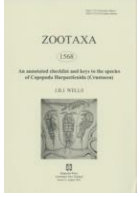
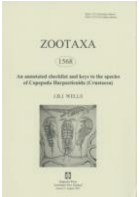
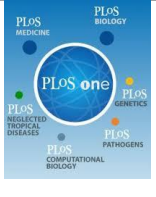



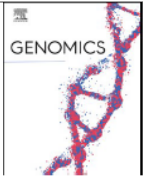


List of papers published by NBFGR during 2019

Sl. No.	Journal	Publication	Impact Factor	
			ISI (2018)	NAAS (2019)
1.		Doyle R.W., K.K. Lal and C. Virapat, 2019. Domestication and genetic improvement: balancing improved production against increased disease risks from inbreeding. <i>Revue Scientifique et Technique (International Office of Epizootics)</i> , 38(2): 615-628. DOI: 10.20506/rst.38.2.3008	0.503	-
2.		Pandey, A.K. A. Mishra, P.J. Singh, R. Abidi and M. Tripathi, 2019. Exotics and genetically-modified fishes: Threats to capture and culture fish diversity of India. <i>Journal of Experimental Zoology, India</i> , 22(2): 1299-1309	1.226	5.51
3.		Alam, A., N.K. Chadha, S.K. Chakraborty, K.D. Joshi, T. Kumar, S.C.S. Das, S.D. Roy, A.F. Rizvi and J. Kumar, 2019. Studies on the growth and mortality of invasive <i>Oreochromis niloticus</i> (Linnaeus, 1758) in sub-tropical river Yamuna, part of Gangetic River system, India. <i>Aquatic Ecosystem Health & Management</i> , 22: 473-480	0.876	6.88
4.		Acharya, A., A.K. Pathak and P. Dash, 2019. Solid waste management using GIS-based analysis - A case study: tourism region of Medinipur coastal belt, West Bengal. <i>International Journal of Scientific Research and Reviews</i> , 8(2): 1145-1159.	1.536	-
5.		Kumar A., P.K. Pradhan, N.K. Chadha, V. Mohindra, V.K. Tiwari, N. Sood and E. Gisbert, 2019. Ontogeny of the digestive tract in stinging catfish, <i>Heteropneustes fossilis</i> (Bloch) larvae. <i>Fish Physiology and Biochemistry</i> , 45: 667-679.	1.729	7.73
6.		Ahmad, I., T. Leya, N. Saharan, B. Rani, G. Rathore, A.H. Gora, I. Bhat and A.K. Verma, 2019. Carbon sources affect water quality and haemato-biochemical responses of <i>Labeo rohita</i> in zero-water exchange biofloc system. <i>Aquaculture Research</i> , 50(10): 2879-2887.	1.502	7.50

7.		Pathak, A.K., U.K. Sarkar, R. Dayal and S.P. Singh, 2019. UPFBase-A freshwater fish diversity database of Uttar Pradesh, India. <i>Indian Journal of Animal Sciences</i> , 89(3): 347–354.	0.21	6.23
8.		Anand, A., G. Kantharajan, P. Krishnan, K.A. Hakeem, K.S. Santosh, C.S. Rao, K.K. Lal, S.B. Choudhury, C. Manjulatha and D.E. Babu, 2019. Mapping the potential areas for enclosure fish culture in tropical reservoirs: geo-spatial solutions for sustainable aquaculture expansion. <i>Spatial Information Research</i> , 27(6): 733–747.	2.96	-
9.		Baisvar VS, R. Kumar, M Singh and B Kushwaha, 2019. Cytochrome-C Oxidase I gene-based genetic divergence and molecular phylogeny among the species of fish genus <i>Channa</i> . <i>Proceedings of the National Academy of Sciences, India, Section B: Biological Sciences</i> , 89: 1455–1463	-	-
10.		Bharathi, S., P. Purushothaman, S. Akash, S. Jose, M. Madhavan, A. Dhinakaran, N. Saravanane, T.T. Ajith Kumar and K.K. Lal, 2019. <i>Periclimenella agattii</i> sp. nov., a new Palaemonid shrimp (Crustacea, Decapoda, Palaemonidae) from Lakshadweep Islands, India. <i>Zootaxa</i> , 4706(3): 483–493	0.990	6.99
11.		Bhaskar R. and V. Mohindra, 2019. Phylogenetic relationships among Indian freshwater turtles (family Trionychidae and Geoemydidae) with special reference to <i>Lissemys punctata</i> , inferred from mitochondrial cytochrome b gene sequences. <i>Meta Gene</i> , 22: 100610	0.88	-
12.		Chowdhury, L.M., A. Kathirvelpandian, P.R. Divya, V.S. Basheer, R. Shanis, M. Chelath., P. Kumar and Gopal Krishna, 2019. Molecular identification and phylogenetic assessment of species under genus <i>Parapenaepsis</i> Alcock, 1901, from Indian waters. <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 30(2): 191–200.	0.566	6.00



