

DAFTAR PUSTAKA

- Abdel-Rahman, E.H., P.J. Taylor, G. Contrafatto, J.M. Lamb, P. Bloomer & C.T. Chimimba. 2009. Geometric craniometric analysis of sexual dimorphism and ontogenetic variation: a case study based on two geographically disparate species, *Aethomys ineptus* from southern Africa and *Arvicanthis niloticus* from Sudan (Rodentia: Muridae). *Mammalian Biology*. 74:361–373.
- Allwood, A.J. 1996. Biology and ecology: prerequisites for understanding and managing fruit flies (Diptera: Tephritidae). *In*: A.J. Allwood, R.A.J. Drew (Eds.). *Management of Fruit Flies in the Pacific A regional symposium*, Nadi, Fiji 28-31 October 1996. 95-101.
- Allwood, A.J. & L. Leblanc. 1997. Losses caused by fruit flies (Diptera: Tephritidae) in seven Pacific Island countries. *In*: A.J. Allwood, R.A.J. Drew (Eds.). *Management of Fruit Flies in the Pacific*. ACIAR Proceedings No. 76. Australian Centre for International Agricultural Research, Canberra. 208–211.
- Allwood, A.J., A. Chinajaryawong, R.A.I. Drew, E.L. Hamacek, D.L. Hancock, C. Hengsawad, J.C. Jipanin, M. Jirasurat, C. Kong Krong, & S. Kritsaneepaiboon. 1999. Host plant records for fruit flies (Diptera: Tephritidae) in South East Asia. *Raffles Bull. Zool. Suppl.* 7: 1–92.
- Aluja, M., F. Diaz-Fleischer, D.R. Papaj, G. Lagunes, & J. Sivinski. 2001. Effects of age, diet, female density, and the host resource on egg load in *Anastrepha ludens* and *Anastrepha obliqua* (Diptera: Tephritidae). *Journal of insect physiology*. 47: 975-988.
- Armstrong, K.F. & S.L. Ball. 2011. DNA barcodes for biosecurity: invasive species identification. *Phil Trans R Soc B*. 360: 1813–1823.
- Azirun, M.S., F.A. Muttardi, M.R. Hashim, & M.M. Rahma. 2011. Study on wing fanning as a signal of sexual response and courtship behavior of *Bactrocera papayae*. *African Journal of Biotechnology*. 10 (39): 7690-7699.
- Barr, N.B. 2009. Pathway analysis of *Ceratitis capitata* (Diptera: Tephritidae) using mitochondrial DNA. *Journal of Economical Entomology*, 102: 401–411.
- Basheer, V.S., L.M. Chowdhury, C. Mohith, & K.K. Bineesh. 2016. *Barcoding* of Indian marine fishes: for identification and conservation. *In*: *DNA Barcoding in Marine Perspectives*. Springer, Berlin.
- Bellis, G.A., J.F. Donaldson, M. Carver, D.L. Hancock & M.J. Fletcher. 2004. Records of insect pests on Christmas Island and the Cocos (Keeling) Islands, Indian Ocean. *Australian Entomologist*. 31: 93–102.
- Benítez, H.A., 2013. Assessment of patterns of fluctuating asymmetry and sexual dimorphism in carabid body shape. *Neotrop. Entomol.* 42, 164–169.
- Bellis G.A., R. Falciano, A. Alves & M. Hearnden. 2006. A survey of insect pests breeding in mango fruit in Dili, East Timor. *Australian Entomologist*. 33: 35–38.

- Blacket, M.J., L. Semeraro, & M.B. Malipatil. 2012. Barcoding Queensland fruitflies (*Bactrocera tryoni*): impediments and improvements. *Molecular Ecology Resources*, 12, 428-436.
- Boykin, L.M., M.K. Schutze, & M.N. Krosch, 2014. Multi-gene phylogenetic analysis of south-east Asian pest members of the *Bactrocera dorsalis* species complex (Diptera: Tephritidae) does not support current taxonomy. *Journal of Applied Entomology*. 138: 235–253.
