

# Curriculum Vitae

## I. PERSONAL DATA

**Name** Carla Alexandra Gama Carrilho da Costa Sousa

**Date / Place of birth** 18-01-1968, Lisbon, Portugal

**Institutional Address** Unidade Parasitologia Médica (UEI-PM)  
Instituto de Higiene e Medicina Tropical (IHMT)  
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## II. ACADEMIC QUALIFICATION

- 2008:** PhD in Medical Parasitology - Thesis title: Malaria vectorial capacity and competence of *Anopheles atroparvus* Van Thiel, 1927 (Diptera, Culicidae): Implications for the potential re-emergence of malaria in Portugal. IHMT, Universidade Nova de Lisboa.
- 2000:** MSc (equivalent degree) in Medical Parasitology - Thesis title: Morphologic, cytogenetic and enzymatic studies of *Anopheles maculipennis* complex in the Palaearctic Region IHMT, Universidade Nova de Lisboa.
- 1991:** Post-Graduation in Medical Parasitology- IHMT, Universidade Nova de Lisboa.
- 1989:** Graduation in Biology (Scientific branch) - Faculdade de Ciências, Universidade de Lisboa.

### III. PROFESSIONAL AND SCIENTIFIC ACTIVITIES

#### III.1. POSITIONS HELD

##### a) Present position:

**Since 2015:** Coordinator of the MSc Course in Medical Parasitology

**Since 2008:** Assistant Professor of Medical Entomology, at the IHMT.

##### b) Previous positions:

**2000 - 2008:** Assistant of Medical Entomology, at the IHMT.

**1995 - 2000:** Junior Assistant of Medical Entomology, at the IHMT.

**1995:** Grant Holder, at the IHMT.

**1994 -1995:** High School Teacher at Escola Secundária Aquilino Ribeiro, Oeiras.

**1990 - 1994.** Grant holder, at the IHMT.

**1989 - 1990:** Grant holder at Faculdade de Ciências, Universidade de Lisboa.

#### III.2.2. Students supervision

##### a) Doctorate (PhD) Degrees

**2015/...** : Ana Clara Silva. “Dengue in Madeira Island”. Thesis in Public Health of Escola Nacional de Saúde Pública, Universidade Nova de Lisboa. Co-supervisor.

**2013/...** : Gonçalo Seixas. “Insecticide resistance of the Dengue vector *Aedes aegypti* from Madeira Island: implications for vector control”. Thesis in Biomedical Sciences of the Instituto de Higiene e Medicina Tropical, Universidade Nova de Lisboa. Supervisor.

**2011/2014:** Teresa Nazareth. “Assessment of community perceptions regarding dengue prevention in Madeira Island, Portugal”. Thesis developed within the PhD program “GABBA - Graduate Program in Areas of Basic and Applied Biology”, of the Instituto Ciências Biomédicas Abel Salazar, Universidade do Porto. Co-supervisor.

## **b) Masters (MSc) Degrees**

- 2018:** Cátia Marques (Angola): Seasonal variation and insecticide resistance of *Aedes aegypti* in Luanda and Huambo, Angola. M.Sc. in Medical Parasitology, Instituto de Higiene e Medicina Tropical. Supervisor. On-going.
- 2018:** Inilça Monteiro (Cabo Verde): Insecticide susceptibility and efficacy of indoors residual spraying against *Aedes aegypti* in Cabo Verde. M.Sc. in Medical Parasitology, Instituto de Higiene e Medicina Tropical. Supervisor. On-going
- 2017:** Fabião Ocante. “Culicids and *Anopheles gambiae* sibling species from rural, semi-urban and urban areas of Bissau, Guinea-Bissau”. Co-supervisor.
- 2016:** Ana Jesus. “First Dengue’s serosurvey in Madeira Island”. Instituto de Higiene e Medicina Tropical, Universidade Nova de Lisboa. Supervisor.
- 2016:** Flávia Ribeiro. “New mosquito larvicides obtain from industrial subproducts”. Instituto de Higiene e Medicina Tropical, Universidade Nova de Lisboa. Supervisor.
- 2015:** Bianca Pires. Strategies for vector control based on the auto-dissemination of insect juvenile hormone, pyriproxifen” . Instituto de Higiene e Medicina Tropical, Universidade Nova de Lisboa. Supervisor.
- 2014:** Gonçalo Alves. “Control strategies towards *Aedes aegypti* Linnaeus 1762 from Madeira Island”. Instituto de Higiene e Medicina Tropical, Universidade Nova de Lisboa. Supervisor.
- 2011:** Gonçalo Seixas. “*Aedes (Stegomyia) aegypti* (Diptera, Culicidae) of Madeira Island: geographic origin and insecticide resistatnce status”. Instituto de Higiene e Medicina Tropical, Universidade Nova de Lisboa. Supervisor.
- 2010:** Leonor Pinho. “Insecticidal/repellent effects of textile materials impregnated with insecticides or repellents by nanoencapsulation”. Instituto de Higiene e Medicina Tropical, Universidade Nova de Lisboa. Supervisor.

