

## Bibliography

Chinery M. (1973). A Field Guide to the Insects of Britain and Northern Europe Collins; 1st Ed. edition (January 1, 1973)

Ross, H.H. Ross, C.H. and Ross, J.R. (1982) Textbook of Entomology: 4th Edition . John Wiley and Sons Ltd; 2nd edition (June, 1982)

Borror,D.J., DeLong D.M. and Triplehorn C.A. (1954) An Introduction to the Study of Insects: 4th Edition. New York, Holt Rinehart and Winston

Snodgrass, R.E. (1959) The anatomical life of the mosquito. Smithsonian Institution (November, 1959). Research Associate Smithsonian Institution Vol:139, Num:8, DOI:4388

Horn, D.J. (1976). Biology of Insects. Saunders; First Edition (January 1, 1976)

Thomas, D.D., Donnelly, C.A., Wood, R.J. and Alphey, S.L.(2000). Insect population control using a dominant, repressible, lethal genetic system.

Kjanjou, M., Jiraungkoo, K., Kosai, P., Jiraungkoo, W. (2012). Effect of Muraya paniculata Leaf extract against Culex quinquefasciatus Larvae. Retrieved from: Mukabana, W.R., Takken, W., Coe, R. and Knols, B.G.J. (2002). Host specific cues cause differential attractiveness of Kenyan men to the African malaria vector *Anopheles gambiae*.

Lindsay, S.W., Emerson, P.M. and Charlwood, J.D. (2002). Reducing malaria by mosquito-proofing houses. Trends Parasitol. 2002 Nov;18(11):510-4. doi: 10.1016/s1471-4922(02)02382-6. PMID: 12473368.

Braks, M.A.H., R.A. Anderson and B.G.J. Knols (1999). Infochemicals in mosquito host selection: Human skin microflora and Plasmodium parasites. ISSN 1816-4943

Braks,M.A.H. and Takken, W. (1999). Incubated Human sweat but not fresh sweat attracts the Malaria mosquito *Anopheles gambiae* sensu stricto. J Chem Ecol 25, 663–672 (1999).  
<https://doi.org/10.1023/A:1020970307748>

Badea, I. and Radu, G.L. (2018). Introductory chapter: Carboxylic acids- Key Role in life sciences. DOI:10.5572/interchopen.77021

Keswani, R.K. and Bellare, J.R. (2006). A Review of Mosquito Attraction studies: Important parameters and techniques.

McGuiness, S.L. and Wu, H.M. (2019). Pretravel considerations for non-vaccine-preventable travel infections.

Roehrig J.T., Layton M., Smith P., Campbell G.L., Nasci R., Lanciotti R.S. (2002) The Emergence of West Nile Virus in North America: Ecology, Epidemiology, and Surveillance.

Martina, B.E.E., Koraka, P. and Osterhaus, D.M.E (2009). Dengue Virus Pathogenesis: An integrated view. DOI: 10.1128/CMR.00035-09

Petersen, L.R., Denise, M.P.H., Jameison, M.D., Powers, A.M. and Honein, M.A. (2016). Zika Virus. N Engl J Med 2016; 374:1552-1563 DOI: 10.1056/NEJMra1602113

Grandadam, M., Caro, V., Plummet, S., Thiberge, J.M., Souares, Y., Failoux, A.B., Tolou, H.J., Budelot, M., Cosserat, D. and Lepar-Goffart, I. (2011). Chikungunya Virus: Southeastern France. Emerg Infect Dis. 2011;17(5):910-913. doi:10.3201/eid1705.101873

Smith, R.C., Rodrigues, J.V. and Jacobs-Lorena, M. (2014). The Plasmodium bottleneck: malaria parasite losses in the mosquito vector. Mem. Inst. Oswaldo Cruz [online]. 2014, vol.109, n.5 [cited 2020-12-09], pp.644-661. Available from: <[http://www.scielo.br/scielo.php?script=sci\\_arttext&pid=S0074-02762014000500644&lng=en&nrm=iso](http://www.scielo.br/scielo.php?script=sci_arttext&pid=S0074-02762014000500644&lng=en&nrm=iso)>. ISSN 1678-8060. <http://dx.doi.org/10.1590/0074-0276130597>.

