



Dr. Abdallah Samy

Date of birth: 25/09/1984


Nationality: Egyptian

Gender: Male

CONTACT

 Ain Shams University, null
11566 Cairo, Egypt

 samy@sci.asu.edu.eg

 (+20) 1006591640

Skype: drabdallahsamy

WORK EXPERIENCE

01/03/2019 – CURRENT – Cairo, Egypt

Director of visiting scholars and missions office

Ain Shams University

09/2016 – CURRENT – Cairo, Egypt

Lecturer and Research Scientist

Faculty of Science, Ain Shams University

www.asu.edu.eg / Khalifa El-Maamon Street, Abbassia, 11566, Cairo, Egypt

20/10/2021 – CURRENT – Göttingen, Germany

Guest Lecturer

University of Göttingen

01/07/2018 – CURRENT – Bayreuth, Germany

Guest Lecturer

University of Bayreuth

http://www.summerschool.uni-bayreuth.de/en/Courses_2019/Public_Health_Global_Change/index.html / Bayreuth, Germany

01/04/2019 – CURRENT – Calavi, Benin

Guest Lecturer

Université d'Abomey Calavi (UAC)

Calavi, Benin

10/2016 – CURRENT

Expert

GOVLAB/ Inter-American Development Bank

Expert in Smarter Crowdsourcing (Zika predictive analytics).

New York, United States

02/2017 – CURRENT

Fulbright Alumni Digital Diplomat

US Fulbright Program, Bureau of Educational and Cultural Affairs

Fulbright Alumni Digital Diplomats are integral members of the Fulbright alumni digital community.

Dedicated to sharing updates and experiences with fellow Fulbright alumni from around the world.

Serve as an ambassador for the Fulbright Program and its mission of fostering cultural exchange and mutual understanding between the people of the United States and the people of other countries.

Washington, DC, United States

07/2012 – 06/2016

Fulbright Scholar

Fulbright program, Bureau of Educational and Cultural Affairs

United States

09/2009 – 09/2016

Assistant Lecturer

Faculty of Science, Ain Shams University

www.asu.edu.eg / Khalifa El-Maamon Street, Abbassia, 11566, Cairo, Egypt

04/2006 – 09/2009

Demonstrator (staff member)

Faculty of Science, Ain Shams University

www.asu.edu.eg / Khalifa El-Maamon Street, Abbassia, 11566, Cairo, Egypt

06/2005 – 09/2009

Researcher

Research and Training Center on Vectors of Diseases, Ain Shams University

www.asu.edu.eg / Khalifa El-Maamon Street, Abbassia, 11566, Cairo, Egypt

EDUCATION AND TRAINING

08/2012 – 05/2016 – 1345 Jayhawk Blvd, Lawrence, Kansas, United States

Doctor of Philosophy (PhD) in Ecology and Evolutionary Biology (with honors)

University of Kansas

PhD thesis entitled " Geographic distribution modeling of infectious disease dynamics in space and time"

Main achievements:

- The first study to describe the potential geographic distribution of mycetoma across Sudan and South Sudan (i.e. one of very few studies available influencing WHO committee to include mycetoma among the list of the neglected tropical diseases (NTDs).
- Identification of Mycetoma-*Acacia* association.
- The first to assess the detailed transmission cycle of zoonotic cutaneous leishmaniasis in Libya (i.e. model the potential geographic distribution of vectors, parasite, and reservoirs and examine their environmental and spatial overlap).
- Identification of the current and future geographic potential of bluetongue virus and provide a detailed database for case occurrences across the world.
- Provided detailed phylogenetic analyses and demographic history of Rift Valley Fever Virus (RVFV).
- Track RVFV transitions among countries and among hosts.

<http://ku.edu>

09/2005 – 08/2009 – Khalifa El-Maamon Street, Abbassia, Cairo, Egypt

Master of Science (Entomology and Vector-borne diseases)

Faculty of Science, Ain Shams University

MSc thesis entitled " Sandfly vectors and rodent reservoirs responsible for leishmaniasis transmission in a remote area of North Sinai (Egypt)"

Main achievements:

- The first to record *Leishmania tropica* parasites in Egypt.
- Tracking the leishmaniasis outbreaks occurred across Sinai Peninsula in 2005 to 2009.
- Updating the sandfly fauna across North Sinai.
- The first to use very sensitive molecular techniques (Real Time PCR and RFLPs) to identify *Leishmania* parasites circulation in a remote area of North Sinai bordering Palestine territories.
- Assessing the vector competence of different vectors to transmit *L. tropica* and *L. major* strains isolated in the study.
- Providing successful experimental animal models for transmission of *L. major* and *L. tropica*.
- Confirming the possible viscerotropic infections caused by *L. tropica* in both experimental and wild animals.

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09/2001 – 06/2005 – Khalifa El-Maamon Street, Abbassia, Cairo, Egypt

Bachelor of Science

Faculty of Science, Ain Shams University

Two graduation projects were developed in partial fulfilment of B Sc degree

- Comparative immunology of human and arthropod
- Insect-fungi relationships and their application in the insect control programs

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LANGUAGE SKILLS

MOTHER TONGUE(S): Arabic

OTHER LANGUAGE(S):

English

Listening C2	Reading C2	Spoken production C2	Spoken interaction C2	Writing C2
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French

Listening C1	Reading C1	Spoken production C2	Spoken interaction C1	Writing C1
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PUBLICATIONS

● **The global burden of adolescent and young adult cancer in 2019: a systematic analysis for the Global Burden of Disease Study 2019**

2021 [https://www.thelancet.com/journals/lanonc/article/PIIS1470-2045\(21\)00581-7/fulltext](https://www.thelancet.com/journals/lanonc/article/PIIS1470-2045(21)00581-7/fulltext)
Lancet Oncol. S1470-2045(21)00581-

● **Global, regional and national burden of bladder cancer and its attributable risk factors in 204 countries and territories, 1990–2019: a systematic analysis for the Global Burden of Disease study 2019**

2021 <https://gh.bmj.com/content/6/11/e004128.long>
BMJ Glob Health . 6(11):e004128.

● **Global, regional, and national mortality among young people aged 10-24 years, 1950-2019: a systematic analysis for the Global Burden of Disease Study 2019**

2021 [https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(21\)01546-4/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(21)01546-4/fulltext)
Lancet . 398(10311):1593-1618

● **Global, regional, and national sex-specific burden and control of the HIV epidemic, 1990-2019, for 204 countries and territories: the Global Burden of Diseases Study 2019**

2021 [https://www.thelancet.com/journals/lanhiv/article/PIIS2352-3018\(21\)00152-1/fulltext](https://www.thelancet.com/journals/lanhiv/article/PIIS2352-3018(21)00152-1/fulltext)
Lancet HIV. 8(10): e633-e651.

● **Global, regional, and national sex differences in the global burden of tuberculosis by HIV status, 1990-2019: results from the Global Burden of Disease Study 2019**

2021 [https://www.thelancet.com/journals/laninf/article/PIIS1473-3099\(21\)00449-7/fulltext](https://www.thelancet.com/journals/laninf/article/PIIS1473-3099(21)00449-7/fulltext)
Lancet Infect Dis. S1473-3099(21)00449-7.

● **Tracking development assistance for health and for COVID-19: a review of development assistance, government, out-of-pocket, and other private spending on health for 204 countries and territories, 1990-2050**

2021 [https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(21\)01258-7/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(21)01258-7/fulltext)
Lancet. 398(10308):1317-1343.

● **Global, regional, and national burden of stroke and its risk factors, 1990- 2019: a systematic analysis for the Global Burden of Disease Study 2019**

2021 [https://www.thelancet.com/journals/laneur/article/PIIS1474-4422\(21\)00252-0/fulltext](https://www.thelancet.com/journals/laneur/article/PIIS1474-4422(21)00252-0/fulltext)
Lancet Neurology. S1474-4422(21)00252-0.

● **Global, regional, and national progress towards Sustainable Development Goal 3.2 for neonatal and child health: all-cause and cause-specific mortality findings from the Global Burden of Disease Study 2019**

2021 [https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(21\)01207-1/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(21)01207-1/fulltext)
Lancet. S0140-6736(21)01207-1.

