Agano J. Makori, Paul O. Abuom, Raphael Kapiyo, Douglas N. Anyona & Gabriel O. Dida. 2017. Effects of water physico-chemical parameters on tilapia (*Oreochromis niloticus*) growth in earthen ponds in Teso North Sub-County, Busia County. Fisheries and Aquatic Sciencesvolume 20, Article number: 30.

Akamine, T. 1993. A new standard formula for seasonal growth of fish in population dynamics. Nippon Suisan Gakkaishi. 59: 1857-1863.

Al-Hussaini, A. H. 1949. On the functional morphology of the alimentary tract of some fish in relation to differences in their feeding habits: anatomy and histology. Quart. J. Micr. Sci., 90(2): 109-139.

Allam, S. M., Faltas, S. N. and Ragheb, E. 2004. Age and growth of barracudas in the Egyptian Mediterranean waters. Egypt. J. Aquat. Res. 30(2): 281-289.

Arnold, S. J. 1983. Morphology, performance, and fitness. American Zoologist 23: 347–361.

Arnold, S. J. 2003. Performance surfaces and adaptive landscapes. Integrative & Comparative Biology. 43: 367–375.

Awasthi, M., Kashyap, A. & Serajuddin, M. 2015. Length weight relationship and condition factor of five subpopulations of *Trichogaster lalius* (Osphronemidae) of central and eastern regions of India J. Ichthyol. 55: 849.

Axelrod, H. R., Burgess, W. E., Pronek, N. and Walls, J. G. 1993. Dr. Axelrods Atlas of Freshwater Aquarium Fishes, 7th ed. Neptune City, NJ: TFH Publications. 978.

Aziz, M., Ambily, V. and Nandan, S. B. 2013. Age and growth of Gerres filamentosus (Cuvier, 1829), from Kodungallur, Azhikode Estuary, Kerala. Afr. J. Agric. Res. 8(29): 4007-4014.

Baensch, H. A. and Riehl, R. and Aquarien atlas. 1991. Bd. 3. Melle: Mergus, Verlag für Natur-und Heimtierkunde, Germany. 1104.

Bagenal, T. B., Tesch, F. W. 1978. Age and growth. In: Bagenal, T. (Ed.), Methods of assesment of fish production in fresh waters. Oxford Blackwell Scientific Publication. 101-136.

Banerjee, T., Mahapatra, B. K and Patra B. C. 2016. Length weight relationship and condition factor of captive raised moustached Danio, *Danio dangila*(Hamilton,1822). International Journal of Fisheries and Aquatic Studies; 4(5):359-361.

Baron, M., Davies, S., Alexander, L., Snellgrove, D. and Sloman, K. A. 2008. The effect of dietary pigments on the coloration and behaviour of flame-red dwarf gourami, *Colisa lalia*. Anim Behav 75(3): 1041-1051.

BedFISH. http://en.bdfish.org/2011/06/frailgouramictenopsnobilismcclelland1845/. downloaded on 5th February, 2015.

Begum, M., Alam, M. J., Islam, M. A. and Pal, H. K. 2008. On the food and feeding habit of an estuarine catfish *Mystus gulio* (Hamilton) in the south-west coast of Bangladesh. University Journal of Zoology, Rajshahi University, 27: 91-94.

Behra, S., Khan, M. I., Das, S. K. and Nagesh, T. S. 2005. On the fecundity of stripped gourami, *Colisa fasciata* (Bloch and Schneider). Journal of the Inland Fisheries Society of India. 37(1): 68-70.

Bhaskar, P., Pyne, S. K. and Ray, A. K. 2015. Growth performance study of Koi fish, *Anabas testudineus* (Bloch) by utilization of poultry viscera, as a potential fish feed ingredient, replacing fishmeal. Int J Recycl Org Waste Agricult. 4:31–37.

Bhattacharya, P., Banik, S. 2012. Length weight relationship and condition factor of the pabo fish *Ompok pabo* (Hamilton, 1822) from Tripura, India: Ind. J Fish 59 : 141—146.

Bhattacharya, S. and B. K. Mahapatra 2018. Explicit Illustration on Morphology and Habitat Preference of Channa stewartii (Playfair, 1867). In: Sustainable Management of Aquatic Resources, Pages 55-62. Edited by : B.K. Mahapatra, A.K. Roy and Nemai Chandra Pramanik. Published by Narendra Publishing House, Delhi, India

BIOBLIOGRAPHY

Björnsson, B., Steinarsson, A. and Arnason, T. 2007. Growth model for Atlantic cod (*Gadus morhua*): Effects of temperature and body weight on growth rate. Aquaculture, 271: 216-226.