Sadanand,S. (2010). Malaria: An Evaluation of the Current State of Research on Pathogenesis and Antimalarial Drugs. Yale J Biol Med. 2010;83(4):185-191.

Vlachou, D., Schlegelmilch, T., Run, E., Mendens, A. and Kafatos F.C. (2006). The developmental migration of Plasmodium in mosquitoes. ISSN 0959-437X, doi.org/10.1016/j.gde.2006.06.012.

Wynd,S., Melrose, W.D., Durrheim, D.N., Carron, J. and Gyapong M. (2007). Understanding the community impact of lymphatic filariasis: a review of the sociocultural literature. Bulletin of the World Health Organization 2007;85:493–498.

Otsuji, Y.(2011). History, Epidemiology and Control of Filariasis. Trop Med Health. 2011;39(1 Suppl 2):3-13. doi:10.2149/tmh.39-1-suppl\_2-3

Culler, L.E., Matthew, P. and Virginia, R.A. (2015). In a warmer Arctic, mosquitoes avoid increased mortality from predators by growing faster. Proc. R. Soc. B.28220151549

DeSiervo, M.H. (2018). Controls on Arctic mosquito (*Aedes nigripes*) populations in western Greenland. Dartmouth College, New Hampshire, USA,  
doi:[www.arcticbiodiversity.is/index.php/program/presentations2018/413-controls-on-arctic-mosquito-aedes-nigripes-populations-in-western-greenland-melissa-h-desiervo](http://www.arcticbiodiversity.is/index.php/program/presentations2018/413-controls-on-arctic-mosquito-aedes-nigripes-populations-in-western-greenland-melissa-h-desiervo)

Schäfer,M and Lundström, J.O. (2001). Comparison of Mosquito (Diptera: Culicidae) Fauna Characteristics of Forested Wetlands in Sweden. Annals of the Entomological Society of America, Volume 94, Issue 4, 1 July 2001, Pages 576–582

Lundström, J.O., Schäfer, M.L., Hesson, J.C. and Blomgren, E. (2013). The geographic distribution of mosquito species in Sweden. Journal of the European Mosquito Control Association, ISSN 1460-6127, Vol. 31, p. 21-35

Danks, H.V. and Corbet, P.S. (1973). SEX RATIOS AT EMERGENCE OF TWO SPECIES OF HIGH-ARCTIC AEDES (DIPTERA: CULICIDAE). *Can. Ent.* 105: 647-651

Brust, R.A. (2012). TEMPERATURE-INDUCED INTERSEXES IN AEDES MOSQUITOES: COMPARATIVE STUDY OF SPECIES FROM MANITOBA. *The Canadian Entomologist*, 100(8), 879-891. doi:10.4039/Ent100879-8

Pereira, R., Narita, S., Kageyama D. and Kjellberg, F. (2010). Gynandromorphs and intersexes: potential to understand the mechanism of sex determination in arthropods. *Terrestrial Arthropod Reviews*, 3(1), 63-96. doi:doi.org/10.1163/187498310X496190

Mishra, P. and Mishra S.K. (2018). Role of Microbial Flora and Probiotics in Host Immune Homeostasis. DOI: 10.7324/JAPS.2018.81018 ISSN 2231-3354

DeServio, M.H., Aryes, M.P., Virgina, R.A. and Culler, L.E. (2020). Consumer–resource dynamics in Arctic ponds. *Consumer–resource dynamics in Arctic ponds. Ecology* 101( 10):e03135. 10.1002/ecy.3135