## **c) Graduation (BSc) Degrees**

- 2002:** Liliana Carvalho. “Estimation of *Anopheles atroparvus* vectorial capacity key-parameters”. Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa. Co-supervisor.

## **III.3. RESEARCH ACTIVITIES**

### **III.3.1. Participation in Research Projects as Principal/Responsible Investigator.**

**2016 - ....:** Task Leader of “ZIKALLIANCE”. H2020, EU project 734548.

**2016 -.....:** “Dengue prevention using genetically modified mosquitoes –current facts, literacy and public opinions”. Project funded by FCT – MCTES (PTDC/IVC-ESCT/2486/2014)

**2012-2015:** “Synthesis of solar-activated materials for the controlled release of volatile compounds”. Project funded by FCT – MCTES (PTDC/CTM-NAN/119979/2010). Project’s PI at IHMT.

**2011-2014:** “Dengue in Madeira archipelago. Risk assessment for the emergence of *Aedes aegypti* mediated arboviroses and tools for vector control”. Project funded by FCT - MCTES (PTDC/SAU-EPI/115853/2009).

### **III.3.2. Consultancy**

**From 2012 to 2016:** Consultant of IASAUDE, IP-RAM, Health Authority of the Autonomous Region of Madeira.

**From 2012 to 2015:** Consultant of Ministry of Health of Portugal as a specialist in vector-borne diseases

**In 2014:** WHO consultant for the dengue outbreak in Mozambique.

**In 2008 and 2010:** TDR Network on Insecticide Resistance in African Malaria Vectors. UNDP/World Bank/WHO Special Programme for Research and Training on Tropical Diseases (TDR).

### **III.3.3. Support to industry and SME’s**

The following Projects were funded and developed in collaboration with industry or SME’s.

**2017:** “Sonae Indústria SA - Assays to determine the repellent effect of wooden floors”. Principal Investigator.

**2017:** “TARGETWAY- Assays to determine effect of textile bracelets”. Principal Investigator.

**2014-2016:** “Success Gadget - Partnership for efficacy repellents testing”. Principal Investigator

**2013-2014:** “Smart Innovation - Partnership for efficacy repellents testing”. Principal Investigator.

**2013:** “Active – Laboratory assays to determine the efficacy of treated textiles as protective measure against mosquito bites”. Project funded by Acipar. Principal investigator.

**2013:** “Success Gadget – Laboratorial testing of repellent impregnated fabrics”. Project funded by Success Gadget. Principal investigator.

**2011 - 2013:** “Nanolabel - Laboratorial assays on repellent effects of treated textiles”. Project funded by Nanolabel. Principal investigator.

**2011, 2013:** “New Textiles – Laboratorial assays on repellent effects of treated textiles”. Project funded by New Textiles, S.A., developed in collaboration with TecMinho and coordinated by Unidade de Parasitologia Médica (UEI-PM). Principal Investigator.

**2007 - 2011:** “Field and laboratory assays on the insecticidal/repellent effects of textile materials impregnated with insecticides or repellents by nanoencapsulation”. Collaboration with TINAMAR – Tinturaria Têxtil, S.A. Funded by QREN, coordinated by Centro de Malária e Outras Doenças Tropicais-LA (CMDT-LA/IHMT). Team member.