Britz, R, Kokoscha M and Riehl, R., 1995. The anabantoid genera Ctenops, Luciocephalus, Parasphaerichthys and Sphaerichthys as a monophyletic group: evidence from egg surface structure and reproductive behaviour. JPN J Ichthyol; 42: 71-79.

Britz, R. 1994. Ontogenetic feature of Luciocephalus (Perciformes, Anabantoidei) with a revised hypothesis of anabantoid interrelationship. Zoo. J Linnean Soc.; 112: 491-508. doi:10.1111/j.1096-3642.1994.tb00333.

Britz, R. and M. Kottelat, 2002. *Parasphaerichthys lineatus*, a new species of labyrinth fish from southern Myanmar (Teleostei: Osphronemidae). Ichthyological Exploration of Freshwaters 13(3):243-250.

Bustos, R., Luque, A. and Pajuelo, J. G. 2009. Age estimation and growth pattern of the island grouper, *Mycteroperca fusca* (Serranidae) in an island population on the northwest coast of Africa. Sci. Mar. 73: 319-328.

Campana S. E. and Thorrold, S. R. 2001. Otholiths, increments and elements: keys to a comprehensive understanding of fish populations? Can. J. Fish. Aquat. Sci. 58: 30-38.

Chakraborty, R, Das, S. K. and Bhakta, D. 2016. Food and feeding habits of *Channa punctatus* (Bloch, 1973) from water bodies of Nadia district West Bengal J Inland Fish Soc India 48(2):88-92

Chanda, M, Paul, M, Maity, J, Dash, G and Sen Gupta, S. 2011. The use of antibiotics and disinfectants in ornamental fish farms of West Bengal, India. J Nat Sci Biol Med. 2(2): 139–140.

Chuctaya, J., Capitani, L., Faustino, D. and Castro., E. 2017. Length–Weight relationships of 23 fish species from floodplain ecosystems of the Andean Amazon piedmont, Peru. https://doi.org/10.1111/jai.13519.

Cuvier G. L. and Valenciennes A. 1831. Histoire naturelle des poissons. (In French language) Levrault, Paris. ; 7.

Das, S. K. and Kalita, N. 2006. Seed production technology of ornamental gouramis *Colisa fasciata* and *C. Lalia* under captive conditions - an experience in Assam, India. Aquaculture Asia Magazine. 11(4): 13-14 & 32.

Datta, N. C., Chaudhuri (nee Guha), S. and Devnath, M. 1993. Gill rakers of some teleosts under light and scanning electron microscope. J. Anim. Morphol. Physiol., 40(1 & 2): 137-144.

Degani, G. 1991. Effect of diet, population density and temperature on growth of larvae and juveniles of *Trichogaster trichopterus* (Bloch and Schneider, 1801). J. Aqua. Trop. 6: 135-141.

Degani, G. and Schreibman, M. P. 1993. Pheromone of male blue gourami and its effect on vitellogenesis, steroidogenesis and gonadotropin cells in pituitary of the female. J. Fish Biol. 43: 475-485.

Dev, B. C. 1994. Food selection and electivity indices of the Thai barb *Puntius* (Barbodes) *gonionotus*in extensively managed, rain- fed ponds in Bangladesh. M.Sc. thesis,Department of Aquaculture and Management,Bangladesh Agricultural University Mymensingh, 110.

Devaraj, M. 1973. Biology of the large snakehead *Ophiocephalus marulius* (Ham) in Bhavanisagar waters. Indian J fish. 20(2):280-307.

Dey, A., Das, S. K. and Bhakta, D. 2016. A comparative study on biological parameters of juvenile and adults of Anabas testudineus (Bloch, 1792) in wetlands of selected districts of West Bengal Ind J Vet & Anim Sci Res 45(5):793-798.

Dey, S., Ramanujam, S. N. and Mahapatra, B. K. 2014. Breeding and development of ornamental hill stream fish *Devario aequipinnatus* (McClelland) in captivity. International Journal of Fisheries and Aquatic Studies. 1(4): 01-07.

Dey, V. K. 2016. The Global trade in Ornamental fish. INFOFISH International. 4: 52-55.

Encyclopaedia Britannica in 1998. Labyrinth fish Jul 20, 1998.

Felipe A. S. Ribeiro, Leonardo A. V., Fernandes, J. B. K. and Nilva K. 2012. Sakomura. Feeding level and frequency for freshwater angelfish. Revista Brasileira de Zootecnia 41 (6), 1550-1554.

Fisher, R. A. 1922. "The goodness of fit of regression formulae, and the distribution of regression coefficients". Journal of the Royal Statistical Society. 85 (4): 597–612.doi:10.2307/2341124. JSTOR 2341124.PMC 1084801.