Chen, X.G., Jiang,X., Gu,J., Xu,M., Wu,y., Deng, Y., Zhang, C., Bonizzoni,M., Dermauw,W., Vontas, J., Armbruster, P., Huang, X., Yang,Y., Zhang,H., He,W., Peng,H., Liu,Y., Wu,K., Chen,J., Lirakis,M.,Topalis,P., Van Leeuwen,T., Hall,A.B., Jiang,X., Thorpe, C., Mueller,R.C., Sun,C., Waterhouse, R.M., Yan,G., Tu,Z.J., Fang,X. and James A.A.(2015). Genome sequence of the Asian Tiger mosquito, *Aedes albopictus*, reveals insights into its biology, genetics, and evolution. *Proceedings of the National Academy of Sciences Nov 2015*, 112 (44) E5907-E5915; DOI: 10.1073/pnas.1516410112

Bai, L., Morton, L.C. and Liu, X. (2013). Climate change and mosquito-borne diseases in China: a review. *Global Health* 9, 10 (2013). <https://doi.org/10.1186/1744-8603-9-10>

Reiter, P., Gubler, D.J., Ebi, K.L., Yap, W. and Patz, J.A. (2001). Climate variability and change in the United States: potential impacts on vector- and rodent-borne diseases. *Environ Health Perspect*. 2001;109 Suppl 2(Suppl 2):223-233. doi:10.1289/ehp.109-1240669

Russell, D.G., Satoskar, A.R. and Alexander, J. (1999). *Leishmania* species: models of intracellular parasitism. *Journal of Cell Science* 1999 112: 2993-3002;

Biteye, Bi., Durand ,B., Lo Modou,M., Tran,A.,Ba,A., Sow, F., Belkhiria, J., Fall, G.A., Grosbois, V. and Chevalier, V. (2020). Rift Valley fever in northern Senegal: A modelling approach to analyse the processes underlying virus circulation recurrence. *PLOS Neglected Tropical Diseases* 14(6): e0008009. doi.org/10.1371/journal.pntd.0008009

Jakobson, J.A.M., Hogan, K.A., Regan, M.O., Backman, J., Evans, J., Hell, B., Lowemark, L., Marcussen C., Normets, R., Cofaig, C.O., Sellen, E. and Solstven N., (2010). High-resolution geophysical observations of the Yermak Plateau and northern Svalbard margin: implications for ice-sheet grounding and deep-keeled icebergs. ISSN 0277-3791, doi.org/10.1016/j.quascirev.2010.06.002.

Schuler T. V., Kohler J, Elagina N, Hagen J.O M., Hodson A. J., Jania J. A., Kääb A. M., Luks B., Małecki J., Moholdt G., Pohjola V. A., Sobota I, Van Pelt W. J. J. (2020). Reconciling Svalbard Glacier Mass Balance. DOI=10.3389/feart.2020.00156 ISSN=2296-6463

Koerner, R.J., Goodfellow, M., Jones, A.L. (2009). The genus Dietzia: a new home for some known and emerging opportunist pathogens. FEMS Immunol Med Microbiol. 2009 Apr;55(3):296-305. doi: 10.1111/j.1574-695X.2008.00513.x. Epub 2009 Jan 13. PMID: 19159434.

Rainey FA, Klatte S, Kroppenstedt RM, Stackebrandt (1995). *E. Dietzia*, a new genus including *Dietzia maris* comb. nov., formerly *Rhodococcus maris*. Retrieved from:  
<https://pubmed.ncbi.nlm.nih.gov/7857805/>

Yassin, A.F., Hupfer, H. and Schaal, K.P. (2006). *Dietzia cinnamea* sp. nov., a novel species isolated from a perianal swab of a patient with a bone marrow transplant. Volume 56, Issue 3, doi.org/10.1099/ijc.0.63863-0

Roland J. Koerner, Michael Goodfellow, Amanda L. Jones (2009). The genus Dietzia: a new home for some known and emerging opportunist pathogens. FEMS Immunology & Medical Microbiology, Volume 55, Issue 3, April 2009, Pages 296–305, doi.org/10.1111/j.1574-695X.2008.00513.x

C. Ferragut, D. Izard, F. Gavini, B. Lefebvre, H. Leclerc (1981). *Buttiauxella*, a new genus of the family Enterobacteraceae. ISSN 0721-9571, doi.org/10.1016/S0721-9571(81)80016-6.

