

DAFTAR PUSTAKA

- Allendorf F. W and G. H. Luikart. 2007. *Conservation and The Genetics of Populations*. Blackwell Publishing. USA.
- Allio R., S. Donega, N. Galtier, B. Nabholz. 2017. *Large variation in the ratio of mitochondrial to nuclear mutation rate across animals: implications for genetic diversity and the use of mitochondrial DNA as a molecular marker*. Behalf of the Society for Molecular Biology and Evolution. Oxford University Press.
- April J., R. H. Hanner, A. M. Dion-Cote, L. Bernatchez. 2013. Glacial Cycles as An Allopatric Speciation Pump In North-Eastern American Freshwater fishes. *Molecular Ecology*, 22: 409–422
- Ariani, D. Rahmawati, A. Illahi, D. H. Tjong, D. I. Roesma. 2018. Genetic Variation of “Sacred Fish” Population in Tourism Site of Sungai Janiah West Sumatra. *Scholars Academic Journal of Biosciences (SAJB)*. 6 (8): 8.
- Arora R. and J. M. Julka. 2013. Phenotype and Genotype Differentiation Between Two Stocks of *Tor putitora* (Hamilton) Population (Pisces: Cyprinidae) From Himachal Pradesh, India. *International Journal of Plant, Animal and Environmental Sciences* 3(3): 31-41.
- Ayyubi H., A. Budiharjo, Sugiyarto. Morphological characteristics of silver barb fish population *Barbonymus gonionotus* (Bleeker, 1849) from different waters locations in Central Java Province. *Jurnal Iktiologi Indonesia*. 19(1): 65-78. DOI: <https://doi.org/10.32491/jii.v19i1.378>
- Bleeker P. 1850. Bijdrage tot de kennis der visschen met doolhofvormige kieuwen van den Soenda-Molukschen Archipel. *Verhandelingen Batavia Genootschap* 23: 1-15.
- Bookstein F. L. 1982. Foundation of Morphometrics. *Ann. Rev. Ecol. Syst.* 13: 451-470.
- Britz R. 1995. Zur phylogenetischen Systematik der Anabantoidei (Teleostei, Percomorpha) unter besonderer Berücksichtigung der Stellung des Genus *Luciocephalus*. Morphologische und ethologische Untersuchungen. Dissertation, Eberhard-Karls-Universität Tübingen, Germany 125 pp.
- Broughton R. E., J. E. Milam & B. A. Roe. 2001. The Complete Sequence of the Zebrafish (*Danio rerio*) Mitochondrial Genome and Evolutionary Patterns in Vertebrate Mitochondrial DNA. *Genome*. 11: 1958-1967. doi:10.1101/gr.156801.

- Brown T. A. 2002. *Genoms*. 2nd edition. Wiley-Liss. Oxford.
- Cailliet G. M, M. S. Love and A.W. Ebeling. 1986. *Fishes. A Field and Laboratory Manual on Their Structure, Identification and Natural History*. Waveland Press, Inc.
- Chan K. G. 2015. Conservation of the critically endangered endemic Malaysian black fighting fish *Betta persephone* Schaller (Teleostei: Osphronemidae): a brief review. <https://doi.org/10.7287/peerj.preprints.1048v1>
- Danish M. and I. J. Singh. 2018. Assessment of Genetic Diversity of Two Populations of Catfish *Clarias Batrachus* L. using Random Amplified Polymorphic DNA (RAPD) Markers. *Journal of Pharmacognosy and Phytochemistry*. 7(3): 2345-2352.
- De Silva S. S, B. Ingram, S. Sungan, D. Tinggi, G. Gooley and S. Y. Sim. 2004. Artificial propagation of the indigenous Tor species, empurau (*T. tambroides*) and semah (*T. douronensis*), Sarawak, East Malaysia. *Aquaculture Asia* IX (4).
- Degani F. 2013. Mitochondrial DNA sequence analysis in Anabantoidei fish. *Advances in Biological Chemistry* 3: 347-355.
- Diouf J. 2007. *The State of the World's Animal Genetic Resources for Food and Agriculture*. Rome. Italy.
- Dugas M.B., N. R. Franssen, M. O. Bastille and R. A. Martin. 2015. Morphological correlates of river velocity and reproductive development in an ornamented stream fish. *Evolutionary Ecology*. 30(1): 21–33. DOI 10.1007/s10682-015-9790-7.
- Dunham R. A. 2004. *Aquaculture and Fisheries Biotechnology. Genetic Approach*. CABI Publishing. New York.
- Fahmi M. R. 2015. Konservasi Genetik Ikan Sidat Tropis (*Anguilla* Spp) di Perairan Indonesia. *J. Lit. Perikan. Ind.* (21) 1: 45-54
- Fahmi M. R., E. Kusriani, E. P. Hayuningtiyas, S. S. Sari and R. Gustiano. 2020. DNA Barcoding using COI Gene Sequences of Wild *Betta* fighting Fish from Indonesia: Phylogeny, Status and Diversity. *Indonesian Fisheries Research Journal*. 26(2): 83-96. DOI: <http://dx.doi.org/10.15578/ifrj>.
- Seriouslyfish. 2021. <https://www.seriouslyfish.com/species/betta-pugnax/search>. 25 Maret 2021.
- Frankham R. J. D, Ballou and D. A. Briscoe. 2002. *Introduction to Conservation Genetics*. Cambridge University Press. UK.