Forselius, S. 1957. Studies of anabantid fishes. Parts I, II, III. Zoologiska Bidrag Fran Uppsala, 32: 593-597.

Francis Galton. 1885. Presidential address, Section H, Anthropology. (Galton uses the term "regression" in this paper, which discusses the height of humans.)

Francis, R. I. C. C. 1990. Back-calculation of fish length: a critical review. J. Fish Bio. 36(6). doi: https://doi.org/10.1111/j.1095-8649.1990.tb05636.x.

Froese, R., and Daniel P. 2014. "Osphronemidae" in FishBase. February 2014 version.

Froese, Rainer and Pauly, Daniel, eds. 2014. "*Trichogaster lalius*" in FishBase. February 2014 version.

G. V. Lauder, K. F. Liem, 1983. The evolution and interrelationships of the actinopterygian fishes. Bull. Mus. Comp. Zool. 150, 95.

Gupta, S. 2015. A note on feeding and reproductive biology of banded gourami, Trichogaster fasciata (Bloch & Schneider, 1801). International Journal of Research in Fisheries and Aquaculture; 5(4): 147-150.

Harris, P. J., Wyanski, D. M., Mikell, P. P. and Eyo, P. B. 2007. Age, growth and reproduction of greater amberjack off the southeastern U.S. Atlantic coast. Transactions of the American Fisheries Society. 136: 1534-1545.

Hojatollah J., Javad S. and Javad B. D. 2014. Growth and Length-Weight Relationship of *Trichopodus trichopterus* (Pallas, 1770) fed a supplemented diet with different concentrations of probiotic. Croatian Journal of Fisheries: Ribarstvo 72 (3), 118-122, 2014

Hossain, M. Y., Ahmed, Z. F., Leunda, P. M., Islam, A. K. M. R., Jasmine, S., Oscoz, J., Miranda, R. and Ohtomi, J. 2006. Length-weight and length-length relationships of some small indigenous fish species from the Mathabhanga River, southwestern Bangladesh. J Applied Ichthyol 25:301—303.

Hossain, M. Y., Hossen, M. A., Pramanik, M. N. U., Ahmed, Z. F., Yahya, K., Rahman, M. M. and Ohtomi, J. 2015. Threatened fishes of the world: *Anabas testudineus* (bloch, 1792): (Perciformes: Anabantidae). Croatian J. of Fisheries. 73: 128-131.

Irschick, D. J. 2003. Measuring performance in nature: implications for studies of fitness within populations. Integrative and Comparative Biology 43: 396–407.

Islam, M. A., Siddik, M. A. B., Hanif, M. A., Chaklader, M. R. A. And Nahar I. Ilham. 2017. Length–weight relationships of four small indigenous fish species from an inland artisanal fishery, Bangladesh. Journal of Applied Ichthyology. 33(4).

Islam, M. S., Rikta, S. and Ghosh, S. 2017. Captive breeding of Banded Gourami, *Colisa fasciata* (Bloch and Schneider, 1801); considering the various hormonal responses. Int. J. Pure and Applied Zoology. 5(4): 109-114.

IUCN Bangladesh (2000) Red book of threatened fishes of Bangladesh, IUCN The world conservation union. pp. 12-116.

Jackson, J. R., 2007. Earliest references to age determination of fishes and their early application to the study of fisheries. Fisheries (Bethesda), 32(7): 321-328.

Jafaryan, H., Sahandi, J., Dorbadam, J. B. 2014. Growth and length-weight relationships of Trichopodus trichopterus (Pallas, 1770) fed a supplemented diet with different concentrations of probiotic. Croatian Journal of Fisheries, 2014, 72, 118– 122.

Jayaram, K. C.1999. The Freshwater Fishes of the Indian Region, Narendra Publishing House, Delhi. p. 551 + pls. 154 XVIII.

Johal, M. S., Kingra, J. S. and Chahal, J. S. 1989. Age growth and length weight relationship of *Colisa fasciata* Perciformes, Belontidae, Trichogasterinae. Vestnik Ceskoslovenske Spolecnosti Zoologicke 53(4): 241-248 .

Jones R. E., Petrell R. J. and Pauly D., 1999. Using modified length-weight relationship to assess the condition of fish, Aquaculture Engineering, 20, 261-276.

Kamboj, N. and Kamboj, V. 2019. Morphometric and meristic study of four freshwater fish species of river Ganga. The Indian journal of animal sciences 89(4):470-473.

Karl Pearson. 1895. "Notes on regression and inheritance in the case of two parents," Proceedings of the Royal Society of London, 58 : 240–242.

Keivany, Y. 2016. Length-weight and length-length relationships for four fish species from Talkhehrud River, Urmia Lake basin, Iran. Journal of Applied Ichthyology. 32: (6). DOI: 10.1111/jai.13187.