**2007 - 2008:** “Development of the medical entomology component of Environmental Impact Surveys”. Collaboration and funding by ECOSSISTEMA – Consultores em Engenharia do Ambiente, Lda.), coordinated by Centro de Malária e Outras Doenças Tropicais-LA (CMDT-LA/IHMT). Team member.

**2003 - 2005:** "To monitor *Bti* application in rice fields of Comporta, Alcácer do Sal”. Project funded by The Atlantic Company, coordinated by Unidade de Entomologia Médica IHMT. Team member.

**2001 - 2003:** "Mosquito bioecological studies in a marshland and rice field area, Comporta, Portugal. Perspectives for control". Project funded by Herdade da Comporta, Lta, coordinated by Unidade de Entomologia Médica, IHMT. Team member.

#### **III.4. ADMINISTRATIVE AND ACADEMIC ACTIVITIES**

##### **III.4.1. Participation in boards/committees of academic nature**

###### **a) By election within peers**

- Coordinator of the MSc in Medical Parasitology, since May 2015.
- Member of the IHMT’s Council, since July 2012.
- Member of the IHMT’s Scientific Council, since March 2011.

###### **b) By appointment**

- Member of the IHMT’s Pedagogical Council, since May 2015.
- Interim President of IHMT’s Ethic Committee, December 2014 – February 2015.

- Member of the IHMT's Ethic Committee, since October 2011.
- Member of the Scientific Committee of IHMT's MSc course on Medical Parasitology, since June 2010.

## IV. PUBLICATIONS

### IV.1. CHAPTERS OF BOOKS

1. Nazareth T., Seixas G., Sousa C.A. (2016). Climate change and mosquito borne diseases, in *Climate Change and Health: Climate change management*. Springer.
2. Rodrigues H.S., Monteiro M.T., Torres D.F.M., Silva A.C., Sousa C.A., Conceição C. (2014). Dengue in Madeira Island, in *Mathematics of Planet Earth: Dynamics, Games and Science*. Springer.
3. Sousa C.A., Pinto J. (2014). Artrópodes com importância Médica, in *Microbiologia Médica*. Lidel Edições Técnicas, Lisbon, Portugal.
4. Calheiros J.M., Casimiro E., Sousa C.A., Alves-Pires C., Collares Pereira M., Cardoso M., Afonso O., Almeida P., Nogueira P., Sousa R. (2002). Climate Change in the Sado River Estuary and Surrounding Regions: Potential Human Health Impacts, in "Mudança Climática em Portugal: Cenários, Impactes e Medidas de Adaptação - SIAM", F.D. Santos, K. Forbes, e R. Moita, Eds. Gradiva, Lisbon, Portugal.
5. Gomes E., Capinha C., Tenedório J.A., Rocha J., Almeida A.P.G., Rosário V.E., Sousa C.A. (2011). Modelação geográfica em SIG do risco de re-emergência de Malária em Portugal Continental, in *Triunfos de uma Geografia Activa, desenvolvimento local, ambiente, ordenamento e tecnologia*, Norberto Santos e Lúcio Cunha (coord.), Imprensa da Universidade de Coimbra, Coimbra, pp. 585-592. ISBN 978-989-26-0111-3.