- Breno, M., H. Leirs, & S.V. Dongen. 2011. Traditional and geometric morphometrics for studying skull morphology during growth in *Mastomys natalensis* (Rodentia: Muridae). *Journal of Mammalogy*. 92 (6): 1395-1406.
- Brown, W.M., E. M. Prager, A. Wang, & A.C. Wilson. 1982. Mitochondrial DNA sequences of primate: Tempo and mode of evolution. *Journal of Molecular Evolution*, 18: 225-239.
- Buhay, J.E. 2009. "COI-like" sequences are becoming problematic in molecular systematic and DNA barcoding studies. *J Crustacean Biol*. 29 (1): 96-110.
- Ca'ceres, C., D.F. Segura, M.T. Vera, V. Wornoyaporn, J.L. Cladera, P. Teal, P. Sapountzis, K. Bourtzis, A. Zacharopoulou, & A.S. Robinson. 2009. Incipient speciation revealed in *Anastrepha fraterculus* (Diptera; Tephritidae) by studies on mating compatibility, sex pheromones, hybridization, and cytology. *Biol. J. Linn. Soc.* 97: 152-165.
- Cameron, S., D. Rubinoff, & K. Will. Who will actually use DNA barcoding and what will it cost? *Syst Biol* 2006. 55: 844-847.
- Chinajariyawong A, R.A.I. Drew, A. Meats, S. Balagawi, & S. Vijaysegaran. 2010. Multiple mating by females of two *Bactrocera* species (Diptera: Tephritidae: Dacinae). *Bulletin of Entomology Research*. 100 (3): 325-330.
- Clarke, A.R. 2019. *Biology and Management of Bactrocera and Related Fruit Flies*. Boston, MA: CABI. 268 p.
- Covo, H.E, R.M. Zeller, & W. Martin (2010) Molecular Poltergeists: Mitochondrial DNA Copies (numts) in Sequenced Nuclear Genomes. *PLoS Genet* 6(2): e1000834
- Deagle, B.E., S.N. Jarman, E. Coissac, F. Pompanon, & P. Taberlet. 2014. DNA metabarcoding and the cytochrome c oxidase subunit I marker: not a perfect match. *Biol. Lett.* 10:20140562.
- Dujardin, J.P., & S. Kitthawee. 2013. Phenetic structure of two *Bactrocera tau* cryptic species (Diptera: Tephritidae) infesting *Momordica cochinchinensis* (Cucurbitaceae) in Thailand and Laos. *Zoology*. 116: 129–138.
- Doyle, J.J. 1990 Isolation of Plant DNA from Fresh Tissue. *Focus*. 12: 13-15.
- Drew, R.A.I. 1989. The tropical fruit flies (Diptera: Tephritidae: Dacinae) of the Australasian and Oceanian regions. *Memoirs of the Queensland Museum*. 26: 521-539

- Drew, R.A.I., & M. C. Romig. 2013. Tropical fruit flies of South-East Asia (Tephritidae: Dacinae). Griffith University, Australia. 664 p.
- Floyd, R.M., J.J.Wilson, & P.D N. Hebert. 2009. DNA barcodes and insect biodiversity, *In* R. Footitt & P. Adler (ed.) Insect Biodiversity: Science and Society. Blackwell Publishing.
- Folmer, O., M. Black, W. Hoeh, R. Lutz, & R. Vrijenhoek. 1994. DNA primers for amplification of mitochondrial cytochrome c oxidase subunit I from diverse metazoan invertebrates. *Mol. Mar. Biol. Biotech.* 3: 294–299.
- Gascuel, O., & M. Steel. 2006. Neighbor-joining revealed. *Molecular Biology and Evolution.* 23(11): 1997-2000.
- Gómez-Cendra, P.V., L.E. Paulin, L. Oroño, S.M. Ovruski, & J.C. Vilardi, 2016. Morphometric differentiation among *Anastrepha fraterculus* (Diptera: tephritidae) exploiting sympatric alternate hosts. *Environ. Entomol.* 45: 508–517.
