



## 2<sup>nd</sup> Symposium for Emerging Viral Diseases

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<https://www.unige.ch/emerging-virus-symposium/>

### Assaf Anyamba: Rift-Valley-Fever Outbreak Assessment by Satellite-based Land Surface Analysis



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Dr. Assaf Anyamba is a Principal Research Scientist with Universities Space Research Association (USRA) at NASA's Goddard Space Flight Center, Greenbelt, Maryland, USA. He graduated with a BA – Geography, and Economics, Kenyatta University, Nairobi, Kenya; MA - Geography (GIS, Remote Sensing), Ohio University, Athens, OH, and PhD – Geography (Remote Sensing and Climate), Clark University, Worcester, MA. His research interests are in the extraction of interannual climate variability signals associated with El Niño Southern Oscillation from satellite measurements, drought pattern analysis, applications of satellite data in agricultural monitoring and ecologically coupled diseases. He leads research and applications development projects for DoD/Defense Health Agency -Armed Forces Health Surveillance Branch- Global Emerging Infections Surveillance (DHA/AFSHB-GEIS) on Rift Valley fever Monitoring, Mapping and Prediction (RVF Monitor), USDA/Foreign Agricultural Service Global Agricultural Monitoring project (GLAM), Defense Threat Reduction Agency (DTRA) Chemical and Biological Technologies Department's Biosurveillance ecosystem (BSVE) on Global Chikungunya Mapping and Risk Prediction (CHIKRisk) and supports climate and remote sensing data analysis EcoHealth's DTRA Rift Valley in South Africa project. He has published 65 peer-reviewed publications in a variety journals. He is a recipient of USRA President's Individual Scientific Excellence Award (2017), FDA Leveraging/Collaboration Award (2013), Interagency Partnership Award from the Federal Laboratory Consortium for Technology Transfer (FLC) (2010), USDA ARS Technology Transfer Award (2009), The National Aeronautics and Space Administration Group Achievement Award to the Goddard Applied Sciences Team (2008), Certificate of Contribution to the World Health Organization (2006), Department of Defense Global Emerging Infections System Outstanding Support Award (2003) and John I. Davidson President's First Place Award for Practical Papers from the American Society of Photogrammetry and Remote Sensing (ASPRS) (2003).