## IV.2. PUBLICATIONS IN INTERNATIONAL PEER-REVIEWED JOURNALS

1. Almeida A.P.G., Fouque F., Launois P., Sousa C.A., Silveira H. (2017). From the Laboratory to the Field: Updating Capacity Building in Medical Entomology. *Trends in Parasitology*, 33:664-668.
2. Calzetta M., Perugini E., Seixas G., Sousa C.A., Guelbeogo W.M., Sagnon. N'F., Della Torre A., Pinto J., Pombi M., Mancini E. (2017). Novel nested-PCR method reveals higher Plasmodium infection rates in field-collected Anopheles mosquitoes than expected based on traditional CS-ELISA assay. Accepted in *Medical and Veterinary Entomology*, doi: 10.1111/mve.12293
3. Seixas G., Grigoraki L., Weetman D., Vicente J.L., Silva A.C., Pinto J., Vontas J., Sousa C.A. (2017). Insecticide resistance is mediated by multiple mechanisms in recently introduced *Aedes aegypti* from Madeira Island (Portugal). *PLOS Neglected Diseases*: 11(7), e005799
4. Vicente J.L., Clarkson C.S., Caputo B., Gomes B., Pombi M., Sousa C.A., Antao T., Dinis J., Bottà G., Mancini E., Petrarca V., Mead D., Drury E., Stalker J., Miles A., Kwiatkowski D.P., Donnelly M.J., Rodrigues A., della Torre A., Weetman D. & Pinto J. (2017). Massive introgression drives species radiation at the range limit of *Anopheles gambiae*. *Scientific Reports* 7: 46451.
5. Jupille H., Seixas G., Mousson L., Sousa C.A., Failloux A.B. (2016). Zika virus, a new threat for Europe? *PLOS Neglected Diseases* 10(8), e0004901
6. Gloria-Soria A., Ayala D., Bheecarry A., Calderon-Arguedas O., Chadee D., Chiappero, M. *et al.* (2016). Global Genetic Diversity of *Aedes aegypti*. *Molecular Ecology*. doi:10.1111/mec.13866
7. Gomes E., Capinha C., Rocha J., Sousa C.A. (2016). Mapping risk of malaria transmission in mainland Portugal using a mathematical modelling approach. *PLoS ONE*, 11:e0164788. doi:10.13371/journal.pone.0164788.
8. Ribeiro A.D., Marques j., Forte M., Correia F.C., Parpot P., Oliveira C., Pereira A.I., Andrade L., Azenha C., Mendes A., Alves G.M., Sousa C.A., Tavares C.J. (2016). Microencapsulation of citronella oil for solar activated controlled release as an insect repellent. *Applied Materials Today*, 5:90-97.

9. Mixão V., Barriga D.B., Parreira R., Novo M.T., Sousa C.A., Frontera E., Venter M., Braack L., Almeida A.P.G. (2016). Comparative morphological and molecular analysis confirms the presence of the West Nile virus mosquito vector, *Culex univittatus*, in the Iberian Peninsula. *Parasites & Vectors*, 9: 601. doi:10.1186/s13071-016-1887-7.
10. Gomes B., Wilding C.S., Weetman D., Sousa C.A., Novo M.T., Savage H.M., Almeida A.P.G., Pinto J., Donnelly M.J. (2015). Limited genomic divergence between intraspecific forms of *Culex pipiens* under different ecological pressures. *BMC Evolutionary Biology* 15:197. doi 10.1186/s12862-015-0477-z.
11. Nazareth T.L., Sousa C.A., Porto G., Gonçalves L., Seixas G., Antunes L., Silva A.C., Teodósio R. (2015). Impact of a dengue outbreak experience in the preventive perceptions of the community from a temperate region: Madeira Island, Portugal. *PLOS Neglected Diseases* 9(3):e0003395. doi: 10.1371/journal.pntd.0003395.
12. Parreira R., Sousa C.A. (2015). Dengue fever in Europe: could there be an epidemic in the future? *Expert Review of Anti-infective Therapy*, 13:29-40. doi: 10.1586/14787210.2015.982094.
13. Kampen H., Medlock J.M., Vaux A.G.C., Koenraadt C.J.M., van Vliet A.J.H., Frederic Bartumeus F., Oltra A., Sousa C.A., Chouin S., Werner D. (2015) Approaches to passive mosquito surveillance in the EU. *Parasites & Vectors*, 8:9. doi:10.1186/s13071-014-0604-5.
14. Richard P., Sousa C.A., Sakuntabhai A., Devine G. (2014) Mosquito control might not bolster imperfect dengue vaccines. *Lancet*, 384: 1747-1748.
15. Gordicho V., Vicente J.L., Sousa C.A., Caputo B., Pombi M., Dinis J., Seixas G., Palsson K., Weetman D., Rodrigues A., della Torre A., Pinto J. (2014). First report of an exophilic *Anopheles arabiensis* population in Bissau City, Guinea-Bissau: recent introduction or sampling bias? *Malaria Journal*: 13, published Nov 4 2014. doi: 10.1186/1475-2875-13-423.
16. Capinha C., Rocha J., Sousa C.A. (2014). Macroclimate Determines the Global Range Limit of *Aedes aegypti*. *Ecohealth*. 11: 420-428. DOI: 10.1007/s10393-014-0918-y