Khan, S. and Khan, M. A. 2014. Importance of Age and growth studies in Fisheries management. Reviewed proceedings of National Seminar on NGSV (2014). ISBN: 978-81-920945-4-0. Pp. 194-201.

Khongngain O, Das S. K., Bhakta, D. 2016. Studies of biological parameters of *Trichogaster fasciata* (Bloch and Schneider, 1801) from a lentic water body Shanti Jheel West Bengal J Indian Fish Assoc 43(2):01-06

King, M. 2007. Fisheries biology, assessment and management. 2nd edn. Blackwell Sci Publ, Oxford.

Lawson E. O., 2011. Length-weight relationships and fecundity estimates in mud-skipper, *Periopthalmus papilio* (Bloch and Schneider, 1801) caught form the mangrove swamps of Lagos Lagoon, Nigeria, Journal of Fisheries and Aquatic Science, 6, 264-271.

Le Cren, E. D. 1947. The determination of the age and growth of the perch (*Perca fluviatilis*) from the opercular bone. J. Anim. Ecol., 16:188-204.

Le Cren, E. D. 1951. Length-weight relationship and seasonal cycle in gonadal weight and condition in the perch (*Perca fluviatilis*). J Anim Ecol. 20:201-219.

Lian C. Lim, Dhert, P., Sorgeloos, P. 2003. Recent developments in the application of live feeds in the freshwater ornamental fish culture. Aquaculture 227 (1-4), 319-331.

Liem, K. F., 1965 - Copeia 1965 (2): 206-213: The status of the anabantoid fish genera Ctenops and Trichopsis.

Liem, K. F., 1965. The status of the anabantoid fish genera *Ctenops* and *Trichopsis*. Copeia 1965 (2): 206-213.

Lovell, R. T. 2000. Nutrition of ornamental fish. En: Bonagura J (Ed.), Kirk´s Current Veterinary Therapy XIII-Small Animal Practice. W.B. Saunders, Philadelphia, USA; p. 1191-1196.

M. G. Bulmer. 2003. Francis Galton: Pioneer of Heredity and Biometry.

Macuiane, M. A., Kaunda, E. K. W. Jamu, D. M. and Kanyerere, G. Z. 2009. Reproductive biology and breeding of *Barbus paludinosus* and *B. trimaculatus* (Teleostei: Cyprinidae) in Lake Chilwa, Malawi: implications for fisheries management. African Journal of Aquatic Science 34(2): 123–130.

Mahalder, B. and Mustafa, M. G. 2011. Introduction to Fish Species Diversity-Sunamganj Haor Region within CBRMP's working area, 2011.

Mahapatra, B. K. 2019. Ornamental Fish Genetic Resources of India and Diversified Aqua Business Opportunity in the New Branch of Fishery. National Seminar on Frontiers of Fisheries Research: Problem and Prospects. Organised by Department of Aquaculture Management & Technology, Vidyasagar University: 16-20.

Mahapatra, A., Gupta, P. and Singh, R. K. 2018. Length-Weight relationship of six freshwater fish species in the ponds in close vicinity to river Ganges, Varanasi. February. Journal of Scientific Research 62(I):41-50.

Mahapatra, B. K. 2018. Ornamental Fishery Resources in India: Diversified Option for Livelihood Improvement. *In:* National Seminar on "Recent Trends in Fishery and ecological Science" at Meghnad Saha Auditorium, Rajabazar Science College, University of Calcutta on 19th May, 2018 p.33-44.

Mahapatra, B. K. 2017. Ornamental fish breeding and culture (In Bengali). Published by Ramkrishna Mission Ashram, Sargachhi, Murshidabad. Pp. 74.

Mahapatra B. K and Gopal Krishna, 2016. Embryonic and larval development of *Rasbora daniconius* (Hamilton): A potential indigenous ornamental fish of north-east India, International Journal of Fisheries and Aquatic Studies; 4(6): 187-190.

Mahapatra, B. K. 2016a. Collection of Indigenous freshwater ornamental fish from wild. Best Management Practices for Freshwater Ornamental Fish Production. National Fisheries Development Board, Hyderabad. p. 124-140.

Mahapatra, B. K. 2016b. Ornamental Fish Culture: Origin and Development. International Conference on Aquatic Resources & Sustainable Management. 17-19 February, 2016. pp 47-48.

Mahapatra, B. K. 2016c. Biology of *Badis badis* (Ham. 1822) from North Eastern Hill Region. *J. Inland Fish. Soc. India, 48(1)*: 97-101, 2016.

Mahapatra, B. K. 2016d. Breeding and larval rearing of indigenous ornamental fish, *Rasbora daniconius*(Hamilton)under captivity: a potential indigenous ornamental fish of north east India*, J. Indian Fish Assoc*: 43(2):37-41.