- Froese and D. Pauly. 2014. List of Freshwater Fish in Indonesia. 24 hlm. <http://www.fishbase.org/Country/>. 10 Agustus 2019.
- Garg, R.K. P. Saikar, N. Silawat and N. N Mehtorta. 2009. Genetic Polymorphism of Two Populations of Catfish *Aorichys Seenghala* (Skyees) Using RAPD Fingerprint. *Int. J. Int. Zool.* 3:130-134.
- Hajibabaei M, G. A. C. Singer, P. D. N. Hebert and D. A. Hickey. 2007. DNA Barcoding: How It Complements Taxonomy, Molecular Phylogenetics and Population Genetics. *Science Direct* 23(4):167-172.
- Hall R. & C. K. Morley. 2004. *Sundaland Basins*. American Geophysical Union.
- Hall T. A. 1999. BioEdit: A User-Friendly Biological Sequence Alignment Aditor and Analysis Program for Windows 95/98/NT. *Nucleic Acid Symposium Series* 41: 95-98.
- Hayuningtyas E. P. and T. Kadarini . 2016. Keragaman Genotipe Tiga Generasi Ikan Rainbow Kurumoi (*Melanotaenia Parva*) Hasil Domestikasi Berdasarkan RAPD. *Jurnal Riset Akuakultur*. 11 (2): 107-114.
- Hebert P. D. N, A. Cywinska, S. L. Ball and J. R. De Waard. 2003. Biological Identifications through DNA Barcodes. *Proc. R. Soc. Lond. B.* 313-321.
- Hebert P. D. N. and T. R. Gregory. 2005. The Promise of DNA Barcoding for Taxonomy. *Systematic Biology*. 54(5):852–859.
- Hubbs C. L. and K. F. Lagler. 1958. *Fishes of the Great Lakes region*. Univ. Michigan Press. Ann, Arbor, Michigan. 213 p.
- Hubert N, R. H. Hanner, E. Holm, N. E. Mandrak, E. B. Taylor, M. Burrige, *et al.* 2008. Identifying Canadian freshwater fishes through DNA barcodes. *PLoS One*. 3: e2490.
- Hubert N, Kadarusman, A. Wibowo, F. Busson, D. Caruso, S. Sulandari, *et al.* 2015. DNA Barcoding Indonesian freshwater fishes: challenges and prospects. *DNA Barcodes*. 3: 144–169.
- IUCN. 2019. Betta. <https://www.iucnredlist.org/search> . 16 Agustus 2019
- Ivanova N. V, T. S. Zemplak, R. H. Hanner and P. D. N. Hebert. 2007. Universal primer cocktails for fish DNA barcoding. *Molecular Ecology Notes* 7, 544–548. doi: 10.1111/j.1471-8286.2007. 01748. X.
- Jackson, D. A., P. R. Peres-Neto, & J. D Olden. 2001. What controls who is where in freshwater fish communities - the roles of biotic, abiotic, and spatial factors. *Canadian Journal of Fisheries and Aquatic Sciences*. 58: 157–170.