17. Nazareth T.L., Teodósio R., Porto G., Gonçalves L., Seixas G., Silva A.C., Sousa C.A. (2014). Strengthening the perception-assessment tools for Dengue prevention: a cross-sectional survey in a temperate region (Madeira, Portugal). *BMC Public Health*, 15:14-39. doi: 10.1186/1471-2458-14-39.
18. Benali A., Nunes J.P., Freitas F.B., Sousa C.A., Novo M.T., Lourenço P.M., Lima J.C., Seixas, Almeida A.P.G. (2014). Satellite-derived estimation of environmental suitability for malaria vector development in Portugal. *Remote Sensing of Environment*, 145: 116–130. DOI: 10.1016/j.rse.2014.01.014
19. Seixas G., Salgueiro P., Silva A.C., Campos M., Spenassatto C., Reyes-lugo M., Novo M.T., Eduardo P., Ribolla M., Pinto J., Sousa C.A. (2013). *Aedes aegypti* on Madeira Island (Portugal): genetic variation of a recently introduced dengue vector. *Memórias do Instituto Oswaldo Cruz*, 108 (supl1): 1– 8. <http://www.scielo.br/pdf/mioc/v108s1/0074-0276-mioc-108-s1-0003.pdf>.
20. Gomes B., Sousa C.A., Vicente J.L., Pinho L., Calderón I., Arez E., Almeida A.P.G., Donnelly M.J. & Pinto J. (2013). Feeding patterns of *molestus* and *pipiens* forms of *Culex pipiens* (Diptera: Culicidae) in a region of high hybridization. *Parasites & Vectors* 6: 93.
21. Sousa C.A., Clairouin M., Seixas G., Viveiros B., Novo M.T., Silva A.C., Escoval M.T., A Economopoulou A. (2012). Ongoing outbreak of dengue type 1 in the Autonomous Region of Madeira, Portugal: preliminary report. *Eurosurveillance* 17: <http://www.eurosurveillance.org/ViewArticle.aspx?ArticleId=20333>
22. Gomes B., Alves J., Sousa C.A., Santa-Ana M., Vieira I., Silva T., Almeida A., Donnelly M., Pinto J. (2012). Hybridization and population structure of the *Culex pipiens* complex in the islands of Macaronesia. *Ecology and Evolution* 2: 1889-1902.
23. Gomes B., Parreira R., Sousa C.A., Novo M.T., Almeida A.P.G., Donnelly M.J., Pinto J. (2012). The *Culex pipiens* complex in continental Portugal: distribution and genetic structure. *Journal of the American Mosquito Control Association* 28:75-80.
24. Vicente J.L., Sousa C.A., Alten B., Caglar S.S., Facultá E., Latorre J.M., Toty C., Barré H., Demirci B., Luca M.D., Toma L., Alves R., Salgueiro P., Silva T.L., Bargues M.D., Mas-Coma S., Boccolini D., Romi R., Nicolescu G., Rosário V.E., Ozer N., Fontenille D., Pinto J. (2011).

Genetic and phenotypic variation of the malaria vector *Anopheles atroparvus* in southern Europe. *Malaria Journal* 10:5.