Mahapatra, B. K., Vinod, K. and Lakra, W. S. 2016. Biology of the ornamental cyprinid fish *Danio dangila* (Hamilton, 1822) from the North-eastern hill region of India. Indian J. Fish. 63(4): 122-125.

Mahapatra, B. K., Sarkar, U. K. and Lakra, W. S. 2015. Biodiversity of Marine Ornamental fish in West Bengal: Issues of sustainability and livelihood security. In the

book of Biodiversity for Sustainable Development at International day for Biological Diversity on 22nd May, 2015. Pp. 92-96.

Mahapatra, B. K. and Lakra, W. S. 2014a. Biology of *Brachydanio rerio* (Hamilton, 1822) from NEH region, India. J. Inland Fish. Soc. India, 46(2):64-70, 2014.

Mahapatra B. K. and Lakra W. S. 2014b. Indigenous Finfish Biodiversity of North-Eastern Region Current Status, Potentiala, Threats & Management Issues In: Indigenous Fin Fish species for Aquaculture Diversification: Current status and prospects in Nortrh-Eastern region (eds.). Krishna Kanta Tamuli, Sushanta Borthakur, Bipul Phukan and Sangipran Baishya. Assam Agriculture University, Nagaon, Assam. p. 42-62.

Mahapatra, B. K., Sarkar, U. K., Lakra, W. S. 2014a. A Review on Status, Potentials, Threats and Challenges of the Fish Biodiversity of West Bengal. J Biodivers Biopros Dev.; 2: 140. doi:10.4172/2376-0214.1000140.

Mahapatra, B. K., Pal, Monalisa, S. Bhattacharjee and W. S. Lakra. 2014b. Length-Weight relationship and condition factor of an indigenous ornamental fish, *Pseudambassisranga* (Hamilton, 1822) from East Kolkata Wetland. International Journal of Fisheries and Aquatic Studies 2(2): 173-176.

Mahapatra, B. K., Vinod, K. and Mandal, B. K. 2005. Export potentiality of native ornamental fish from North Eastern Hill States of India with a note for development of such fisheries. Environment & Ecology, 23(4): 780-786.

Mahapatra, B. K., Vinod, K. and Mandal, B. K. 2004a. Ornamental fish of North Eastern India – Its distribution and conservation status. *Environment & Ecology*, 22(3): 674-683.

Mahapatra, B. K., Vinod, K. and Mandal, B. K. 2004b. Fish Biodiversity of North Eastern India with a Note on Their Sustainable Utilisation. Environmental & Ecology. 22 (Spl-1): 56-63.

Mahapatra, B. K., Vinod, K. and Mandal, B. K. 2004c. Studies on fecundity of zebra danio, *Brachydanio rerio* (Hamilton) from Meghalaya, North Eastern India. *J. Curr. Sci*., 5(1): 103-108.

Makori, A. J., Abuom, P. O., Kapiyo, R. *et al*. 2017. Fish Aquatic. Sci 20: 30. https://doi.org/10.1186/s41240-017-0075-7.

Mandal, S., Mahapatra, B.K., Tripathi, A. K., Verma, M. R., Datta, K.K. and Ngachan, S.V. 2007. Agribusiness Opportunities of Ornamental Fisheries in North-Eastern Region of India. *Agriculture Economics Research Review*. 20 (Conference Issue): 471-488.

Mankiewicz, R. 2004. The Story of Mathematics (Paperback ed.). Princeton, NJ: Princeton University Press. p. 158. ISBN 9780691120461.

Marian, M. Peter and Pandian, T. J. 1984. Culture and harvesting techniques for Tubifex tubifex. Aquaculture. 42: (3–4): 303-315

McClelland, J. 1845. Description of four species of fishes from the rivers at the foot of the Boutan Mountains. Cal J Natural Hist. 5(18): 274-282. [Issue for July 1844, possibly published in 1845.]

McGravey, R. and Fowler, A. J. 2002. Seasonal growth of King George whiting (*Sillaginodes punctata*) estimated from length-at-age samples of the legal-size harvest. Fishery Bulletin. 100: 545-558.

McKinnon, J. S. and Liley, N. R. 1987. Asymmetric Species Specificity in Response to Female Sexual Pheromone by Males of Two Species of Trichogaster (Pisces: Belontildae). Can. J. Zool. 65: 1129-1134

Menon, A.G.K. 1999.Check list - fresh water fishes of India. Rec. Zool. Surv. Ind ia, Mis. Publ., Occas. Pap. 175: 366.