● **Global, regional, and national burden of respiratory tract cancers and associated risk factors from 1990 to 2019: a systematic analysis for the Global Burden of Disease Study 2019.**

2021 [https://www.thelancet.com/journals/lanres/article/PIIS2213-2600\(21\)00164-8/fulltext](https://www.thelancet.com/journals/lanres/article/PIIS2213-2600(21)00164-8/fulltext)
Lancet Respir Med. S2213-2600(21)00164-8.

● **Measuring routine childhood vaccination coverage in 204 countries and territories, 1980-2019: a systematic analysis for the Global Burden of Disease Study 2020, Release 1**

2021 [https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(21\)00984-3/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(21)00984-3/fulltext)
Lancet. 398(10299):503-521.

● **Predicting the environmental suitability for onchocerciasis in Africa as an aid to elimination planning**

2021 <https://journals.plos.org/plosntds/article?id=10.1371/journal.pntd.0008824>
PLoS Negl Trop Dis. 15(7): e0008824.

● **Mapping inequalities in exclusive breastfeeding in low- and middle-income countries, 2000-2018**

2021 <https://www.nature.com/articles/s41562-021-01108-6>
Nat Hum Behav. 5(8):1027-1045.

● **Public health utility of cause of death data: applying empirical algorithms to improve data quality**

2021 <https://bmcmedinformdecismak.biomedcentral.com/articles/10.1186/s12911-021-01501-1>
BMC Med Inform Decis Mak. 21(1):175.

● **Subnational mapping of HIV incidence and mortality among individuals aged 15-49 years in sub-Saharan Africa, 2000-18: a modelling study**

2021 [https://www.thelancet.com/journals/lanhiv/article/PIIS2352-3018\(21\)00051-5/fulltext](https://www.thelancet.com/journals/lanhiv/article/PIIS2352-3018(21)00051-5/fulltext)
Lancet HIV. 8(6): e363- e375.

● **Spatial, temporal, and demographic patterns in prevalence of chewing tobacco use in 204 countries and territories, 1990-2019: a systematic analysis from the Global Burden of Disease Study 2019**

2021 [https://www.thelancet.com/journals/lanpub/article/PIIS2468-2667\(21\)00065-7/fulltext](https://www.thelancet.com/journals/lanpub/article/PIIS2468-2667(21)00065-7/fulltext)
Lancet Public Health. 6(7): e482-e499.

● **Spatial, temporal, and demographic patterns in prevalence of smoking tobacco use and attributable disease burden in 204 countries and territories, 1990-2019: a systematic analysis from the Global Burden of Disease Study 2019**

2021 <https://www.thelancet.com/journals/lancet/article/PIIS0140-67362101169-7/fulltext>
Lancet. 397(10292):2337- 2360.

● **Hearing loss prevalence and years lived with disability, 1990-2019: findings from the global burden of disease study 2019**

2021 [https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(21\)00516-X/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(21)00516-X/fulltext)
Lancet. 397(10278): 996-1009.

● **Assessing the Potential Distributions of the Invasive Mosquito Vector *Aedes albopictus* and Its Natural *Wolbachia* Infections in México**

2021 <https://www.mdpi.com/2075-4450/12/2/143>

Insects. 12(2):143.

● **Mapping routine measles vaccination in low- and middle-income countries**

2021 <https://www.nature.com/articles/s41586-020-03043-4>
Nature. 589(7842):415-419.

● **Trends in prevalence of blindness and distance and near vision impairment over 30 years: an analysis for the Global Burden of Disease Study**

2021 [https://www.thelancet.com/journals/langlo/article/PIIS2214-109X\(20\)30425-3/fulltext](https://www.thelancet.com/journals/langlo/article/PIIS2214-109X(20)30425-3/fulltext)
Lancet Glob Health. 9(2): e130-e143.

● **Causes of blindness and vision impairment in 2020 and trends over 30 years, and prevalence of avoidable blindness in relation to VISION 2020: The Right to Sight: an analysis for the Global Burden of Disease Study**

2021 [https://www.thelancet.com/journals/langlo/article/PIIS2214-109X\(20\)30489-7/fulltext](https://www.thelancet.com/journals/langlo/article/PIIS2214-109X(20)30489-7/fulltext)
Lancet Glob Health. 9(2): e144-e160.

● **Global burden of 87 risk factors in 204 countries and territories, 1990- 2019: a systematic analysis for the Global Burden of Disease Study 2019**

2020 [https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(20\)30752-2/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(20)30752-2/fulltext)
Lancet. 396(10258):1223-1249.

● **Global burden of 369 diseases and injuries in 204 countries and territories, 1990-2019: a systematic analysis for the Global Burden of Disease Study 2019**

2020 [https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(20\)30925-9/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(20)30925-9/fulltext)
Lancet. 396(10258):1204-1222.

● **Global Burden of Cardiovascular Diseases and Risk Factors, 1990-2019: Update from the GBD 2019 Study**

2020 <https://www.sciencedirect.com/science/article/pii/S0735109720377755>
J Am Coll Cardiol. 76(25):2982-3021.

● **Global age-sex-specific fertility, mortality, healthy life expectancy (HALE), and population estimates in 204 countries and territories, 1950-2019: a comprehensive demographic analysis for the Global Burden of Disease Study 2019**

2020 [https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(20\)30977-6/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(20)30977-6/fulltext)
Lancet. 396(10258):1160- 1203.

● **Five insights from the Global Burden of Disease Study 2019**

2020 [https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(20\)31404-5/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(20)31404-5/fulltext)
Lancet. 396(10258):1135-1159.

● **Seroprevalence and associated risk factors of Dengue fever in Kassala state, eastern Sudan**

2020 <https://journals.plos.org/plosntds/article?id=10.1371/journal.pntd.0008918>
PLoS Negl Trop Dis. 14(12): e0008918.

● **Recognizing sources of uncertainty in disease vector ecological niche models: an example with the tick *Rhipicephalus sanguineus sensu lato***

2020 <https://www.sciencedirect.com/science/article/pii/S2530064420300171>
Perspect Ecol Conser. 18(2): 91-102

● **Mapping Brazilian Spotted Fever: linking etiological agent, vectors, and hosts**

2020 <https://www.sciencedirect.com/science/article/pii/S0001706X20300577>
Acta Trop. 105496.

● **Buffalopox Virus: An Emerging Virus in Livestock and Humans**

2020 <https://www.mdpi.com/2076-0817/9/9/676>
Pathogens. 9(9): E676.

● **Acknowledging uncertainty in evolutionary reconstructions of ecological niches**

2020 <https://onlinelibrary.wiley.com/doi/full/10.1002/ece3.6359>
Ecol Evol. 10(14):6967-6977.

● **Middle East Respiratory Syndrome Coronavirus (MERS-CoV): State of the Science**

2020 <https://www.mdpi.com/2076-2607/8/7/991>
Microorganisms. 8(7): E991.

● **Measuring universal health coverage based on an index of effective coverage of health services in 204 countries and territories, 1990-2019: a systematic analysis for the Global Burden of Disease Study 2019**

2020 [https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(20\)30750-9/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(20)30750-9/fulltext)
Lancet. S0140-6736(20)30750-9.

● **Estimating global injuries morbidity and mortality: methods and data used in the Global Burden of Disease 2017 study**

2020 https://injuryprevention.bmj.com/content/26/Suppl_2/i125
Inj Prev. injuryprev-2019-043531.

● **Mapping geographical inequalities in access to drinking water and sanitation facilities in low-income and middle-income countries, 2000-17**

2020 [https://www.thelancet.com/journals/langlo/article/PIIS2214-109X\(20\)30278-3/fulltext](https://www.thelancet.com/journals/langlo/article/PIIS2214-109X(20)30278-3/fulltext)
Lancet Glob Health. 8(9): e1162-e1185.

● **The global distribution of lymphatic filariasis, 2000-18: a geospatial analysis**

2020 [https://www.thelancet.com/journals/langlo/article/PIIS2214-109X\(20\)30286-2/fulltext](https://www.thelancet.com/journals/langlo/article/PIIS2214-109X(20)30286-2/fulltext)
Lancet Glob Health. 8(9): e1186-e1194.