25. Lourenço P.M., Sousa C.A., Seixas J., Lopes P., Novo M.T., Almeida A.P. (2011). *Anopheles atroparvus* density modeling using MODIS NDVI in a former malarious area in Portugal. *Journal of Vector Ecology* 36:279-91.
26. Alves J., Gomes B., Rodrigues R., Silva J., Arez A.P., Pinto J., Sousa C. A (2010). Mosquito fauna in Cape Verde islands (West Africa): an update on species distribution and a new finding. *Journal of Vector Ecology* 35:307-312
27. Almeida A.P.G., Freitas F.B., Novo M.T., Sousa C.A., Rodrigues J.C., Alves R., Esteves A.(2010) Mosquito Surveys and West Nile Virus Screening in two Different Areas of Southern Portugal, 2004-2007. *Vector-Borne and Zoonotic Diseases* 10:673-680.
28. Gomes B., Sousa C.A., Novo M.T., Freitas F.B., Alves R., Côrte-Real A.R., Salgueiro P., Donnelly M.J., Almeida A.P.G., Pinto J. (2009). Asymmetric introgression between sympatric *molestus* and *pipiens* forms of *Culex pipiens* (Diptera: Culicidae) in the Comporta region, Portugal. *BMC Evolutionary Biology*.  
<http://www.biomedcentral.com/1471-2148/9/262>.
29. Capinha C., Gomes E., Reis E., Rocha J., Sousa C.A., Almeida P., Rosário V. (2009). Present habitat suitability for *Anopheles atroparvus* (Diptera, Culicidae) and its coincidence with former malaria areas in Mainland Portugal". *Geospatial Health* 3: 177-187.
30. Almeida A.P.G., Galão R.P., Sousa C.A., Novo M.T., Parreira R., Pinto J., Piedade J., Esteves A. (2008). Potential mosquito vectors of arboviruses in Portugal: species, distribution, abundance and West Nile infection. *Transactions of the Royal Society of Tropical Medicine and Hygiene* 102: 823-32.
31. Almeida A.P.G., Gonçalves Y.M., Novo M.T., Sousa C.A., Melim M., Grácio A.J. (2007). Vector monitoring of *Aedes aegypti* in the Autonomous Region of Madeira, Portugal. *Eurosurveillance*, 12, Issue 46, 15 November 2007.
32. Esteves A., Almeida A.P.G., Galão R.P., Parreira R., Piedade J., Rodrigues J.C., Sousa C.A., Novo T. (2005). West Nile Virus in Southern Portugal. *Vector-Borne & Zoonotic Diseases* 5: 410-413.

33. Aranda C., Aponte J.J., Saúte F., Casimiro S., Pinto J., Sousa C.A., do Rosário V.E., Petrarca V., Dgedge M., Alonso P. (2005). Entomological characteristics of malaria transmission in Manhiça, a rural area in southern Mozambique. *Journal of Medical Entomology* 42: 180-186.
34. Charlwood J.D., Alcantara J., Pinto J., Sousa C.A., Rompao H., Gil V., do Rosario V.E. (2005) Do bednets reduce malaria transmission by exophagic mosquitoes? *Transactions Royal Society Tropical Medicine Hygiene* 99:901-904.
35. Almeida A.P.G., Galão R.P., Novo M.T., Sousa C.A., Parreira R., Rodrigues J.C., Pinto J., Carvalho L. (2005). Update on the distribution of some mosquito (Diptera: Culicidae) species in Portugal. *European Mosquito Bulletin* 19: 20-25.
36. Almeida A.P.G., Baptista S.S., Sousa C.A., Novo M.T., Ramos H.C., Panella N.A., Godsey M., Simões M.J., Anselmo M.L., Komar N., Mitchell C.J., Ribeiro, H. (2005). Bioecology and vectorial capacity of *Aedes albopictus* (Diptera: Culicidae) in Macao, China, in relation to dengue virus transmission. *Journal of Medical Entomology* 42: 419-428.
37. Charlwood J.D., Pinto J., Sousa C.A., Ferreira C., Gil V., do Rosário V.E. (2003). Raised houses reduce mosquito bites. *Malaria Journal* 2: 45.
38. Charlwood J.D., Pinto J., Sousa C.A., Ferreira C., Gil V., do Rosário V.E. (2003). Mating does not affect the biting behaviour of *Anopheles gambiae* from the islands of São Tomé and Príncipe, West Africa. *Annals of Tropical Medicine and Parasitology* 97: 751-756.
39. Drakeley C., Schellenberg D., Kihonda J., Sousa C.A., Arez A.P., Lopes D., Lines J., Mshinda H., Lengeler C., Armstrong Schellenberg J., Tanner M., Alonso P. (2003). An estimation of the entomological inoculation rate for Ifakara: a semi-urban area in a region of intense malaria transmission in Tanzania. *Tropical Medicine & International Health* 8: 767-774.
40. Pinto J., Donnelly M.J., Sousa C.A., Malta-Vacas J., Gil V., Ferreira C., Petrarca V., do Rosário V.E., Charlwood J.D. (2003). An island within an island: genetic differentiation of *Anopheles gambiae* in São Tomé, West Africa, and its relevance to malaria vector control. *Heredity* 91: 407-414.

