Djegbe, Lawal Soumanou, Filemon Tokponnon, Virgile Gnanguenon, Frederic Oke-Agbo, Mariam Oke, Alioun Adechoubou, Achille Massougbodji, Vincent Corbel, Martin Akogbeto
· DOI: [10.1186/1471-2334-14-103](https://doi.org/10.1186/1471-2334-14-103)
- 2014 ● **Evidence for perennial malaria in rural and urban areas under the Sudanian climate of Kandi, Northeastern Benin**
Parasites & Vectors
· Authored with Renaud Govoetchan, Virgile Gnanguenon, Rodrigue Fiacre Agossa, Arthur Sovi, Frederic Oke-Agbo, Razaki Osse, Martin Akogbeto
· DOI: [10.1186/1756-3305-7-79](https://doi.org/10.1186/1756-3305-7-79)

- 2014 ● **Durability assessment results suggest a serviceable life of two, rather than three, years for the current long-lasting insecticidal (mosquito) net (LLIN) intervention in Benin**
BMC Infectious Diseases
· Authored with Virgile Gnanguenon, Frederic Oke-Agbo, Raymond Beach, Martin Akogbeto
· DOI: [10.1186/1471-2334-14-69](https://doi.org/10.1186/1471-2334-14-69)
- 2014 ● **Efficacy of various insecticides recommended for indoor residual spraying: Pirimiphos methyl, potential alternative to bendiocarb for pyrethroid resistance management in Benin, West Africa**
Transactions of The Royal Society of Tropical Medicine and Hygiene
· Authored with Fiacre R Agossa, Rock Aikpon, Renaud Govoetchan, Gil Germais Padonnou, Olivier Oussou, Frederic Oke-Agbo, Martin C Akogbeto
· DOI: [10.1093/trstmh/trt117](https://doi.org/10.1093/trstmh/trt117)
- 2014 ● **A tracking tool for long-lasting insecticidal (mosquito) net intervention following a 2011 national distribution in Benin**
Parasites & Vectors
· Authored with Virgile Gnanguenon, Frederic Oke-Agbo, Speraud Houevoessa, Michael Green, Martin Akogbeto
· DOI: [10.1186/1756-3305-7-6](https://doi.org/10.1186/1756-3305-7-6)
- 2014 ● **Comparative susceptibility to permethrin of two *Anopheles gambiae* s.l. populations from Southern Benin, regarding mosquito sex, physiological status, and mosquito age**
Asian Pacific Journal of Tropical Biomedicine
· Authored with Nazaire Aizoun, Rock Aikpon, Alex Asidi, Martin Akogbeto
· DOI: [10.12980/APJTB.4.2014C1093](https://doi.org/10.12980/APJTB.4.2014C1093)
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