● **Mapping geographical inequalities in oral rehydration therapy coverage in low-income and middle-income countries, 2000-17**

2020 [https://www.thelancet.com/journals/langlo/article/PIIS2214-109X\(20\)30230-8/fulltext](https://www.thelancet.com/journals/langlo/article/PIIS2214-109X(20)30230-8/fulltext)
Lancet Glob Health. 8(8): e1038-e1060.

● **Prevalence and attributable health burden of chronic respiratory diseases, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017**

2020 [https://www.thelancet.com/journals/lanres/article/PIIS2213-2600\(20\)30105-3/fulltext](https://www.thelancet.com/journals/lanres/article/PIIS2213-2600(20)30105-3/fulltext)
Lancet Respir Med. 8(6):585-596.

● **Mapping geographical inequalities in childhood diarrhoeal morbidity and mortality in low-income and middle-income countries, 2000-17: analysis for the Global Burden of Disease Study 2017**

2020 [https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(20\)30114-8/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(20)30114-8/fulltext)

Lancet. 395(10239):1779-1801.

● **Health sector spending and spending on HIV/AIDS, tuberculosis, and malaria, and development assistance for health: progress towards Sustainable Development Goal 3**

2020 [https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(20\)30608-5/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(20)30608-5/fulltext)

Lancet. 396(10252):693-724.

● **Global injury morbidity and mortality from 1990 to 2017: results from the Global Burden of Disease Study 2017**

2020 https://injuryprevention.bmj.com/content/26/Suppl_2/i96.long

Injury Prevention. 26(Suppl 1):i96-i114.

● **Mapping local patterns of childhood overweight and wasting in low- and middleincome countries between 2000 and 2017**

2020 <https://www.nature.com/articles/s41591-020-0807-6>

Nat Med 26, 750–759

● **The global, regional, and national burden of oesophageal cancer and its attributable risk factors in 195 countries and territories, 1990- 2017: a systematic analysis for the Global Burden of Disease Study 2017**

2020 [https://www.thelancet.com/journals/langas/article/PIIS2468-1253\(20\)30007-8/fulltext](https://www.thelancet.com/journals/langas/article/PIIS2468-1253(20)30007-8/fulltext)

Lancet Gastroenterol Hepatol. pii: S2468-1253(20)30007-8.

● **Global trends of hand and wrist trauma: a systematic analysis of fracture and digit amputation using the Global Burden of Disease 2017 Study**

2020 https://injuryprevention.bmj.com/content/26/Suppl_2/i115

Inj Prev. pii: injuryprev-2019- 043495.

● **The burden of unintentional drowning: global, regional, and national estimates of mortality from the Global Burden of Disease 2017 Study**

2020 https://injuryprevention.bmj.com/content/26/Suppl_2/i83

Inj Prev. pii: injuryprev- 2019-043484.

● **Global and regional burden of cancer in 2016 arising from occupational exposure to selected carcinogens: a systematic analysis for the Global Burden of Disease Study 2016**

2020 <https://oem.bmj.com/content/77/3/151>

Occup Environ Med. 77(3):151-159.

● **Global and regional burden of chronic respiratory disease in 2016 arising from non-infectious airborne occupational exposures: a systematic analysis for the Global Burden of Disease Study 2016**

2020 <https://oem.bmj.com/content/77/3/142.long>

Occup Environ Med. 77(3):142-150.

● **Global and regional burden of disease and injury in 2016 arising from occupational exposures: a systematic analysis for the Global Burden of Disease Study 2016**

<https://oem.bmj.com/content/77/3/151>

Occup Environ Med. 77(3):133-141.

● **The global, regional, and national burden of cirrhosis by cause in 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017**

2020 [https://www.thelancet.com/journals/langas/article/PIIS2468-1253\(19\)30349-8/fulltext](https://www.thelancet.com/journals/langas/article/PIIS2468-1253(19)30349-8/fulltext)

Lancet Gastroenterol Hepatol. 5(3):245-266.

● **Mapping child growth failure across low- and middle-income countries**

2020 <https://www.nature.com/articles/s41586-019-1878-8>

Nature. 577(7789):231-234.

● **Burden of injury along the development spectrum: associations between the Socio-demographic Index and disability-adjusted life year estimates from the Global Burden of Disease Study 2017**

2020 https://injuryprevention.bmj.com/content/26/Suppl_2/i12

Inj Prev. 26(Suppl 1):i12-i26.

● **Epidemiology of facial fractures: incidence, prevalence and years lived with disability estimates from the Global Burden of Disease 2017 study**

2020 https://injuryprevention.bmj.com/content/26/Suppl_2/i27

Inj Prev. pii: injuryprev-2019-043297.

● **Mapping disparities in education across low- and middle-income countries**

2020 <https://www.nature.com/articles/s41586-019-1872-1>

Nature. 577(7789):235-238

● **Mapping the environmental suitability of etiological agent and tick vectors of Crimean-Congo Hemorrhagic Fever**

2019 <https://www.sciencedirect.com/science/article/abs/pii/S0001706X19315487>

Acta Trop. 105319.

● **Epidemiology of injuries from fire, heat and hot substances: global, regional and national morbidity and mortality estimates from the Global Burden of Disease 2017 study**

2019 https://injuryprevention.bmj.com/content/26/Suppl_2/i36

Inj Prev. pii: injuryprev-2019-043299.

● **Quantifying risks and interventions that have affected the burden of diarrhoea among children younger than 5 years: an analysis of the Global Burden of Disease Study 2017**

2020 [https://www.thelancet.com/journals/laninf/article/PIIS1473-3099\(19\)30401-3/fulltext](https://www.thelancet.com/journals/laninf/article/PIIS1473-3099(19)30401-3/fulltext)

Lancet Infect Dis. pii: S1473-3099(19)30401-3.

● **Quantifying risks and interventions that have affected the burden of lower respiratory infections among children younger than 5 years: an analysis for the Global Burden of Disease Study 2017**

2019 [https://www.thelancet.com/journals/laninf/article/PIIS1473-3099\(19\)30410-4/fulltext](https://www.thelancet.com/journals/laninf/article/PIIS1473-3099(19)30410-4/fulltext)

Lancet Infect Dis. pii: S1473-3099(19)30410-4.

● **The global, regional, and national burden of colorectal cancer and its attributable risk factors in 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017**

2019 [https://www.thelancet.com/journals/langas/article/PIIS2468-1253\(19\)30345-0/fulltext](https://www.thelancet.com/journals/langas/article/PIIS2468-1253(19)30345-0/fulltext)

Lancet Gastroenterol Hepatol. 4(12):913-933.

● **The global, regional, and national burden of pancreatic cancer and its attributable risk factors in 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017**

2019 [https://www.thelancet.com/journals/langas/article/PIIS2468-1253\(19\)30347-4/fulltext](https://www.thelancet.com/journals/langas/article/PIIS2468-1253(19)30347-4/fulltext)
Lancet Gastroenterol Hepatol. 4(12):934-947.

● **The global, regional, and national burden of stomach cancer in 195 countries, 1990-2017: a systematic analysis for the Global Burden of Disease study 2017**

2019 [https://www.thelancet.com/journals/langas/article/PIIS2468-1253\(19\)30328-0/fulltext](https://www.thelancet.com/journals/langas/article/PIIS2468-1253(19)30328-0/fulltext)
Lancet Gastroenterol Hepatol. pii: S2468-1253(19)30328-0.

● **Mapping 123 million neonatal, infant and child deaths between 2000 and 2017**

2019 <https://www.nature.com/articles/s41586-019-1545-0>
Nature. 574(7778):353-358.

● **The global burden of non-typhoidal salmonella invasive disease: a systematic analysis for the Global Burden of Disease Study 2017**

2019 [https://www.thelancet.com/journals/laninf/article/PIIS1473-3099\(19\)30418-9/fulltext](https://www.thelancet.com/journals/laninf/article/PIIS1473-3099(19)30418-9/fulltext)
Lancet Infect Dis. 19(12):1312- 1324.

● **Global, Regional, and National Cancer Incidence, Mortality, Years of Life Lost, Years Lived with Disability, and Disability-Adjusted Life-Years for 29 Cancer Groups, 1990 to 2017: A Systematic Analysis for the Global Burden of Disease Study**

2019 <https://jamanetwork.com/journals/jamaoncology/fullarticle/2752381>
JAMA Oncol. 5(12):1749-1768.