Mishra, S. K., Sarkar, U. K., Trivedi, S. P., Mir, J. I. and Pal, A. 2013. Biological parameters of a silurid catfish Ompok bimaculatus (Bloch, 1974) from River Ghaghara India Journal of Environmental Biology 34: 1013-1017.

Mitra, K., Suresh, V. R., Vinci, G. K., Mazumdar, N. N. and Biswas, D. K. 2007. Biology and fishery of Banded Gourami, *Colisa fasciata* (Bloch and Schneider, 1801) in a floodplain wetland of Ganga river basin. Asian Fisheries Science. 20: 409-423.

Moitra, S. K. and Ray, A. K. 1977. Morpho-histology of the alimentary canal of an Indian fresh-water perch, *Colisa fasciata* (Bloch) in relation to food and feeding habits. Anatomischer Anzeiger. 141(1): 37-58.

Mojekwu, T. O., Anumudu, C. I. 2015. Advanced Techniques for Morphometric Analysis in Fish. J Aquac Res Development 6: 354. doi:10.4172/2155-9546.1000354

Mondal, D. K. and Kaviraj, A. 2013. Feeding and reproductive biology of *Amblypharyngodon mola* from two floodplain lakes of India. International Journal of Aquatic Biology, 1(3): 125-131.

Mondol, M. M. R., Nahar, D. A., Dewan, S., Rahman, M.M., Jasmine, S. and Hossain, M. Y. 2013. Food and feeding habits of *Amblypharyngodon mola* in rice field ecosystem with consideration of water quality parameters. Our Nature, 11(1):61-75.

Mondol, M. R., Dewan, S., Hossain, M. A., Asaduzzaman, M., Islam, M. A., Rozario, U. A., 2005. Food and feeding habits of *Puntius goniotus* (Thai Sarpunti) in rice field, Pakistan Journal of Biological Sciences, 8(3): 386-395.

Mukherjee, D. and Datta, N. C. 1992.Surface feature of the gill rakers of *Cyprinus carpio* (Linn.) under light and scanning electron microscope.Proc. Zool. Soc. Calcutta, 45 (Suppl. A): 227-231.

Munshi, J. S. D., Olson, K. R., Roy, P. K. and Ghosh, U. 2001. Scanning electron microscopy of the heart of the climbing perch. J Fish Biol 59:1170–1180.

Nelson, J. S. 1994. Fishes of the world. Third edition. John Wiley & Sons, Inc., New York. 600 p.

Nelson, Joseph S. 1994. Anabantoidei Fishes of the World, Third Edition. Published by: John Wiley and Sons. xvii + 600.

Ng, H. H., 2005. Two new species of *Pseudolaguvia* (Teleostei: Erethistidae) from Bangladesh. Zootaxa 1044: 35-47.

Okamura, A., Yamada, Y., Horie, N., Utoh, T., Mikawa, N., Tanka, S. and Tsukamoto, K. 2007. Effects of water temperature on early development of Japanese eel *Anguilla japonica*. Fish. Sci. 73: 1241-1248.

Pal, M. and B. K. Mahapatra 2018. Biology of Indigenous Ornamental Fish, Amblypharyngodon mola (Hamilton and Buchanan, 1822). In: Sustainable Management of Aquatic Resources, Pages 329-351. Edited by : B.K. Mahapatra, A.K. Roy and Nemai Chandra Pramanik. Published by Narendra Publishing House, Delhi, India.

Pal, M. and Mahapatra, B.K. 2016. Fecundity and GSI of Mourala, *Amblypharyngodon mola* (Hamilton-Buchanan, 1822) from South Bengal District of West Bengal. *IJAFS*. 4(5): 47-53.

Pal, M. and Mahapatra, B.K. 2017. Early Life History of Indian Ornamental Barb, *Puntius sophore* (Hamilton, 1822). *J. Inland Fish. Soc. India*, 49(2):10-21.

Pal, M., Mahapatra, B.K. and Mondal, B. 2013. Length weight relationship and condition factor of *Puntius sophore* (Hamilton) from Kolkata and suburban fish market. *Environment & Ecology*, 31(3): 1255-59.

Pal, Monalisa, Mahapatra, B. K., Mandal, B. and Roy, A. K. 2014. Lenght-Weight Relationship and Condition Factor of *Amblypharyngodon mola* (Hamilton-Buchanan, 1822). J. Indian Soc. Coastal agric. Res. 32(1): 54-58.

Pandey, P. K. and Mandal, S. C. 2017. Present status, challenges and scope of ornamental fish trade in India. Souvenir of Aqua Aquaria India Conference, 2017.

Paul H., Alison J. K. and John D. K. 1999. Fish, flows and flood plains: links between freshwater fishes and their environment in the Murray-Darling River system, Australia. Environmental biology of fishes 56 (1-2), 129-151.