Furlan J.P.R., Braz V.S., Paschoal J.A.R., Stehling E.G. (2009). *Buttiauxella chrysanthemi* sp. nov., isolated from a chrysanthemum plantation in Brazil. Arch Microbiol. 2018 Nov;200(9):1365-1369. doi: 10.1007/s00203-018-1548-5. Epub 2018 Jul 4. PMID: 29974159.

Noreika, A., Meškys, R., Lazutka, J. (2020). Complete genome sequence of *Buttiauxella* phage. Arch Virol 165, 2685–2687 (2020). doi.org/10.1007/s00705-020-04780-7

Peix, A., Ramírez-Bahena, M.H., Velázquez, E. (2009). Historical evolution and current status of the taxonomy of genus *Pseudomonas*. ISSN 1567-1348,

doi.org/10.1016/j.meegid.2009.08.001.

Stolp H., Gadkari D. (1981). Nonpathogenic Members of the Genus *Pseudomonas*. doi.org/10.1099/00207713-23-4-333

Takeuchi, M., Hamana, K and Hiraishi A. (2001). Proposal of the genus *Sphingomonas* sensu stricto and three new genera, *Sphingobium*, *Novosphingobium* and *Sphingopyxis*, on the basis of phylogenetic and chemotaxonomic analyses. Int J Syst Evol Microbiol. 2001 Jul;51(Pt 4):1405-17. doi: 10.1099/00207713-51-4-1405. PMID: 11491340.

Busse, H.J., Kämpfer, P. & Denner, E. (1999). Chemotaxonomic characterisation of *Sphingomonas*. J Ind Microbiol Biotech 23, 242–251 (1999). <https://doi.org/10.1038/sj.jim.2900745>

Scolari F, Casiraghi M, Bonizzoni M.(2019). Aedes spp. and Their Microbiota: A Review. *Front Microbiol.* 2019;10:2036. Published 2019 Sep 4. doi:10.3389/fmicb.2019.02036

Thongsripong P, Chandler JA, Green AB, Kittayapong P, Wilcox BA, Kapan DD, Bennett SN.(2017). Mosquito vector-associated microbiota: Metabarcoding bacteria and eukaryotic symbionts across habitat types in Thailand endemic for dengue and other arthropod-borne diseases. *Ecol Evol.* 2017 Dec 27;8(2):1352-1368. doi: 10.1002/ece3.3676. PMID: 29375803; PMCID: PMC5773340.

Alfano N, Tagliapietra V, Rosso F, Manica M, Arnoldi D, Pindo M, Rizzoli A. (2019). Changes in Microbiota Across Developmental Stages of *Aedes koreicus*, an Invasive Mosquito Vector in Europe: Indications for Microbiota-Based Control Strategies. *Front Microbiol.* 2019 Dec 10;10:2832. doi: 10.3389/fmicb.2019.02832. PMID: 31921019; PMCID: PMC6914824.

Guégan M, Minard G, Tran FH, Tran Van V, Dubost A, Valiente Moro C. (2018). Short-term impacts of anthropogenic stressors on *Aedes albopictus* mosquito vector microbiota. *FEMS Microbiol Ecol.* 2018 Dec 1;94(12). doi: 10.1093/femsec/fiy188. PMID: 30239661.

Kronefeld,M., Schaffner, F., Kampen, H. and Werner, D. (2013). Gynandromorphism and intersexualism in Culicidae (Diptera: Culicomorpha: Culicoidea): description of five individual cases and a literature review. *Studia dipterologica* 20 (2) 2013: 239–253. ISSN 0945-3954

Ning SF, Zhou JC, Liu QQ, Zhao Q, Dong H. (2019). Gradual, temperature-induced change of secondary sexual characteristics in *Trichogramma pretiosum* infected with parthenogenesis-inducing Wolbachia. *PeerJ.* 2019;7:e7567. Published 2019 Aug 23. doi:10.7717/peerj.7567

Afrane YA, Githeko AK, Yan G. (2012). The ecology of *Anopheles* mosquitoes under climate change: case studies from the effects of deforestation in East African highlands. *Ann N Y Acad Sci.* 2012 Feb;1249:204-10. doi: 10.1111/j.1749-6632.2011.06432.x. Epub 2012 Feb 9. PMID: 22320421; PMCID: PMC3767301.