- Hancock, D.L., E.L. Hamacek, A.C. Lloyd, & M.M. Elson-Harris. 2000. The distribution and host plants of fruit flies (Diptera: Tephritidae) in Australia. Queensland Department of Primary Industry. Information series Q199067. Brisbane, Queensland. 75 p.
- Hardy, D. E., & Adachi, M. S. 1954. Studies in the Fruit Flies of the Philippine Islands, Indonesia, and Malaya. *Dacini (Tephritidae-Diptera)*. *Pacific science*, 8(2): 147-204.
- Hardy, D.E. & M. Adachi M. 1956. Insects of Micronesia, *Diptera Tephritidae*. *Insects of Micronesia* 14: 1–28.
- Hawiltschek, O., Z.T. Nagy, J. Berger, & F. Glaw. 2013. Reliable DNA *barcoding* performance proved for species and island populations of comoran squamate reptiles. *PloS One* 8 (9): e73368.
- Hebert, P.D., S. Ratnasingham, & J.R. de Waard. 2003. *Barcoding* animal life: cytochrome c oxidase subunit 1 divergences among closely related species. *Proceedings of the Royal Society of London B: Biological Sciences* 270 (Suppl 1): S96-S99.
- Hernández-Ortiz, V., A.F. Bartolucci, P. Morales-Valles, D. Frías & D. Selivon. 2012. Cryptic species of the *Anastrepha fraterculus* complex (Diptera: Tephritidae): a multivariate approach for the recognition of South American morphotypes. *Annals of the Entomological Society of America*, 105(2): 305-318.
- Hebert, P.D.N., E.H. Penton, J.M. Burns, D.H. Janzen, & W. Hallwachs, 2004. Ten species in one: DNA barcoding reveals cryptic species in the neotropical skipper butterfly *Astraptes fulgerator*. *Proc. Natl. Acad. Sci. U.S.A.* 101:14812–14817.
- Hlaing, T., W. Tun-Lin, P. Somboon, D. Socheat, T. Setha, S. Min, M.S. Chang, & C. Walton. 2009. Mitochondrial pseudogenes in the nuclear genome of *Aedes*

aegypti mosquitoes: implications for past and future population genetic studies. *BMC Genet.*, 10: 11.

- Hooper, G.H.S. 1978. Effects of larval rearing temperature on the development of the Mediterranean fruit fly, *Ceratitis capitata*. *Entomologia Experimentalis et Applicata* 23: 222–226.
- Indriyanti, D.R., Suputa, & S.N. Jannah. 2017. molecular identification of *Bactrocera* sp. fruit fly from Muria forest, central java, Indonesia. Asian Research Publishing Network. 12 (9): 2954-2961
- Iwaizumi, R., M. Kaneda, & O. Iwahashi. 1997. Correlation of length of terminalia of males & females among nine species of *Bactrocera* Diptera: Tephritidae & differences among sympatric species of *B. dorsalis* complex. *Annals of the Entomological Society of America* 90: 664–666.
- Iwahashi, O. 1999a. Distinguishing between the two sympatric species *Bactrocera carambolae* and *B. papayae* Diptera: Tephritidae based on aedeagal length. *Annals of the Entomological Society of America* 92: 639–643.
- Iwahashi, O. 1999b. Distinguishing between two sympatric species *Bactrocera occipitalis* and *B. philippinensis* Diptera: Tephritidae, based on aedeagal length. *Annals of the Entomological Society of America* 92:182–187.
- Jiang, F., Q. Jin, L. Liang, A.B. Zhang & Z.H. Li. 2014. Existence of species complex largely reduced *barcoding* success for invasive species of Tephritidae: a case study for *Bactrocera* spp. *Molecular Ecology*. 14: 1114–1128.
- Khamis, F. M., D. K. Masiga, S. A. Mohamed, D. Salifu, M. De Meyer, & S. Ekesi. 2012. Taxonomic identity of the invasive fruit fly pest, *Bactrocera invadens*: concordance in morphometry and DNA *barcoding*. *PLoS One*. 7: e44862.