● **Identifying asymptomatic Leishmania infections in non-endemic villages in Gedaref state, Sudan**

2019 <https://bmccresnotes.biomedcentral.com/articles/10.1186/s13104-019-4608-2>
BMC Res Notes. 12(1):566.

● **Global, regional, and national incidence, prevalence, and mortality of HIV, 1980- 2017, and forecasts to 2030, for 195 countries and territories: a systematic analysis for the Global Burden of Diseases, Injuries, and Risk Factors Study 2017**

2019 [https://linkinghub.elsevier.com/retrieve/pii/S2352-3018\(19\)30196-1](https://linkinghub.elsevier.com/retrieve/pii/S2352-3018(19)30196-1)
Lancet HIV. 6(12):e831-e859.

● **The global burden of childhood and adolescent cancer in 2017: an analysis of the Global Burden of Disease Study 2017**

2019 [https://www.thelancet.com/journals/lanonc/article/PIIS1470-2045\(19\)30339-0/fulltext](https://www.thelancet.com/journals/lanonc/article/PIIS1470-2045(19)30339-0/fulltext)
Lancet Oncol. 20(9):1211-1225.

● **Towards harmonisation of entomological surveillance in the Mediterranean area**

2019 <https://journals.plos.org/plosntds/article?id=10.1371/journal.pntd.0007314>
PLoS Negl Trop Dis 13(6): e0007314.

● **Past, present, and future of global health financing: a review of development assistance, government, out-of-pocket, and other private spending on health for 195 countries, 1995- 2050**

2019 [https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(19\)30841-4/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(19)30841-4/fulltext)

Lancet. pii: S0140-6736(19)30841-4.

● **Global, regional, and national burden of neurological disorders, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016.**

2019 [https://www.thelancet.com/journals/lanneur/article/PIIS1474-4422\(18\)30499-X/fulltext](https://www.thelancet.com/journals/lanneur/article/PIIS1474-4422(18)30499-X/fulltext)

Lancet Neurol. pii: S1474-4422(18)30499-X.

● **Global, regional, and national burden of stroke, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016**

2019 [https://www.thelancet.com/journals/lanneur/article/PIIS1474-4422\(19\)30034-1/fulltext](https://www.thelancet.com/journals/lanneur/article/PIIS1474-4422(19)30034-1/fulltext)

Lancet Neurol. pii: S1474-4422(19)30034-1.

● **Global, regional, and national burden of suicide mortality 1990 to 2016: systematic analysis for the Global Burden of Disease Study 2016**

2019 <https://www.bmj.com/content/364/bmj.l94>

BMJ. 364: l94.

● **Global, regional, and national burden of brain and other CNS cancer, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016**

2019 [https://www.thelancet.com/journals/lanneur/article/PIIS1474-4422\(18\)30468-X/fulltext](https://www.thelancet.com/journals/lanneur/article/PIIS1474-4422(18)30468-X/fulltext)

Lancet Neurol. 2019 Feb 20. pii: S1474-4422(18)30468-X.

● **Global, regional, and national burden of epilepsy, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016**

2019 [https://www.thelancet.com/journals/lanneur/article/PIIS1474-4422\(18\)30454-X/fulltext](https://www.thelancet.com/journals/lanneur/article/PIIS1474-4422(18)30454-X/fulltext)

Lancet Neurol. pii: S1474-4422(18)30454-X.

● **Mortality, morbidity, and hospitalisations due to influenza lower respiratory tract infections, 2017: an analysis for the Global Burden of Disease Study 2017**

2019 [https://www.thelancet.com/journals/lanres/article/PIIS2213-2600\(18\)30496-X/fulltext](https://www.thelancet.com/journals/lanres/article/PIIS2213-2600(18)30496-X/fulltext)

Lancet Respir Med. 7(1):69-89.

● **Global, regional, and national burden of traumatic brain injury and spinal cord injury, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016**

2019 [https://www.thelancet.com/journals/lanneur/article/PIIS1474-4422\(18\)30415-0/fulltext](https://www.thelancet.com/journals/lanneur/article/PIIS1474-4422(18)30415-0/fulltext)

Lancet Neurol. 18(1):56-87. doi: 10.1016/S1474-4422(18)30415-0.

● **Mapping the global potential distributions of two arboviral vectors *Aedes aegypti* and *Ae. albopictus* under changing climate**

2018 <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0210122>

PLoS One. 13(12): e0210122.

● **Mapping the potential distributions of etiological agent, vectors, and reservoirs of Japanese Encephalitis in Asia and Australia**

2018 <https://www.sciencedirect.com/science/article/pii/S0001706X18307228>

Acta Trop. 188: 108-117.

● **Global, regional, and national burden of tuberculosis, 1990-2016: results from the Global Burden of Diseases, Injuries, and Risk Factors 2016 Study**

2018 [https://www.thelancet.com/journals/laninf/article/PIIS1473-3099\(18\)30625-X/fulltext](https://www.thelancet.com/journals/laninf/article/PIIS1473-3099(18)30625-X/fulltext)
Lancet Infect Dis. 18(12):1329- 1349.

● **Global, regional, and national burden of meningitis, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016**

2018 [https://www.thelancet.com/journals/laneur/article/PIIS1474-4422\(18\)30387-9/fulltext](https://www.thelancet.com/journals/laneur/article/PIIS1474-4422(18)30387-9/fulltext)
Lancet Neurol. 17(12):1061-1082.

● **Measuring progress from 1990 to 2017 and projecting attainment to 2030 of the health-related Sustainable Development Goals for 195 countries and territories: a systematic analysis for the Global Burden of Disease Study 2017**

2018 [https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(18\)32281-5/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(18)32281-5/fulltext)
Lancet. 392(10159):2091-2138.

● **Population and fertility by age and sex for 195 countries and territories, 1950- 2017: a systematic analysis for the Global Burden of Disease Study 2017**

2018 [https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(18\)32278-5/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(18)32278-5/fulltext)
Lancet. 392(10159):1995- 2051.

● **Global, regional, and national comparative risk assessment of 84 behavioural, environmental and occupational, and metabolic risks or clusters of risks for 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017**

2018 [https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(18\)32225-6/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(18)32225-6/fulltext)
Lancet. 392(10159):1923-1994.

● **Global, regional, and national incidence, prevalence, and years lived with disability for 354 diseases and injuries for 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017**

2018 [https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(18\)32279-7/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(18)32279-7/fulltext)
Lancet. 392(10159):1789-1858.

● **Global, regional, and national age-sex-specific mortality for 282 causes of death in 195 countries and territories, 1980-2017: a systematic analysis for the Global Burden of Disease Study 2017**

2018 [https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(18\)32203-7/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(18)32203-7/fulltext)
Lancet. 392(10159):1736-1788.

● **Global, regional, and national age-sex-specific mortality and life expectancy, 1950-2017: a systematic analysis for the Global Burden of Disease Study 2017**

2018 [https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(18\)31891-9/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(18)31891-9/fulltext)
Lancet. 392(10159):1684-1735.

● **Global, regional, and national disability-adjusted life-years (DALYs) for 359 diseases and injuries and healthy life expectancy (HALE) for 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017**

2018 [https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(18\)32335-3/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(18)32335-3/fulltext)
Lancet. 392(10159):1859-1922.

● **Re-emergence of Aedes aegypti in Egypt**

2018 [https://www.thelancet.com/journals/laninf/article/PIIS1473-3099\(18\)30018-5/fulltext](https://www.thelancet.com/journals/laninf/article/PIIS1473-3099(18)30018-5/fulltext)
Lancet Infect Dis. 18(2):142-143.

● **Danger ahead: the burden of diseases, injuries, and risk factors in the Eastern Mediterranean Region, 1990-2015**

2018 <https://link.springer.com/article/10.1007/s00038-017-1017-y>
Int J Public Health. 63 (1): 11-23

● **Burden of diarrhea in the Eastern Mediterranean Region, 1990-2015: Findings from the Global Burden of Disease 2015 study**

2018 <https://link.springer.com/article/10.1007/s00038-017-1008-z>
Int J Public Health. 63 (1): 109-121.

● **Diabetes mellitus and chronic kidney disease in the Eastern Mediterranean Region: findings from the Global Burden of Disease 2015 study**

2018 <https://link.springer.com/article/10.1007/s00038-017-1014-1>
Int J Public Health. 63 (1): 177-186.