Peterson, J. 1895. Einige Methoden Zur Bestimmung des Alters and Wachses der Fische Milteil. D. Deutsch- Seefisherel-Vereins.

Pinter, H. 1986. Labyrinth Fish. Barron's Educational Series, Inc., ISBN 0-8120-5635-3.

Potts, J. C., Burton, M. L. and Myers, A. R. 2016. Age, growth and natural mortality of schoolmaster (Lutjanus apodus) from the southeastern United States. PeerJ. 4:e2543, doi: 10.7717/peerj.2543.

Quasim, S. Z. 1973. An appraisal of the studies on maturation and spawning in marine teleosts from the Indian waters. Indian Journal of Fisheries. 20(1): 166-181.

Rahman, A. K. A. 1989. Freshwater Fishes of Bangladesh, 1st edition, Zoological Society of Bangladesh, Department of Zoology, University of Dhaka, pp. 282-283.

Rahman, A. K. A. 2005. Freshwater Fishes of Bangladesh, 2nd edition, Zoological Society of Bangladesh, Department of Zoology, University of Dhaka, pp. 307-308.

Rana, D. and Gupta, S. K. 2017. Ornamental fish diversity from the streams of Don valley, Dehradun, Uttarakhand. J. Global Biosc. 6(4): 4948-4953.

Reddy, V. S., Rao, M. B. 1992. Length-weight relationship and relative condition of *Puntius sophore* (Ham- Buch) from lake Hussain Sagar, Hyderabad, India, J. Inland Fish Soc India. 24(1):22-25.

Ricker W. E., 1975. Computation and Interpretation of Biological Statistics of Fish Populations, Bulletin of the Fisheries Research Board of Canada, Ottawa, Department of the Environment Fisheries and Marine Service, 191, 382.

Rossman, K-H., 2008. *Ctenops nobilis* - where is the problem? Der Makropode 30(1): 4-6.

Rüber, L, Britz, R and Zardoya, R. 2006. Molecular phylogenetics and evolutionary diversification of labyrinth fishes (Perciformes: Anabantoidei). Systematic Biology; 55(3): 374-397.

Rüber. 2009. Labyrinth fishes (Anabantoidei). Pp. 344–347 in, the Timetree of Life, S. B. Hedges and S. Kumar, Eds. (Oxford University Press,).

Russell, M., Shuke, R. and Samantha, S. 2011. Effects of Conductivity on Survivorship and Weight of Goldfish (*Carassius auratus*). Available at http://departments.juniata.edu/biology/eco/documents/Russell_et al.pdf. 23 Apr 2017.

Saha, S., Behera, S., Bhakta, D., Mandal, A., Kumar, S. and Mondal, Anandamoy. 2017. Breeding and embryonic development of an indigenous ornamental fish Trichogaster lalius (Hamilton, 1822) in captive condition. J. of Entomology and Zoology Studies. 5(3): 111-115.

Sahoo, S. K., Giri, S. S. and Chandra, S. 2008. Rearing performance of *Clarias batrachus* larvae: Effect of age at stocking on growth and survival during fingerling production. Aquaculture, 280: 158-160.

Sahoo, U., Bhattacharya, S. and Mahapatra, B. K. 2016. Biological informatics on freshwater ornamental fish *Colisa lalia* (Hamilton, 1822). International Conference on Aquatic Resources & Sustainable Management. 17-19 February, 2016. pp. 235.

Sahoo, U., Mahapatra, B.K., Sawant, P.B., Munilkumar, S., Pailan, G.H. and Datta, S. 2019. Biometric Studies of Dwarf Gourami, *Colisa lalia* (Hamilton, 1822)

Occurring along River Hoogly, East Coast, India. *International Journal of Advance Biological Research*; 9 (2): 128-132.

Sahu, S. and Datta, S. 2018. Effect of Water pH on Growth and Survival of *Trichogaster lalius* (Hamilton, 1822) Under Captivity. Int.J.Curr.Microbiol.App.Sci. Special Issue-7: 3655-3666.

Sahu, S., Sahu, S and Sahu, P. 2018. A note on biology of Dwarf gourami, *Trichogaster lalius* (Hamilton ,1822). Int. J. Fisheries and Aquatic studies. 6(5): 169-171

Sales, J. and Janssens, G. P. J. 2003. Nutrient requirements of ornamental fish. Aquat Living Resour 16(6): 533-540.

Santamaría, Y. V. and Santamaría, W. C. 2011. Nutritional requirements of freshwater ornamental fish: a review. Revista MVZ Córdoba 16 (2), 2458-2469.

Santos M. N., Gaspar M. B., Vasconcelos P. and Monteiro C. C., 2002. Weight-length relationship for 50 selected fish species of the Algarve coast, Fisheries Research, 59, 289-295.