- Kitthawee, S., & J.P. Dujardin. 2010. The geometric approach to explore the *Bactrocera tau* complex (Diptera: Tephritidae) in Thailand. *Zoology*. 113: 243–249.
- Kitthawee, S., & N. Rungsri. 2011. Differentiation in wing shape in the *Bactrocera tau* (Walker) complex on a single fruit species of Thailand. *Science Asia*, 4: 308–313.
- Klingenberg, C.P. 2006. Size, shape, and form: concepts of allometry in geometric morphometrics. *Dev Genes Evol*. 226: 113–137.
- Klingenberg, C.P. 2011. MorphoJ: an integrated software package for geometric morphometrics. *Mol Ecol Resour*. 11(2):353–7.
- Krainacker, D.A., J.R. Carey, & R.I. Vargas. 1987. Effect of larval host on life history traits of the Mediterranean fruit fly, *Ceratitis capitata*. *Oecologia* 73: 583–590.
- Krosch, M.N., F. Strutt, M.J. Blacket, J. Batovska, M. Starkie, A.R. Clarke, S.L. Cameron, & M.K. Schutze. 2018. Development of internal COI primers to improve and extend *barcoding* of fruit flies (Diptera: Tephritidae: Dacini). *Insect science*.

- Kuba, H. & J. Koyama, 1982. Mating behaviour of the melon fly, *Dacus cucurbitae* Coquiliet (Diptera: Tephritidae): comparative studies of the wild and two laboratory strains. *Applied Entomology and Zoology*, 17: 559-568.
- Kumar S., G. Stecher. M. Li, C. Knyaz & K. Tamura. 2018. MEGA X: Molecular Evolutionary Genetics Analysis across computing platforms. *Molecular Biology and Evolution* 35:1547-1549.
- Layton, K.K., A.L. Martel, & P.D. Hebert. 2014. Patterns of DNA barcode variation in Canadian marine molluscs. *PLoS One* 9 (4): e95003.
- Leblanc L, 1997. Fruit fly fauna in Federated States of Micronesia, Guam, Palua, Kiribati, Northern Marianas and Marshall Islands. *In*: A.J. Allwood, R.A.J. Drew (Eds.). *Management of Fruit Flies in the Pacific A regional symposium*, Nadi, Fiji. *ACIAR Proceedings*, 76:64-67.
- Leblanc, L., J. William & A.J. Allwood. 2004. Host Fruit of Mango Fly (*Bactrocera frauenfeldi* (Schiner)) (Diptera: Tephritidae) in the Federated States of Micronesia. *Micronesica* 37: 21-31.
- Leblanc, L., E.T. Vueti, R.A. Drew, & A.J. Allwood. 2012. Host plant records for fruit flies (Diptera: Tephritidae: Dacini) in the Pacific Islands. *Proceedings of the Hawaiian Entomological Society*. 44: 11-53.
- Lengkong, M, M., J. Pelealu, M. Tulung, V. Mantiri, & E.F. Lengkong. 2017. Identification of Genetic Diversity in *Bactrocera* spp. from Minahasa Regency Based on COI Barcode. *International Journal of ChemTech Research*. 10 (9): 974-982.
- Linda, Witjaksono, & Suputa. 2018. Species Composition of Fruit Flies (Diptera: Tephritidae) in Sorong and Raja Ampat, West Papua. *Jurnal Perlindungan Tanaman Indonesia*. 22(2): 193–200.
- Maderbacher, M., C. Bauer, J. Herler, L. Postl, L. Makasa, & C. Sturmbauer. 2008. Assessment of traditional versus geometric morphometrics for discriminating populations of the *Tropheus moorii* species complex (Teleostei: Cichlidae), a Lake Tanganyika model for allopatric speciation. *Journal of Zoological Systematics & Evolutionary Research*. 46:153–161.
- Mararuai A. 2010. Market access of Papua New Guinea bananas (*Musa* spp.) with particular respect to banana fly (*Bactrocera musae* (Tryon)) (Diptera: Tephritidae). PhD thesis. Queensland University of Technology. Queensland.