● **Neonatal, infant, and under-5 mortality and morbidity burden in the Eastern Mediterranean region: findings from the Global Burden of Disease 2015 study**

2018 <https://link.springer.com/article/10.1007/s00038-017-0998-x>
Int J Public Health. 63 (1): 63-77.

● **Burden of cardiovascular diseases in the Eastern Mediterranean Region, 1990-2015: findings from the Global Burden of Disease 2015 study**

2018 <https://link.springer.com/article/10.1007/s00038-017-1012-3>
Int J Public Health. 63 (1): 137-149.

● **Burden of lower respiratory infections in the Eastern Mediterranean Region between 1990 and 2015: findings from the Global Burden of Disease 2015 study**

2018 <https://link.springer.com/article/10.1007/s00038-017-1007-0>
Int J Public Health. 63 (1): 97-108.

● **The burden of mental disorders in the Eastern Mediterranean region, 1990- 2015: findings from the global burden of disease 2015 study**

2018 <https://link.springer.com/article/10.1007/s00038-017-1006-1>
Int J Public Health. 63 (1): 25-37.

● **Trends in HIV/AIDS morbidity and mortality in Eastern Mediterranean countries, 1990-2015: findings from the Global Burden of Disease 2015 study**

2018 <https://link.springer.com/article/10.1007/s00038-017-1023-0>
Int J Public Health. 63 (1): 123-136.

● **Burden of vision loss in the Eastern Mediterranean region, 1990-2015: findings from the Global Burden of Disease 2015 study**

2018 <https://link.springer.com/article/10.1007/s00038-017-1000-7>

Int J Public Health. 63 (1): 199-210.

● **Intentional injuries in the Eastern Mediterranean Region, 1990-2015: findings from the Global Burden of Disease 2015 study**

2018 <https://link.springer.com/article/10.1007/s00038-017-1005-2>
Int J Public Health. 63 (1): 39-46.

● **Maternal mortality and morbidity burden in the Eastern Mediterranean Region: findings from the Global Burden of Disease 2015 study**

2018 <https://link.springer.com/article/10.1007/s00038-017-1004-3>
Int J Public Health. 63 (1): 47-61.

● **Burden of cancer in the Eastern Mediterranean Region, 2005-2015: findings from the Global Burden of Disease 2015 Study**

2018 <https://link.springer.com/article/10.1007/s00038-017-0999-9>
Int J Public Health. 63 (1): 151-164.

● **Adolescent health in the Eastern Mediterranean Region: findings from the global burden of disease 2015 study**

2018 <https://link.springer.com/article/10.1007/s00038-017-1003-4>
Int J Public Health. 63 (1): 79-96.

● **Transport injuries and deaths in the Eastern Mediterranean Region: findings from the Global Burden of Disease 2015 Study**

2018 <https://link.springer.com/article/10.1007/s00038-017-0987-0>
Int J Public Health. 63 (1): 187-198.

● **Burden of obesity in the Eastern Mediterranean Region: findings from the Global Burden of Disease 2015 study**

2018 <https://link.springer.com/article/10.1007/s00038-017-1002-5>
Int J Public Health. 63 (1): 165-176.

● **Measuring performance on the Healthcare Access and Quality Index for 195 countries and territories and selected subnational locations: a systematic analysis from the Global Burden of Disease Study 2016**

2018 [https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(18\)30994-2/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(18)30994-2/fulltext)
Lancet. 391(10136):2236-2271.

● **Measuring progress and projecting attainment on the basis of past trends of the health-related Sustainable Development Goals in 188 countries: an analysis from the Global Burden of Disease Study 2016**

2018 [https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(17\)32336-X/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(17)32336-X/fulltext)
Lancet. 390 (10100):1423-1459.

● **Climate change influences on the potential geographic distribution of the disease vector tick Ixodes ricinus**

2017 <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0189092>
PLoS ONE 12(12): e0189092.

● **Global, regional, and national burden of neurological disorders during 1990-2015: a systematic analysis for the Global Burden of Disease Study 2015**

2017 [https://www.thelancet.com/journals/laneur/article/PIIS1474-4422\(17\)30299-5/fulltext](https://www.thelancet.com/journals/laneur/article/PIIS1474-4422(17)30299-5/fulltext)
Lancet Neurol. 16(11): 877-897.

● **Global, regional, and national comparative risk assessment of 84 behavioural, environmental and occupational, and metabolic risks or clusters of risks, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016**

2017 [https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(17\)32366-8/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(17)32366-8/fulltext)
Lancet. 16;390 (10100):1345-1422.

● **Global, regional, and national disability-adjusted life-years (DALYs) for 333 diseases and injuries and healthy life expectancy (HALE) for 195 countries and territories, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016**

2017 [https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(18\)32335-3/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(18)32335-3/fulltext)
Lancet. 16;390 (10100):1260-1344.

● **Global, regional, and national incidence, prevalence, and years lived with disability for 328 diseases and injuries for 195 countries, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016**

2017 [https://www.thelancet.com/journals/lancet/article/PIIS01406736\(17\)32154-2/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS01406736(17)32154-2/fulltext)
Lancet. 16;390 (10100):1211-1259.

● **Global, regional, and national age-sex specific mortality for 264 causes of death, 1980-2016: a systematic analysis for the Global Burden of Disease Study 2016**

2017 [https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(17\)32152-9/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(17)32152-9/fulltext)
Lancet. 16;390 (10100):1151-1210.

● **Global, regional, and national under-5 mortality, adult mortality, age-specific mortality, and life expectancy, 1970-2016: a systematic analysis for the Global Burden of Disease Study 2016**

2017 [https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(17\)31833-0/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(17)31833-0/fulltext)
Lancet. 390 (10100):1084-1150.

● **Predictable invasion dynamics in North American populations of the Eurasian Collared Dove *Streptopelia decaocto***

2017 <https://royalsocietypublishing.org/doi/10.1098/rspb.2017.1157>
Proc Biol Sci. 13; 284 (1862).

● **Healthcare Access and Quality Index based on mortality from causes amenable to personal health care in 195 countries and territories, 1990-2015: a novel analysis from the Global Burden of Disease Study 2015**

2017 [https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(17\)30818-8/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(17)30818-8/fulltext)
Lancet. pii: S0140-6736 (17): 30818-8.

● **Genetic diversity of *Plasmodium vivax* metacaspase 1 and *Plasmodium vivax* multi-drug resistance 1 genes of field isolates from Mauritania, Sudan and Oman**

2017 <https://malariajournal.biomedcentral.com/articles/10.1186/s12936-017-1687-1>
Malar J. 16 (1): 61.

● **Phylogeography of Rift Valley Fever virus in Africa and the Arabian Peninsula**

2017 <https://journals.plos.org/plosntds/article?id=10.1371/journal.pntd.0005226>
PLoS Negl Trop Dis. 11 (1): e0005226.

● **Climate change influences on the global potential distribution of the mosquito *Culex quinquefasciatus*, vector of west Nile virus and lymphatic filariasis**

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0163863>
PLoS One. 11 (10): e0163863.

● **Mapping the global geographic potential of Zika virus spread**

2016 <https://www.scielo.br/j/mioc/a/NpCnzx65mYbwb3h4kdphhjb/?lang=en>
Mem Inst Oswaldo Cruz. 111 (9): 559-60.

● **Geographic potential of disease caused by Ebola and Marburg viruses in Africa**

2016 <https://www.sciencedirect.com/science/article/abs/pii/S0001706X16303795?via%3Dihub>
Acta Tropica. 162: 114-124.

● **Climate change influences on the global potential distribution of bluetongue virus**

2016 <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0150489>
PLoS One. 11 (3): e0150489.

● **Seasonal variation in biting rates of *Simulium damnosum sensu lato*, vector of *Onchocerca volvulus*, in two Sudanese foci**

2016 <https://journals.plos.org/plosone/article/comments?id=10.1371/journal.pone.0150309>
PLoS One. 11 (3): e0150309.

● **Coarse-resolution ecology of etiological agent, vector, and reservoirs of zoonotic cutaneous leishmaniasis in Libya**

<https://journals.plos.org/plosntds/article?id=10.1371/journal.pntd.0004381>
PLoS Negl Trop Dis. 10(2):e0004381.