- Jorde L. B. 1995. Linkage disequilibrium as a gene mapping tool. *Am. J. Hum. Genet* 56: 11–14.
- Kartavtsev Y. P. H and J. S. Lee. 2006. Analysis of nucleotide diversity at genes Cyt-b and Co-1 on population, species, and genera levels. Applicability of DNA and allozyme data in the genetics of speciation. *Genetika* 42: 437–461.
- Kartavtsev Y. P. H., N. M. Batischeva, N. G. Bogutskaya, A. O. Katugina, N. Hanzawa. 2016. Molecular systematics and DNA barcoding of Altai osmans, oreoleuciscus (pisces, Cyprinidae, and Leuciscinae), and their nearest relatives, inferred from sequences of cytochrome b (Cyt-b), cytochrome oxidase c (Co-1), and complete mitochondrial genome. *Mitochondrial DNA Part A*. 28: 502-517.
- Kartavtsev, Y. P. H. 2011. Divergence at Cyt-b and Co-1 mtDNA Genes on Different Taxonomic Levels and Genetics of Speciation in Animals. *Mitochondrial DNA*. 22(3):55-65.
- Keller L. F. and D. M. Waller. 2002. Inbreeding Effects In Wild Populations. *Trends in Ecology & Evolution*. 17 (5).
- Khan M. F, M. N. Khan, Khattak, D. He, A. Rehman, Y. Chen. 2017. Mitochondrial Genom Sequence and Gene Organization of Kunar Snow Trout (*Schizothorax labiatus*) with Phylogenetic Consideration. *Gene Reports* 7: 64-73.
- Khan M. A., K. Miyan and Khan. 2012. Morphometric variation of snakehead fish, *Channa punctatus*, populations from three Indian rivers. *J. Appl. Ichthyol*: 1–6. 10.1111/j.1439-0426.2012. 02058. X.
- Kochzius M, C. Seidel, A. Antoniou, S. K. Botla, D. Campo, A. Cariani, E. G. Vazquez, *et al.* 2010. Identifying fishes through DNA barcodes and microarrays. *PLoS One* 5: e12620.
- Kottelat M., A. J. Whitten, S. N. Kartikasari and S. Wirjoatmodjo. 1993. *Freshwater fishes of Western Indonesia and Sulawesi*. Periplus Editions, Hong Kong, 259 pp., 84 pls.
- Kottelat M. and P. K. L. Ng. 1994. Diagnoses of five new species of fighting fishes from Banka and Borneo (Teleostei: Belontiidae). *Ichthyological Exploration of Freshwaters* 5: 6578.
- Kowasupat C., B. Panijpan, P. Laosinchai, P. Ruenwongsa, A. Phongdara, A. Wanna, S. Senapin and K. Phiwsaiya. 2014. Biodiversity of the *Betta smaragdina* (Teleostei: Perciformes) in the northeast region of Thailand as determined by mitochondrial COI and nuclear ITS1 gene sequences. *Meta Gene* 2: 83–95.

- Kowasupat C, B. Panijpan, P. Ruenwongsa and T. Jeenthong. 2012. *Betta siamorientalis*, a new species of bubble-nest building fighting fish (Teleostei: Osphronemidae) from eastern Thailand. *Vertebrate Zoology* 62: 387–397.
- Kumar N. S. and G. Gurusubramanian. 2011. Random Amplified Polymorphic DNA (RAPD) Markers and Its Applications. *Sci. Vis.* 11(3):116-124.
- Kumar S., G. Stecher and K. Tamura. 2016. MEGA7: Molecular Evolutionary Genetics Analysis version 7.0 for Bigger Datasets. *Oxford University Press on behalf of the Society for Molecular Biology and Evolution* : 1-11.
- Kumar, N.S., and G. Gurusubramanian. 2011. Random Amplified Polymorphic DNA (RAPD) Markers and Its Applications. *Sci Vis.* 11(3). Pp. 116-124.
- Kumari N. dan S. K. Thakur. 2014. Randomly Amplified Polymorphic DNA-A Brief Review. *American Journal of Animal and Veterinary Sciences.* 9(1): 6-13.
- Kvist L. 2000. Phylogeni and Phylogeography of European Parids. Disertation. Department of Biologi. OULU University. Finland.
- Lebonah D. E., A. Dileep, K. Chanrasekhar, S. Sreevani, B. Sreedevi, and J. P. Kumari. 2014. DNA Barcoding on Bacteria: A Review. *Hindawi Publishing Corporation: Advances in Biology.* <http://dx.doi.org/10.1155/2014/541787>.
- Lightowers R. N., P. F. Chinnery, D. M. Turnbull & N. Howell. 1997. Mammalian Mitochondrial Genetics: Heredity, Heteroplasmy and Disease. *Trends in Genetics.* 13 (11): 450-455. [https://doi.org/10.1016/S0168-9525\(97\)01266-3](https://doi.org/10.1016/S0168-9525(97)01266-3).
- Luo, G. H., X. H. Li, Z. J. Han, Z. C. Zhang, Q. Yang, H. F. Guo, & J. C. Fang. 2016. Transition and Transversion Mutations Are Biased Towards GC in Transposons of *Chilo suppressalis* (Lepidoptera: Pyralidae). *Genes.* 72:1-12.
- Megbowon I. 2019. Genetic Evaluation of Some Tilapiine Fishes using Varying RAPD Markers. *International Journal of Fisheries and Aquatic Studies.* 7(4): 275-279.
- Miah, M. F., P. Guswami, R. Al Rafi, A. Ali, S.M. Islam, M. A. Quddus, M.K. Ahmed. 2013. Assessment of Genetic Variability among Individuals of Freshwater Mud Eel, *Monopterus albus* in a Population of Bangladesh. *American International Journal of Research in Science, Technology, Engineering & Mathematics.* 13-264
- Mulyana B. 2005. Tektonostratigrafi Cekungan Ombilin Sumatera Barat. *Bulletin of Scientific Contribution.* 3 (2): 92-102.
- Myers, G. S. 1949. Salt-tolerance of fresh-water fish groups in relation to zoogeographical problems. *Bijdragen tot de Dierkunde.* 28: 315–322.