41. Charlwood J.D., Pinto J., Sousa C.A., Ferreira C., Petrarca V., do Rosario V.E. (2003). A mate or a meal. Pre-gravid behaviour of female *Anopheles gambiae* from the islands of São Tomé and Príncipe, West Africa. *Malaria Journal* 2: 9.
42. Charlwood J.D., Pinto J., Sousa C.A., Madsen H., Ferreira C., do Rosario V.E. (2002). The swarming and mating behaviour of *Anopheles gambiae* s.s. (Diptera: Culicidae) from São Tomé island. *Journal of Vector Ecology* 27: 178-183.
43. Charlwood J.D., Pinto J., Sousa C.A., Ferreira C., do Rosário V.E. (2002). Male size does not affect mating success (of *Anopheles gambiae* in São Tomé). *Medical and Veterinary Entomology* 16: 109-111.
44. Pinto J., Donnelly M.J., Sousa C.A., Gil V., Ferreira C., Elissa N., do Rosário V.E., Charlwood J.D. (2002). Genetic structure of *Anopheles gambiae* (Diptera: Culicidae) in São Tomé and Príncipe (West Africa): implications for malaria control. *Molecular Ecology* 11: 2183-2187.
45. Sousa C.A., Pinto J., Almeida A.P.G, Ferreira C., do Rosário V.E., Charlwood J.D. (2001). Dogs as a favoured host choice of *Anopheles gambiae* sensu stricto (Diptera: Culicidae) of São Tomé, West Africa. *Journal of Medical Entomology* 38: 122-125.
46. Pinto J., Sousa C.A., Gil V., Ferreira C., Gonçalves L., Lopes D., Petrarca V., Charlwood J.D., do Rosário V.E. (2000). Malaria in São Tomé and Príncipe: parasite prevalences and mosquito densities. *Acta Trópica* 76: 185-193.
47. Ramos H.C., Ribeiro H., Mitchell C.J., Novo M.T., Baptista S., Sousa C.A., Almeida A.P.G., Pedro M.J., Easton E.R., Anselmo M.L. (2000). On *Coquilletidia crassipes*, a new record for Macau, with a key to adults of the subgenera and species Groups of the genus (Diptera:Culicidae). *Journal of the American Mosquito Control Association* 16:66-70.
48. Pinto J., Sousa C.A., Gil V., Gonçalves L., Lopes D., do Rosário V.E., Charlwood J.D. (2000). Mixed-species malaria infections in the human population of São Tomé island, West Africa. *Transactions of the Royal Society of Tropical Medicine and Hygiene* 94: 256-257.
49. Arez A.P., Snounou G., Pinto J., Sousa C.A., Modiano D., Ribeiro, H., Franco A.S., Alves J., do Rosário V.E. (1999). A Clonal *Plasmodium falciparum* population in an isolated outbreak of malaria in the Republic of Cabo Verde. *Parasitology* 118: 347-355.

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51. Semião-Santos S.J., Harith A.E., Ferreira E., Alves-Pires C., Sousa C.A., Gusmão R. (1995). Évora district as a new focus for canine leishmaniasis in Portugal. *Parasitology Research* 81:235-239.
  
52. Capela R., Sousa C.A., Pena I., Caeiro V. (1993). Preliminary note on the distribution and ecology of *Culicoides imicola* in Portugal. *Medical and Veterinary Entomology* 7 (1): 23-26.

Lisbon, 28<sup>th</sup> of March 2018.