● **Species composition of sand flies and bionomics of *Phlebotomus papatasi* and *P. sergenti* (Diptera: Psychodidae) in cutaneous leishmaniasis endemic foci, Morocco**

<https://parasitesandvectors.biomedcentral.com/articles/10.1186/s13071-016-1343-6>
Parasit Vectors. 9(1):60.

● **MERS-CoV geography and ecology in the Middle East: analyses of reported camel exposures and a preliminary risk map**

2015 <https://bmresnotes.biomedcentral.com/articles/10.1186/s13104-015-1789-1>
BMC Res Notes. 8: 801.

● **Mapping the potential risk of mycetoma infection in Sudan and South Sudan using ecological niche modeling**

2014 <https://journals.plos.org/plosntds/article?id=10.1371/journal.pntd.0003250>
PLoS Negl Trop Dis. 8(10):e3250.

● **Leishmaniasis transmission: distribution and coarse-resolution ecology of two vectors and two parasites in Egypt**

2014 <https://www.scielo.br/j/rsbmt/a/8JM6hJhbjsWrFWkYYgqbn8R/?lang=en>
Rev. Soc. Bras. Med. Trop. 47 (1): 57- 62.

● **Ecology of cutaneous leishmaniasis in Sinai: linking parasites, vectors and hosts**

2014 <https://www.scielo.br/j/mioc/a/rLsZ8pDjKH5cM6LhZ6m4gcj/?lang=en>
Mem Inst Oswaldo Cruz. 109(3):299-306.

● **Natural and experimental evidence of viscerotropic infection caused by *Leishmania tropica* from North Sinai, Egypt**

2014 https://jesp.journals.ekb.eg/article_90398.html

J. Egypt Soc. Parasitol. 44(2):425-434.

● **Experimental effect of feeding on *Ricinus communis* and *Bougainvillea glabra* on the development of the sand fly *Phlebotomus papatasi* (Diptera: Psychodidae) from Egypt**

2014 https://jesp.journals.ekb.eg/article_90689.html

J. Egypt Soc. Parasitol. 44 (1), 1-11.

● **Bionomics of phlebotomine sand flies (Diptera: Psychodidae) in the province of Al-Baha, Saudi Arabia.**

2010 <https://www.scielo.br/j/mioc/a/5SLgPmsGR4vTjLZPgKmjYxj/?lang=en>

Mem. Inst. Oswaldo. Cruz, Rio de Janeiro. 105(7): 850-856.

● **First report of *Leishmania tropica* from a classical focus of *L. major* in North-Sinai, Egypt**

2009 <https://www.ajtmh.org/view/journals/tpmd/81/2/article-p213.xml?rskey=IHm6r2&result=1>

Am. J. Trop. Med. Hyg. 81 (2): 213-218.

● **Preliminary field investigations on phlebotomine sandflies (Diptera: Psychodidae) from a recent cutaneous leishmaniasis focus in Northern-Sinai, Egypt. Egypt**

2009 https://journals.ekb.eg/article_15448.html

Acad. J. biolog. Sci. 2 (1): 9 – 15.

NETWORKS AND MEMBERSHIPS

● **Memberships**

African Research Network for Neglected Tropical Diseases (ARNTD).

American Society of Tropical Medicine and Hygiene (2012-present).

International Society of Infectious Diseases (ISID).

Gamma Theta Upsilon International Honor of Geography

Phi Beta Delta Honor Society

African Society for Bioinformatics and Computational Biology (ASBCB).

2010–present–Member of Scientific professions syndicate, Cairo, Egypt.

2010–present–Member of Egyptian Entomological Society.

2008–present–Member of Egyptian Society of Experimental Biology.

2008–present–Member of nature network.

2008–present–Member of World Association of young Scientist network.

2007–present–Member of Scientific Society for Development and Research Ethics "SciDRE".

RECOMMENDATIONS

- **A. Townsend Peterson**, University Distinguished Professor, Department of Ecology & Evolutionary Biology and KU Biodiversity Institute, 1345 Jayhawk Boulevard Lawrence, KS 66045-7561, Email: town@ku.edu, Tel: +1-785-864-3926.
- **Wendy W. J. van de Sande**, Erasmus Medical Center, Department of Medical Microbiology and Infectious diseases, Rotterdam, The Netherlands, Email: w.vandesande@erasmusmc.nl.
- **John Beier**, Professor and Director of the Division of Environment and Public Health, Department of Public Health Sciences, University of Miami Miller School of Medicine, Clinical Research Building, 1120 NW 14th Street, Room 1062, Miami, Florida 33136 USA, Email: JBeier@med.miami.edu, Tel: +1-305-243-2977.
- **Jorge Soberon**, University Distinguished Professor, Department of Ecology & Evolutionary Biology and KU Biodiversity Institute, 1345 Jayhawk Boulevard Lawrence, KS 66045-7561, Email: jsoberon@ku.edu, Tel: +1-785-864-3897.
- **Leonard Krishtalka**, Professor and Director of Biodiversity Institute, Department of Ecology & Evolutionary Biology and KU Biodiversity Institute, 1345 Jayhawk Boulevard Lawrence, KS 66045-7561, Email: krishtalka@ku.edu, Tel: +1-785-864-4540.
- **Joane P. Nagel**, Chair of Anthropology Department, University Distinguished Professor, 1415 Jayhawk Boulevard, University of Kansas, Lawrence, KS 66045, Email: nagel@ku.edu, Tel: +1-785-864-4114.
- **Folashade B. Augusto**, Assistant Professor, Department of Ecology and Evolutionary Biology, 3002 Haworth Hall, University of Kansas, Lawrence, Kansas, Email: fbagusto@ku.edu, Tel: 785-864-2573.

HONOURS AND AWARDS

Honours and awards

2021: Ain Shams University Distinction Award.

2020: Award of the top-ranked 2% of worldwide scientists.

2021: Ain Shams University Publication Excellence Award.

2019: Ain Shams University Publication Excellence Award.

2015– University of Khartoum Alumni Award, University of Khartoum and the Sudanese American Medical Association (**SAMA**).

2014– Young Investigator Award, the American Society of Tropical Medicine and Hygiene (**ASTMH**).

2014– Membership of the European Network of Medical and Veterinary Entomology (MedilabSecure Project).

2014– Gamma Theta Upsilon International Honor of Geography.

2013– Phi Beta Delta Honor Society of International Scholars.

2006– present – Junior fellow at the Research and Training center on vectors of Diseases, WHO collaborating center, Ain Shams University, Cairo, Egypt.

2005 – B.Sc First student in Entomology bachelor program, scientific professions syndicate, Cairo, Egypt.

2005 – B.Sc First student in Entomology bachelor program, Faculty of Science, Ain Shams University, Cairo, Egypt.

ORGANISATIONAL SKILLS

Organisational skills

- Good organization skills as a director of the visiting scholars and missions office.
- Leadership (currently responsible for a team of 120 students).
- Good organizational skills gained as a Director of the Communication Department in Scientific Society for Development and Research Ethics (SCIREco).
- Very good experience in the management of research projects and fundraising.

COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

Very good experience in working in a multicultural environment (obtained through international collaborations with USA, Mexico, UK, France, The Netherlands, Brazil, Colombia, Kenya, Libya, Sudan, Togo, Saudi Arabia, South Africa, Tanzania, Nigeria, India, China, Malaysia, and Thailand).

Team spirit (acquired in research work within my research group)

JOB-RELATED SKILLS

Job-related skills

Profound knowledge of public health, global health, epidemiology, ecology, and infectious diseases

Experience in the following: vector-biology, entomology, infectious disease surveillance, Geographic Information System, remote sensing, species distribution modeling, niche modeling, disease modeling, biodiversity informatics, mathematical modeling, network analysis, R programming, bioinformatics, and phylogeny and phylogeographic analyses.