- Marchini, D., G. Del Bene, L. Cappelli, and R. Dallai. 2003. Ultrastructure of the male reproductive accessory glands in the medfly *Ceratitis capitata* (Diptera: Tephritidae) and preliminary characterization of their secretions. *Arthropod structure & development*. 31: 313-327.
- Marsteller, S., Adams, D.C., Collyer, M.L., & Condon, M. 2009. Six cryptic species on a single species of host plant: morphometric evidence for possible reproductive character displacement. *Ecological Entomology*. 34: 66–73.

- Meier, R., K. Shiyang, & G. Vaidya. DNA barcoding and taxonomy in Diptera: a tale of high intraspecific variability and low identification success. *Syst Biol* 2006, 55:715-728.
- Meusnier, I., G.A. Singer, J.F. Landry, D.A. Hickey, P.D. Hebert, & M. Hajibabaei. 2008. A universal DNA mini-barcode for biodiversity analysis. *BMC Genomics* 9: 214
- Morrow, J.L., M. Frommer, J.E. Royer, D.C.A. Shearman, & M. Riegler. 2015. *Wolbachia* pseudogenes and low prevalence infections in tropical but not temperate Australian tephritid fruit flies: manifestations of lateral gene transfer and endosymbiont spillover? *BMC Evolutionary Biology*, 15: 202-210
- Moulton, M.J., H. Song, & M.F. Whiting. 2010. Assessing the effects of primer specificity on eliminating numt coamplification in DNA barcoding: a case study from Orthoptera (Arthropoda: Insecta). *Mol Ecol Resour* 10 (4): 615-627.
- Onah, I.E., J.E. Eyo & D. Taylor. 2015. Molecular identification of tephritid fruit flies (Diptera: Tephritidae) infesting sweet oranges in Nsukka Agro-Ecological Zone, Nigeria, based on PCR-RFLP of COI gene and DNA *barcoding*. *African Entomology*. 23(2): 342–347.
- Pamilo, P., L. Viljakainen, & A. Vihavainen. 2007. Exceptionally high density of NUMTs in the honeybee genome. *Mol Biol Evol* 24: 1340–1346.
- Perre, P., Jorge, L.R., Lewinsohn, T.M., & Zucchi, R.A., 2014. Morphometric differentiation of fruit fly pest species of the *Anastrepha fraterculus* group (Diptera: Tephritidae). *Annals of the Entomological Society of America*. 107(2): 490–495.
- Pereira, S.L., & A.J. Baker. 2004. Low number of mitochondrial pseudogenes in the chicken (*Gallus gallus*) nuclear genome: Implications for molecular inference of population history and phylogenetics. *BMC Evol Biol* 4: 17-27
- Pieterse, W., H. A. Benítez, & P. Addison. 2017. The use of geometric morphometric analysis to illustrate the shape change induced by different fruit hosts on the wing shape of *Bactrocera dorsalis* and *Ceratitis capitata* (Diptera: Tephritidae). *Zoologischer Anzeiger*. 269: 110-116.
- Plant Health Australia. 2018. The Australian Handbook for the Identification of Fruit Flies. Plant Health Australia.
- Poramarcom, R. & Baimai, V. 1996. Sexual behavior and signals used for mating of *Bactrocera correcta*. *Fruit fly pests: a world assessment of their biology and management*. Delray Beach, FL: St. Lucie Press, c1996. p. 51-58.
- Pramudi, M.I, R.D. Puspitarini, & B.T. Rahardjo. 2013. Keanekaragaman dan kekerabatan lalat buah (Diptera: Tephritidae) di Kalimantan Selatan berdasarkan karakter morfologi dan molekuler (rapd-pcr dan sekuensing DNA). *J. HPT Tropika*. 13(2): 191 – 202.
- Rohlf, F.J. 1990. Morphometrics. *Annual Review of Ecology and Systematics* 21:299–316.

- Rohlf, F.J., & L. F. Marcus. 1993. A revolution in morphometrics. *Trends in Ecology & Evolution* 8:129–132.