- Naeem M., S. Masud, Z. Naeem, A. D. Naeem, M. Khalid and S. Hassan. 2020. Evaluation of Population Structure and Genetic Diversity of *Cirrhinus mrigala* among the Different Freshwater Rivers of Pakistan Using Molecular Marker: Study Implications and Its Importance in Aquaculture. *Annual Research & Review in Biology*. 35(7): 1-9.
- Nagarajaan, M, M.A. Haniffa, A. Gopalkrishnan, V.S. Bahseer, P.M.A. Munner. 2006. Genetic Variability of *Channa punctatus* Population Using Randomly Amplified Polymorphic DNA. *Aquaculture Res*. 37. 1151-1155.
- Neff B. D., S. R. Garner and T. E. Pitcher. 2011. Conservation and enhancement of wild fish populations: Preserving genetic quality versus genetic diversity. *Canadian Journal of Fisheries and Aquatic Sciences* 68: 1139-1154.
- Nei M and S. Kumar. 2000. *Molecular Evolution and Phylogenetics*. Oxford University Press. New York
- Nevo E. 2001. Evolution of Genome-Phenome Diversity under Environmental Stress. *Proceedings of the National Academy of Sciences of the United States of America*. 98 (11): 6233–6240. [doi:10.1073/pnas.101109298](https://doi.org/10.1073/pnas.101109298).
- Ngadenini. 2013. Geologi dan Potensi Terbentuknya Mineralisasi Uranium di Daerah Harau, Sumatera Barat. *Eksplorium*. 34 (2): 111–120. ISSN 0854-1418
- Nugroho E., Azrita, H. Syandri, R. S. P. S. Dewi . 2019. DNA barcoding of giant gourami (*Osphronemus goramy*) from West Sumatra, Indonesia. *AAFL Bioflux*. 12(4).
- Obuya, J. O., A. Ananga, & G. D. Franc. 2015. Silent Mutation: Characterization of its Potential as a Mechanism for Sterol 14 α -Demethylase Resistance in *Cercospora beticola* Field Isolates from the United States. *J Plant Pathol Microb*. 6: 1-8.
- Panijpan B, N. Sriwattarithai, P. Kowapasut, Jeanthong, A. Pumchoosri. 2007. Biodiversity of Bubble-Nest Building and Mouth-Brooding Fighting Fish Species of the Genus *Betta* in Southeast Asia. *The Raffles Bulletin of Zoology* 11(1): 1-21.
- Panijpan, B., C. Kowasupat, P. Laosinchai, P. Ruenwongsa, Phongdara, S. A. Senapin, W. Wanna, K. Phiwsaiya, J. Kuhne & F. Fasquel. 2014. Southeast Asian mouth-brooding *Betta* fighting fish (Teleostei: Perciformes) species and their phylogenetic relationships based on mitochondrial COI and nuclear ITS1 DNA sequences and analyses. *Meta Gene*2: 862 –879.