FUTURE RESEARCH

Future Research

- Arboviruses (i.e. novel emerging pathogens like West Nile Virus, Zika Virus, Mayaro, ...etc.)
- Leishmaniasis
- Brazilian Spotted Fever
- *Verrucarum* spp.
- Tick-borne diseases
- Livestock pathogens
- Ebola, Marburg, and Lassa virus

PROJECTS AND FUNDS

Projects and Funds

- 2020-present- Molecular evolution of *Mycobacterium avium* subsp. *paratuberculosis* in Africa, German Research Foundation (DFG), Germany.
- 2018-2020- Entomological and socioeconomic determinants affecting dengue prevalence in Kassala area, Sudan
- 2020-present-Establishing an onsite metagenomics analysis system for identification of pathogens in non-human primates in southwestern regions of Saudi Arabia, Al Baha University, Saudi Arabia.
- 2014-present-Member of the European Medilabsecure project.
- 2015- University of Kansas Open Access Fund (\$1400).
- 2015- WHO-TDR small grant (Co-PI; \$25,000)
- 2012-2016-Egyptian Fulbright Mission Fellowship (\$52,000).
- 2015- BI's Charles Fund, University of Kansas (\$2000).
- 2015- Ecology and evolutionary Biology Travel Fund (\$500).
- 2014- Leona Galutia Burt Memorial Fund (\$800).
- 2014-Sudanese American Medical Association (SAMA) grant (\$2000).
- 2014- American Society of Tropical Medicine and Hygiene Fund (\$1000).
- 2014- Ecology and evolutionary Biology Travel Fund (\$500).
- 2013-University of Kansas Center for Research (KUCR) Travel Fund (\$500).
- 2013- Ecology and evolutionary Biology Travel Fund (\$500).
- 2012- Ecology and evolutionary Biology Travel Fund (\$500).
- 2011- Wellcome Trust Travel Grant (\$2500).
- 2011- Travel Grant from the Carnegie Corporation of New York, Harvard School of Public Health, University of Oxford, and The American society of cell biology for the "One Health: Understanding human and veterinary diseases from molecular cell biology to successful interventions" training program (\$2000).
- 2011- TDR grant to the "Training Course on Functional Genomics of Insect Vectors of Human Diseases" (\$1400).

PRESENTATIONS

Presentations

1. **SAMY, A. M.** The next viral pandemic: a story from ongoing worldwide epidemics. March 22, 2017. Faculty of Veterinary Medicine and the Egyptian Society of Virology, Cairo University, Cairo, Egypt (Invited oral presentation).
2. **SAMY, A. M.** The next pandemic: a story from ongoing worldwide epidemics. November 2, 2016. Research and Training Center on Vectors of Diseases, Ain Shams University, Cairo, Egypt (Invited oral presentation).
3. **SAMY, A. M.** Coarse-resolution ecology of etiological agent, vector, reservoirs of CL in Libya. 64th ASTMH Annual meeting. October 25-30, 2015, Philadelphia, Pennsylvania, USA (Invited oral presentation).
4. **SAMY, A. M.**, Elaagip, A., Abd El Wahed, A. Potential distribution of Ebola, Marburg, and Lassa viruses in Africa. 64th ASTMH Annual meeting. October 25-30, 2015. Philadelphia, Pennsylvania, USA.
5. **Samy, AM.** Mycetoma in Sudan: current and future status (invited presentation). The Sixth Annual Post-Graduate Studies & Scientific Research Conference. February 2016. Khartoum, Sudan.
6. **SAMY, A.M.**, Peterson, A. T. (2014). Mapping the potential risk of mycetoma in Sudan using Maximum Entropy Ecological Niche Modelling. 63rd ASTMH Annual meeting. November 2-6, 2014
7. **SAMY, A.M.**, Kenawy, M. A., Peterson, A. T. (2014). Rift valley fever outbreak in Saudi Arabia anticipated from Africa outbreaks and time-specific satellite data. 63rd ASTMH Annual meeting. November 2-6, 2014
8. **SAMY, A. M.**, Doha, S. A., Lottfy N. M., Shehata, M. G., El-Sawaf, B. M., Campbell, L., Peterson, AT. Ecology of cutaneous leishmaniasis in Sinai: linking parasites, vectors, and hosts. 62nd Annual Meeting. The American Society of Tropical Medicine and Hygiene. November 13-17, 2013.
9. **SAMY, A. M.**, Campbell, L., Doha, S. A., El Sawaf B. M., and Peterson, A. T. 2013. Leishmaniasis transmission: distribution, and coarse-resolution ecology in Egypt (Invited talk). The second International Conference of Biological Sciences, Cairo, Egypt (July 1-3, 2013).
10. **SAMY, A. M.**, Doha, S. A., Fahmy, A. R., Lotfy, N. M., Shehata, M. G., and El Sawaf B. M. 2011. *L. tropica* hampers Egyptians health in Sinai: searching vectors and sylvan reservoirs. One Health: Understanding human and veterinary diseases from molecular cell biology to successful interventions International Workshop. Morogoro, Tanzania.
11. **SAMY, A. M.**, Doha, S. A., Fahmy, A. R., Shehata, M. G. 2010. First report of viscerotropic infection from naturally infected gerbil collected from North Sinai, Egypt. Biennial meeting of the Royal Society of Tropical Medicine and Hygiene. Liverpool. United Kingdom.
12. Shehata, M.G, **SAMY, A.M.**, Doha, S.A., Fahmy, A.R., Kaldas, R., and Villinski J.T. 2008. First autochthonous documentation of *Leishmania tropica* in a remote border area of North-Sinai, Egypt. Proceeding of the annual Meeting of the American Society of Tropical Medicine and Hygiene, New Orleans, Louisiana, USA.

JOURNAL REFEREE

Journal Referee

1. Bulletin of the World Health Organisation (WHO)
2. EcoHealth (Springer)
3. Parasites & Vectors (BioMed Central)
4. Parasitology (Cambridge University Press)
5. BMC Research Notes (BioMedCentral)
6. Journal of Medical Entomology (Oxford University Press)
7. Medical and Veterinary Entomology (Wiley)
8. Infection Genetics and Evolution (ELSEVIER)
9. Brazilian Journal of Tropical Medicine and Hygiene (SciELO)
10. Memórias do Instituto Oswaldo Cruz (SciELO)
11. Journal of Natural History (Taylor & Francis)
12. PLOS ONE (Public Library of Sciences)
13. PLoS Neglected Tropical Diseases (Public Library of Sciences)
14. The American journal of tropical medicine and hygiene (ASTMH)
15. Acta Tropica (ELSEVIER)
16. Preventive Veterinary Medicine (ELSEVIER)
17. BMC Complementary and Alternative Medicine (BioMed Central)
18. Journal of Fish Diseases (Wiley)
19. International Journal of Biometeorology (Springer)
20. PLoS Currents Outbreaks (Public Library of Sciences)
21. Nature Communication
22. Nature Scientific Report
23. Nature Climate Change
24. Nature Scientific Data
25. Nature
26. Lancet
27. Journal of Gastroenterology and Hepatology.
28. Vaccines
29. Insects
30. Infectious Diseases of Poverty
31. Journal of Royal Society Interface
32. Cancer
33. BMC Public Health
34. Proceedings of the Royal Society: Biological Sciences.
35. Frontiers Veterinary Medicine
36. Arthritis & Rheumatology
37. Chinese Medical Journal
38. Annals of Medicine
39. Tick and tick-borne diseases
40. BMC Public Health
41. BMC Oral Health
42. Obesity

EDITORIAL BOARD AND EDITORSHIPS

Editorial Board and Editorships

- (2019-present): Assistant Editor, Journal of Wildlife Diseases, Wildlife Disease Association (WDA), Allen Press, Inc., PO Box 7065, Lawrence, KS, US.
- (2019-present): Deputy editor, [PLOS Neglected Tropical Diseases](#), 1160 Battery Street, Koshland Building East, Suite 225, San Francisco, CA 94111, United States and Carlyle House, Carlyle Road, Cambridge, CB4 3DN, United Kingdom.
- (2019-present): Associate editor, Frontiers in Public Health, Frontiers Media SA, Avenue du Tribunal Fédéral 34, 1005 Lausanne, Switzerland.
- (2019-present): Associate editor, Frontiers in Medicine, Frontiers Media SA, Avenue du Tribunal Fédéral 34, 1005 Lausanne, Switzerland
- (2018-2019): Guest Editor, [PLOS Neglected Tropical Diseases](#), 1160 Battery Street, Koshland Building East, Suite 225, San Francisco, CA 94111, United States and Carlyle House, Carlyle Road, Cambridge, CB4 3DN, United Kingdom.
- (2018-present): Academic Editor, [PLOS ONE](#), Public Library of Sciences, PLOS, 1160 Battery Street, Koshland Building East, Suite 225, San Francisco, CA 94111, United States and Carlyle House, Carlyle Road, Cambridge, CB4 3DN, United Kingdom.