- Rohlf, F.J. 2003. tpsRelw. relative warps analysis, version 1.36. Stony Brook: Department of Ecology and Evolution, State University of New York.
- Rohlf, F.J. 2005. tpsDig. digitize landmarks and outlines, version 2.05. Stony Brook: Department of Ecology and Evolution, State University of New York.
- Royer, J. E., Wright, C. L., & Hancock, D. L. 2016. *Bactrocera frauenfeldi* (Diptera: Tephritidae), an invasive fruit fly in Australia that may have reached the extent of its spread due to environmental variables. *Austral Entomology*. 55(1), 100–111.
- San Jose, M., L. Leblanc, & S.M. Geib. 2013 An evaluation of the species status of *Bactrocera invadens* and the systematics of the *Bactrocera dorsalis* (Diptera: Tephritidae) complex. *Annals of the Entomological Society of America*, 106: 684–694.
- Schutze, M., K.A. Jessup, & A.R. Clarke. 2012. Wing shape as a potential discriminator of morphologically similar pest taxa within the *Bactrocera dorsalis* species complex (Diptera: Tephritidae). *Bull. Entomol. Res.* 102: 103–111.
- Schutze, M. K., A. Jessup, I. Haq, M.J.B. Vreysen, V. Wornoyaporn, M.T. Vera, & A. R. Clarke. 2013. Mating compatibility among four pest members of the *Bactrocera dorsalis* fruit fly species complex (Diptera: Tephritidae). *J. Econ.Entomol.* 106: 695–707.
- Schutze, M.K., K. Mahmood, & A. Pavasovic. 2014. One and the same: integrative taxonomic evidence that the African Invasive Fruit Fly *Bactrocera invadens* (Diptera: Tephritidae), is the same species as the Oriental Fruit Fly *Bactrocera dorsalis*. *Systematic Entomology*. DOI: 10.1111/syen.12114.
- Schutze, M. K., N. Aketarawong, W. Amornsak, K. F. Armstrong, A. Augustinos, N. Barr, W. Bo, K. Bourtzis, L. M. Boykin, & C. Ca´ceres. 2015. Synonymization of key pest species within the *Bactrocera dorsalis* species complex (Diptera: Tephritidae): taxonomic changes based on 20 years of integrative morphological, genetic, behavioural, and chemoecological data. *Syst. Entomol.* 40: 456–471.
- Sentinella, A.T., A.J. Crean, & R. Bonduriansky. 2013. Dietary protein mediates a trade-off between larval survival and the development of male secondary sexual traits. *Func. Ecol.* 27 (5), 1134–1144.
- Siwi S.S., H. Purnama, and Suputa. 2006. Taksonomi dan Bioekologi Lalat Buah di Indonesia (Diptera:Tephritidae). Balai Besar Penelitian dan Pengembangan Bioteknologi dan Sumber Daya Genetik Pertanian. Departemen of Agriculture, Fisheries and Forestry Australia.
- Sriwattanarothai, N, D. Steinke, P. Ruenwongsa, R. Hanner, & B. Panijpan. 2010. Molecular and morphological evidence supports the species status of the

- Mahachai fighter Betta sp. Mahachai and reveals new species of Betta from Thailand. *J Fish Biol.* 77 (2): 414-424.
- Song, H., J.E. Buhay, M.F. Whiting, & K.A. Crandall. 2008. Many species in one: DNA barcoding overestimates the number of species when nuclear mitochondrial pseudo genes are coamplified. *Proc Natl Acad Sci USA* 105 (36): 13486-13491.
- Soto, I.M., E.M. Soto, C. Corio, V.P. Carreira, M. Manfrin, & E. Hasson. 2010. Malegenital and wing morphology in the cactophilic sibling species *Drosophilagouveai* and *Drosophila antonietae* and their hybrids reared in different hostplants. *Environ. Entomol.* 39: 865–873.