- Parenti, L. R. 1991. Ocean basins and the biogeography of freshwater fish. *Australian Systematic Botany*. 4: 137–194.
- Patwardhan A, S. Ray and A. Roy. 2014. Molecular Markers in Phylogenetic Studies- A Review. *Phylogen Evolution Biol*. Vol.2(2): 1-9.
- Pierron D., D. E Wildman, M. Huttemann, G. C Markondapatnaikuni, S. Aras and L. I. Grossman. 2012. Cytochrome c oxidase: Evolution of Control via Nuclear Subunit Addition. *Biochim Biophys Acta*. 4:590–597.
- Ponjarat J, P. Areesirisuk, O. Prakhongcheep, S. Dokkaew, S. Sillapaprayoon, N. Muangmai, S. Peyachoknagul, K. Srikulnath. 2019. Complete mitochondrial genome of two mouthbrooding fighting fishes, *Betta apollon* and *B. simplex* (Teleostei: Osphronemidae). *Mitochondrial DNA Part B*. 4: 672-674. DOI:10.1080/23802359.2019.1572463.
- Prakhongcheep O, S. Narongrit, P. Surin, S. Kornorn. 2018. Complete mitochondrial genome of mouthbrooding fighting fish (*Betta pi*) compared with bubble nesting fighting fish (*B. splendens*). *Mitochondrial DNA Part B3*. 3: 6-8. DOI: 10.1080/23802359.2017.1413294.
- Putri U. K, R. Simanjuntak, T. A. Febriamansyah, D. I. Roesma, D. H. Tjong. 2021. The role of molecular taxonomy in uncovering local ornamental Palo Fish (*Betta* sp.: Osphronemidae) and other *Betta* based on Cytochrome b gene. *World Journal of Advanced Research and Reviews*. 10(01): 030–040
- Rahmawati D. 2018. Aplikasi Dna Barcoding Dalam Identifikasi Ikan Buntal (Famili Tetraodontidae) Danau Singkarak. Skripsi. Universitas Andalas. Padang.
- Reed D. H, and R. Frankham. 2003. Correlation Between Fitness and Genetic Diversity. *Conservation Biology* 17(1): 230-237.
- Roesma D. I, D. H. Tjong, W. Munir, D. R. Aidil. 2018. New record species of *Puntius* (Pisces: Cyprinidae) from West Sumatra based on Cytochrome Oxidase I gene. *International Journal on Advanced Science Engineering Information Technol* 8(1): 250-256.
- Roesma D. I, D. H. Tjong, W. Karlina, D. R. Aidil. 2019. Taxonomy confirmation of *Puntius* cf. *binotatus* from Gunung Tujuh Lake based on Cytochrome Oxidase-I (COI) gene. *Biodiversitas* 20: 54-60.
- Roesma D. I., D. H. Tjong, D. R. Aidil. 2020. Phylogenetic analysis of transparent gobies in three Sumatran lakes, inferred from mitochondrial Cytochrome Oxidase I (COI) gene. *Biodiversitas*. 21(1): 43-48. DOI: 10.13057/biodiv/d210107.