OTHER PROFESSIONAL EXPERIENCE

Other Professional Experience

- 2018-present-Reviewer, African network of Neglected Tropical Diseases (ARNTD).
- 2015-present-*Academic Reviewer*, Medical Research Council, UK
- 2016-present-*Academic Reviewer*, National Science Foundation, United States.
- 2017-present-*External Expert*, National Center of Science & Technology Evaluation (NCSTE), Kazakhstan

GRADUATE MENTORING (CHAIR OR CO-CHAIR)

Graduate Mentoring (Chair or co-chair)

- Mahmoud Kamal, Ph.D., Department of Entomology, Faculty of Science, Ain Shams University, Abbassia, Cairo, Egypt.
- Shaimaa Abozeid, M. Sc., Department of Entomology, Faculty of Science, Ain Shams University, Abbassia, Cairo, Egypt.
- Mohammed Okely, Ph.D., Department of Entomology, Faculty of Science, Ain Shams University, Abbassia, Cairo, Egypt.

TRAINING

Training

1 Aug 2011-7 Aug 2011: One Health: Understanding human and veterinary diseases from molecular cell biology to successful interventions, Sokoine University of Agriculture, Morogoro, Tanzania.

31 Oct 2011-2 Nov 2011: Working with the Human Genome Sequence, KEMRI-Wellcome Trust Research Unit, Kilifi, Kenya

INTERNATIONAL FIELD TRIALS AND ACTIVITIES

International field trials and activities

- July 4-6, 2017 - Participated in the MediLabSecure Regional Meeting and Technical workshop on Public Health, Institut Pasteur in Tunis, Tunis.
- May. 23-24, 2017 - Invited speaker to the "Zika virus and other mosquito-borne viruses. Science for preparedness and response in the Mediterranean region", International Center for Scientific Debate and Barcelona Institute for Global Health (ISGlobal), Barcelona, Spain.
- Jan. 24, 2017 - Present: member of the Global Burden of Disease collaborator network.
- Feb. 12-22, 2017: Founded the Surveillance, Ecology, and Epidemiology Research Program (SEER-Program) at Ain Shams University, Cairo, Egypt.
- Feb. 17-23, 2015: Field trial across Sudan for collection of malaria isolates to study genetic diversity of *Plasmodium vivax*.
- Apr. 6-14, 2014: Field trial in Kasala State, Sudan for collection of mosquito samples for screening dengue.
- Feb. 17-23, 2015: Organized and taught the first training on "Spatial and Ecological Modeling of Infectious Diseases (SEMID), Sudan. The training program is funded by Khartoum University, and Sudanese American Medical Association (SAMA).
- Mar. 15-21, 2013: Organized and taught "Bioinformatics: analysis of human and pathogen genome" at the workshop held at Research and Training Center on Vectors of Disease, Ain Shams University, Abbassia, Cairo, Egypt.
- 2011: Participated as a member of the supreme committee of insecticide specification, Ministry of Health, Cairo, Egypt.
- Sept. 21-29, 2009: Field trials for screening of *Leishmania* parasites across Sinai Peninsula.
- Jan. 1, 2010 - present: Organized and taught several training programs to researchers and vector biology officers in the Egyptian Ministry of Health and the Research and Training Center on Vectors of Diseases.
- Jan. 1, 2010 - present: Field trials for screening vector-borne diseases across several sites in Egypt in collaboration with the Egyptian Ministry of Health.
- May 11-20, 2008: Field trials for screening of *Leishmania* parasites across Northern coast, Egypt.

DATASETS

Datasets

1. Samy, Abdallah (2016): Phylogeography of Rift Valley Fever virus in Africa and the Arabian Peninsula. figshare. <https://doi.org/10.6084/m9.figshare.2198776>
2. Samy, Abdallah (2016): Updated maps of *Aedes aegypti* and *A. albopictus*. figshare. <https://doi.org/10.6084/m9.figshare.3798120.v2>
3. Samy, Abdallah (2016): Climate change influences on the global potential distribution of the mosquito *Culex quinquefasciatus*, vector of west Nile virus and lymphatic filariasis. figshare. <https://doi.org/10.6084/m9.figshare.3487046.v1>
4. Samy, Abdallah (2016): Mapping the global geographic potential of Zika virus spread. figshare. <https://doi.org/10.6084/m9.figshare.2068647.v1>
5. Samy, AM (2016): Cutaneous Leishmaniasis in Libya. figshare. <https://doi.org/10.6084/m9.figshare.1613478.v1>
6. Samy, Abdallah (2016): Global map of Zika Virus. figshare. <https://doi.org/10.6084/m9.figshare.3756123.v1>
7. Samy, Abdallah (2016): Climate change influences on the global potential distribution of bluetongue virus. figshare. <https://doi.org/10.6084/m9.figshare.2182672.v2>

SCIENTIFIC INTERVIEWS (NEWSPAPER AND TV)

Scientific Interviews (newspaper and TV)

- 1.Oct. 14, 2016. [Instituto Oswaldo Cruz \(IOC\): New map details major drivers of Zika threats worldwide.](#)
- 2.Oct. 13, 2016. [Instituto Oswaldo Cruz \(IOC\): Motores da disseminação do vírus Zika no mundo.](#)
- 3.Sept. 25, 2016. To BAHMA (Science). [Πόσο μας απειλεί ο Ζίκα.](#)
- 4.Aug. 23, 2016. Galileo.tv: [Weltkarte zeigt: So könnte sich das Zika-Virus ausbreiten.](#)
- 5.Aug. 19, 2016. Aussie Network News: [Zika Virus New World Map Shows Australia in Danger.](#)
- 6.Aug. 16, 2016. The Huffington Post: [How Likely Are You to Deal with A Zika Outbreak?](#)
- 7.Aug. 16, 2016. [SCI News: New Map Predicts Spread of Zika Virus.](#)
- 8.Aug. 12, 2016. American laboratory: [Comprehensive Model Outlines Risk of Zika Virus.](#) August 12, 2016
- 9.Aug. 11, 2016. Medical News: [Researchers create detailed Zika map that Weighs different drivers of transmission.](#)
- 10.Aug. 11, 2016. Wired: [How Zika could spread around the world: Map reveals the countries most at risk.](#)
- 11.Aug. 10, 2016. ScienceDaily: [New map details threat of Zika across Europe, US.](#)
- 12.Aug. 10, 2016. Science Magazine: [New map details threat of Zika across Europe, US.](#)
- 13.Aug. 10, 2016. EurekAlert: [New map details threat of Zika across Europe, US.](#)
- 14.Aug. 10, 2016. MedicalXpress: [New map details threat of Zika across Europe, US.](#)
- 15.Aug. 10, 2016. KU news: [New map details threat of Zika across Europe, US.](#) 08/10/2016
- 16.Apr. 19, 2016. [NBC news: New Map Finds 2 Billion People at Risk of Zika Virus.](#) Apr. 19 2016
- 17.Feb. 3, 2016. MedicalXpress: [Fulbright scholar tracks puzzling disease that strikes from soils, thorns.](#)
- 18.May 11, 2015. KU Collegian: [From the ground up.](#)
- 19.Feb. 3, 2015. EurekAlert: [Fulbright scholar tracks puzzling disease that strikes from soils, thorns.](#)
- 20.Feb. 3, 2015. KU news: [Student researcher tracks puzzling disease that strikes from soils, thorns.](#)

BOOKS

- **Climate change and disease. In: Lovejoy, T. and L. Hannah (eds.). Climate Change and Biodiversity. Yale University Press.**
- **Tick vectors, Tick-borne diseases and climate change.in: Pat Nutall (eds.). Climate, Ticks and Disease. CABI, Wallingford, Oxfordshire, UK**
- **Modeling Distributional Potential of Infectious Diseases. Springer.**

LEADERSHIP TRAINING SKILLS

- **Trainer of the leadership and strategic planning programs, Leadership Development Institute, Ministry of Higher Education and Scientific Research, Helwan, Cairo, Egypt.**