- Suzuki, Y. & J., Koyama, 1980. Temporal aspects of mating behaviour of the melon fly, *Dacus cucurbitae* Coquillett (Diptera: Tephritidae): A comparison laboratory and wild strains. *Applied Entomology and Zoology*, 15: 215-224.
- Tamura, K. 1992. Estimation of the number of nucleotide substitutions when there are strong transition-transversion and G + C-content biases. *Molecular Biology and Evolution.* 9:678-687.
- Tan, K.H., A.K. hee, S.K. Wee, I.U. Haq, C. Cacéres, J. Hendrichs, H. Ono, & R. Nishida. 2015. Rectal gland volatiles and phylogenetic relationships of pest sibling species within the *Bactrocera dorsalis* complex - Incipient species. Final FAO/IAEA research co-ordination meeting on "resolution of cryptic species complexes of tephritid pests to overcome constraints to sit application and international trade" Saint Pierre, La Réunion- FRANCE. 1 – 5 June 2015.
- Thiriet, P.D., A. Di Franco, A. Cheminée, P. Guidetti, O. Bianchimani, S. Basthard-Bogain, J.M. Cottalorda, H. Arceo, J. Moranta, P. Lejeune, & P. Francour. 2016. Abundance and diversity of crypto-and necto-benthic coastal fish are higher in marine forests than in structurally less complex macroalgal assemblages. *Plos One.* 11 (10): e164121.
- Vargas, S., A. Schuster, K. Sacher, G. Büttner, S. Schätzle, B. Lächli, K. Hall, J.N. Hooper, D. Erpenbeck, & G. Wörheide. 2012. *Barcoding* sponges: an overview based on comprehensive sampling. *PLoS One.* 7 (7): e39345.
- Virgilio, M., K. Jordaens, F.C. Breman, T. Backeljau, & M. De Meyer. 2012. Identifying insects with incomplete DNA Barcode libraries, African fruit flies (Diptera: Tephritidae) as a test case. *PLoS ONE* 7(2): e31581.
- Walter, G. H. 2003. Insect pest management and ecological research, Cambridge University Press, Cambridge, United Kingdom.
- Weigand, A.M., A. Jochum, M. Pfenninger, D. Steinke, & A. Klussmann-Kolb. 2011. A new approach to an old conundrum—DNA *barcoding* sheds new light on phenotypic plasticity and morphological stasis in microsnails (Gastropoda, Pulmonata, Carychiidae). *Mol Ecol Res.* 11 (2): 255-265.
- Whitworth, T.L, R.D. Dawson, H. Magalon, & E. Baudry. DNA barcoding cannot reliably identify species of the blowfly genus *Protocalliphora* (Diptera: Calliphoridae). *Proc R Soc B* 2007. 274:1731-1739.

- Wih-Kwasi. 2008. Assessment of Fruit Fly Damage and Implications for the Dissemination of Management Practices for Mango Production in the Upper West Region of Ghana. *Journal of Developments in Sustainable Agriculture*. 3: 117-134.
- Xia, Y., H.F. Gu, R. Peng, Q. Chen, Y.C. Zheng, R.W. Murphy, & X.M. Zeng. 2012. COI is better than 16S rRNA for DNA *barcoding* Asiatic salamanders (Amphibia: Caudata: Hynobiidae). *Mol Ecol Res*. 12 (1): 48-56.
- Zaelor. J., & S. Kitthawee. 2018. Geometric morphometric & molecular evidence suggest a new fruit fly species in *Bactrocera Zeugodacus tau* complex Diptera: Tephritidae. *Zoological Systematics*. 431: 27–36
- Zainal Abidin, D.H., S.A, Mustaffa, M.M. Rahim, D. Nair, M.D. Naim, & S.A. Mohd Nor. 2016. Population genetics of the black scar oyster, *Crassostrea iredalei*: repercussion of anthropogenic interference. *Mitochondrial DNA*. 27 (1): 647-658.
- Zelditch, M., D.I. Swiderski, H.D. sheets, & W.I. Fink. 2004. Geometric morphometrics for biologists: a primer. Elsevier, Amsterdam, Netherlands.