- Rozas J, S. J .C. Del Barrio, Messeguer and X. R. Rozas. 2003. DnaSP, DNA Polymorphism Analyses by the Coalescent and Other Methods. *Bioinformatics* 19: 2496-2497.
- Ruber L, R. Britz, H. H. Tan, P. K. L. Ng, R. Zardoya. 2004. Evolution of mouthbrooding and life-history correlates in the fighting fish genus *Betta*. *Evolution* 58: 799–813. <http://dx.doi.org/10.1111/j.0014-3820.2004.tb00413.x>.
- Ruzafa, A. P., M. G. Wanguemert, P. Lenfant, C. Marcos, and J. A. G. Charton. 2006. Effects of Fishing Protection on the Genetic Structure of Fish Populations. *Biological Conservation*. 129: 244-255
- Sathiamurthy E. & H. K. Voris. 2006. Maps of Holocene Sea Level Transgression and Submerged Lakes on the Sunda Shelf. *The Natural History Journal of Chulalongkorn University*. 2: 1-43.
- Satoh K. P, M. Miya, K. Mabuchi & M. Nishida. 2016. Structure and Variation of t Mitochondrial Genome of Fishes. *BMC Genomics* 17:1-20.
- Schindler I. & H. Linke. 2013. *Betta hendra* a new species of fighting fish (Teleostei: Osphronemidae) from Kalimantan Tengah (Borneo, Indonesia). *Vertebrate Zoology* 63: 35–40.
- Schindler I. & J Schmidt. 2006. Review of the mouthbrooding *Betta* (Teleostei, Osphronemidae) from Thailand, with descriptions of two new species. *Zeitschrift für Fischkunde* 8(1/2): 47–69.
- Setiawan T. 2012. Permukiman Gua di Sub-Cekungan Payakumbuh. *Balai Arkeologi Medan*. 15 (2): 224-242.
- Shelley J. J., E. S. Stephen, A. Mark, C. L. F. Matthew, P. H. Michael, J. U. Peter. 2020. Plio-Pleistocene sea-level changes drive speciation of freshwater fishes in north-western Australia. *Journal of Biogeography*, :1–12. DOI: 10.1111/jbi.13856.
- Shikano T. & N. Taniguchi. 2002. Using Microsatellite and RAPD Markers to Estimate the Amount of Heterosis in Various Strain Combinations in the Guppy *Poecilia reticulata* as a Fish Model. *Aquaculture* 204: 271-281.
- Smith, D. B. & P. Simmonds. 1997. Characteristics of Nucleotide Substitution in the Hepatitis C Virus Genome: Constraints on sequence change in coding regions at both ends of the genome. *J. Mol. Evol.* 45:238–246.
- Sprent P. 1998. *Applied Non Parametric Statistical Methods*. Chapman and Hall. New York.
- 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. *Journal of Fish Biology* 77: 414–424.
- Steinke D, T. S. Zemplak & P. D. N. Hebert. 2009. Barcoding Nemo: DNA-Based Identifications for the Ornamental Fish Trade. *PLoS ONE* 4(7): e6300. <https://doi.org/10.1371/journal.pone.0006300>
- Tan H. H. 2013. The identity of *Betta rubra* (Teleostei: Osphronemidae) revisited, with description of a new species from Sumatra, Indonesia. *Raffles Bulletin of Zoology* 61: 323–330.
- Tan H. H. & P. K. L. Ng. 2005. The fighting fishes (Teleostei: Osphronemidae: genus *Betta*) of Singapore, Malaysia and Brunei. *Raffles Bulletin of Zoology* 13: 43–99.
- Templeton A. R. 2005. Haplotype Trees and Modern Human Origins. *Yearbook Of Physical Anthropology*. 48: 33-59.
- Timon-Gomez A., E. Nyvltova, L. A. Abriata, A. J. Vila, J. Hosler, A. Barrientos. 2018. Mitochondrial cytochrome c oxidase biogenesis: Recent developments. *Seminars in Cell & Developmental Biology*, 76: 163–178. <https://doi.org/10.1016/j.semcdb.2017.08.055>
- Turan C. 1998. A Note on The Examination of Morphometric Differentiation Among Fish Populations: The Truss System. *Journal of The University of Mustafa Kemal*, Faculty of Fisheries. Hatay Turkey.
- Vandewoestijne S., N.Schtickzelle and M. Baguette. 2008. Positive Correlation Between Genetic Diversity and Fitness in A Large, Well-connected Metapopulation. *Biomed Central*. 6(46).
- Voris H. K. 2000. Maps of pleistocene sea levels in southeast asia: Shorelines, river systems and time durations. *J. Biogeography*. 27: 1153-1167
- Ward R. D, T. S Zemplak, B. H Innes, P. R. Last & P. D. N. Hebert. 2005. DNA Barcoding Australia's Fish Species. *Phil. Trans. R. Soc. B*. 360:1847–1857.
- Ward R. D. 2012. FISH-BOL, a case study for DNA barcodes. DNA barcodes. Berlin (Germany): *Springer*. 423–439.
- Weiß M. & M. Goker. 2011. Molecular Phylogenetic Reconstruction. *The Yeasts, a Taxonomic Study*. 11.
- Whitmore T. C. 1986. Tropical Rain Forests of the Far East. English Language Book Society. Oxford University Press, 2nd. ed., i-xvi, 352 pp.

Williams J. G. K, A. R Kubelik, K. J Livak, J. A. Rafalski and S.V. Tingey. 1990. DNA Polymorphisms Amplified by Arbitrary Primers are Useful as Genetic Markers. *Nucl. Acids Res.* 18: 22.

Yeh F. C, T. Boyle, R. Y Cai, Z. Ye & J. Mao. 1999. POPGENE 1.3.1. *The User Friendly Shareware for Populations Genetics Analysis Molecular biology and Biotechnology Centre.* University of Alberto. Canada.