Sarkar, U. K. and Deepak, P. K. 2009. The diet of clown knife fish *Chitala chitala* (Hamilton-Buchanan) an endangered Notopterid from different wild population (India). Electronic Journal of Ichthyology, 1: 11-20.

Schwenk, K. 2000. Feeding: form, function, and evolution in tetrapod vertebrates. Academic Press, San Diego.

Semra Küçük. 2010. The effects of water type on growth, survival and condition of *Poecilia velifera.* African Journal of Biotechnology Vol. 9(5), pp. 760-763.

Shafi, M. and Quddus, M. M. A., 2001. Bangladesher Matsho Shampad (Fisheries of Bangladesh) (in Bengali), Kabir publication. Dhaka, Bangladesh. pp. 301-302.

Sharmin Akter, Md Farid Uz Zaman, Md Hasan Uj Jaman, Iren Nahar Sithi, Dilruba Yesmin, Abdulla Al Asif. 2016. Morphometric study of banded gourami (Colisa fasciata) in Jessore, Bangladesh. Asian Journal of Medical and Biological Research 2 (1), 113-120.

Shiino, Sueo M. 1976. List of Common Names of Fishes of the World, Those Prevailing among English-speaking Nations. Science Report of Shima Marineland, Published by: Shima Marineland no. 4. Pp. 262.

Shim, K. F., Landesman, L. and Lam, T. J. 1989. Effect of dietary protein on growth, ovarian development and fecundity in the dwarf gourami, *Colisa lalia* (Hamilton). J Aquacult Trop 4(1):111-123.

Singh, C. P., Ram, R. N and Singh, R. N. 2013. Food and feeding pattern of *Channa punctatus* at two different habitats at Tarai region of Uttarakhand. Journal of Environmental Biology 34:789-792

Solomon, S., Ramprasanth, M. R., Baby, F., Pereira, B., Tharian, J., Ali, A. & Raghavan R. 2011. Reproductive biology of *Puntius denisonii*, an endemic and

threatened aquarium fish of the Western Ghats and its implications for conservation. Journal of Threatened Taxa. 3(9): 2071–2077.

Swarup, K., Kumar, A. and Srivastava, S. 1972. Sexual dimorphism in the Giant Gourami, *Colisa fasciata* (Anabantidae). Proceedings of the National Academy of Science, Part I. 42(2):93-94.

Syandri H Azrita. 2015. Morphological cha-racter among five strains of giant gourami, Oshpronemus goiramy Lacepede, 1801 (Actinopterygii: Perciformes: Osphronemidae) using a truss morphometric system. International Journal of Fisheries and Aquatic Studies 2 (6), 344-350.

Talwar, P. K. and Jhingran A. G., 1991. Inland Fishes of India and Adjacent Countries, Oxford & IBH Publishing Co. Pvt. Ltd. New Delhi, Calcutta, Vol. 2; pp. 1001-1002.

Tate, M., McGoran, R. E., White, C. R., Portugal, S. J. 2017. Life in a bubble: the role of the labyrinth organ in determining territory, mating and aggressive behaviours in anabantoids. J Fish Biol. 91(3):723-749. doi: 10.1111/jfb.13357.

Thilsted S. H., Ross N. and Hasan N. 1997. The role of small indigenous fish species in food and nutrition security in Bangladesh, NAGA Newsletter p-13.

Vierke, J. 1988. Betta, goura labyrinth fishes of the world. TFH Public mis and other anabantid ation, New Jer- sey.

vikaspedia.in/agriculture/fisheries downloaded on 24 March, 2019.

Wikipedia. https://en.wikipedia.org/wiki/Perciformes download on dated 5th September, 2015

www.aquariumglaser.de/en/fish-archives/ctenops_nobilis_en download on 5th Sepetmber, 2015.

www.fishbase.org downloaded on dated 5th September, 2015.

Zalina, I., Saad, C. R., Christianus, A. and Harmin, S. A. 2012. Induced breeding and embryonic development of climbing perch (Anabas testudineus, Bloch). Journal of Fisheries and Aquatic Science. 7(5), 291-306.

Zar, Jerrold H. 1999. Biostatistical Analysis, 4th ed. Upper Saddle River, NJ. Prentice-Hall.

Zipcodezoo. zipcodezoo.com/key/animalia/Osphronemidae_Family.asp. downloaded on 7th February, 2015.

Zuanon, J. A. S., asano, M. and Fernandes, J. B. K. 2004. Performance of *Tricogaster* (*Trichogaster trichopterus*) submitted to different feeding levels and stocking densities. Revista Brasileira de Zootecnia, v.33, p.1639-1645.