Müllerová, J., Elsterová, J., Černý, J. (2017). No indication of arthropod-vectored viruses in mosquitoes (Diptera: Culicidae) collected on Greenland and Svalbard. *Polar Biol* 41, 1581–1586 (2018). <https://doi.org/10.1007/s00300-017-2242-9>

Thongsripong P, Chandler JA, Green AB, Kittayapong P, Wilcox BA, Kapan DD, Bennett SN. (2017). Mosquito vector-associated microbiota: Metabarcoding bacteria and eukaryotic symbionts across habitat types in Thailand endemic for dengue and other arthropod-borne diseases. *Ecol Evol.* 2017 Dec 27;8(2):1352-1368. doi: 10.1002/ece3.3676. PMID: 29375803; PMCID: PMC5773340.

Gao H, Cui C, Wang L, Jacobs-Lorena M, Wang S. (2019). Mosquito Microbiota and Implications for Disease Control. *Trends Parasitol.* 2020 Feb;36(2):98-111. doi: 10.1016/j.pt.2019.12.001. Epub 2019 Dec 19. PMID: 31866183.

Ippolito MM, Denny JE, Langelier C, Sears CL, Schmidt NW.(2018). Malaria and the Microbiome:A Systematic Review. : A Systematic Review. Clin Infect Dis. 2018 Nov 28;67(12):1831-1839. doi: 10.1093/cid/ciy374. PMID: 29701835; PMCID: PMC6260159.

Muturi EJ, Lagos-Kutz D, Dunlap C, Ramirez JL, Rooney AP, Hartman GL, Fields CJ, Rendon G, Kim CH. (2018). Mosquito microbiota cluster by host sampling location. Parasit Vectors. 2018 Aug 14;11(1):468. doi: 10.1186/s13071-018-3036-9. PMID: 30107817; PMCID: PMC6092830.

Bartholomay LC, Michel K. (2018). Mosquito Immunobiology: The Intersection of Vector Health and Vector Competence. Annu Rev Entomol. 2018 Jan 7;63:145-167. doi: 10.1146/annurev-ento-010715-023530. PMID: 29324042.

Shaikevich E, Bogacheva A, Ganushkina L.(2019). Dirofilaria and Wolbachia in mosquitoes (Diptera: Culicidae) in central European Russia and on the Black Sea coast. Parasite. 2019;26:2. doi: 10.1051/parasite/2019002. Epub 2019 Jan 15. PMID: 30644356; PMCID: PMC6333102.

Shaikevich E, Bogacheva A, Rakova V, Ganushkina L, Ilinsky Y. (2019). Wolbachia symbionts in mosquitoes: Intra- and intersupergroup recombinations, horizontal transmission and evolution. Mol Phylogenet Evol. 2019 May;134:24-34. doi: 10.1016/j.ympev.2019.01.020. Epub 2019 Jan 29. PMID: 30708172.

Terenius,O., Lindh,J.M., Eriksson-Gonzales,K., Bussière,L., Laugen,A.T., Bergquist, H., Titanji,K. and Faye, I. (2012). Midgut bacterial dynamics in *Aedes aegypti*. J. Vector Borne Dis. 2018 Apr-Jun;55(2):69-78. doi: 10.4103/0972-9062.242567. PMID: 30280704.

Damiani, C., Ricci, I., Crotti, E. (2010). Mosquito-Bacteria Symbiosis: The Case of *Anopheles gambiae* and Asaia . Microb Ecol 60, 644–654 (2010).