13.		Das, S.C.S., K.D. Joshi, S.K. Chakraborty, D. Panda and A.K. Jaiswar, 2019. Length-weight relationship and condition factor of <i>Cyprinus carpio</i> Linnaeus, 1758 from the river Ganga, Allahabad, India. <i>Journal of Entomology and Zoological Studies</i> , 7(3): 1420-1424.	0.48	5.53
14.		Divya, B.K., V. Mohindra, R.K. Singh, P. Yadav, P. Masih and J.K. Jena, 2019. Muscle transcriptome resource for growth, lipid metabolism and immune system in Hilsa shad, <i>Tenualosa ilisha</i> . <i>Genes and Genomics</i> , 41(1): 1–15.	0.759	-
15.		Divya, P. R., R.G. Kumar, C. Mohitha, C.P.R. Shanis, K.K. Bineesh, V.S. Basheer and A. Gopalakrishnan, 2019. Resurrection and Re-description of <i>Pampus candidus</i> (Cuvier), Silver Pomfret from the Northern Indian Ocean. <i>Zoological Studies</i> , 58(7): 1-10.	0.726	6.73
16.		Dutta, N., R.K. Singh, V. Mohindra, A. Pathak, R.. Kumar, P. Sah, S. Mandal, G. Kaur and K.K. Lal, 2019. Microsatellite marker set for genetic diversity assessment of primitive <i>Chitala chitala</i> (Hamilton, 1822) derived through SMRT sequencing technology. <i>Molecular Biology Reports</i> , 46: 41–49.	2.107	8.11
17.		Rashid, I., V.S. Baisvar, M. Singh, P. Srivastava, R. Kumar, B. Kushwaha and A.K. Pathak, 2019. Isolation and characterization of hypoxia inducible gene connective tissue growth factor (CTGF) in <i>Labeo rohita</i> . <i>Molecular Biology Reports</i> , 46: 1683–1691.	2.107	8.11
18.		Rashid, I., AK Pathak, R. Kumar, P. Srivastava, M. Singh, S. Murali and B. Kushwaha, 2019. Genome-wide comparative analysis of hif binding sites in <i>Cyprinus carpio</i> for in silico identification of functional hypoxia response elements. <i>Frontiers in Genetics</i> , 10: 659. doi: 10.3389/fgene.2019.00659	3.517	9.52
19.		Jayakumar, T.T.K., I.B. Shakhovskoy, N.P.K. Prasoona, A. Kathirvelpandian, T.A. Kumar and K.K. Lal, 2019. The First Record of the Rearfin Flying Fish, <i>Cypselurus opisthopus</i> (Exocoetidae), from the Waters of South India, with the	0.36	-

		Assessment of Flying Fish Species Occurring in the Indian Exclusive Economic Zone. <i>Journal of Ichthyology</i> , 59(5): 697-706.		
20.		Kumar, R., C. Ravi, S. Das, A. Dharmaratnam, V.S. Basheer, and T.R. Swaminathan, 2019. Establishment and characterization of a caudal fin-derived cell line, AOF, from the Oscar, <i>Astronotus ocellatus</i> . <i>Fish Physiology and Biochemistry</i> , 45(1): 123–131.	1.729	7.73
21.		Kumar, R.G., V.S. Basheer, and C. Ravi, 2019. <i>Aenigmachanna mahabali</i> , a new species of troglomorphic snakehead (Pisces: Channidae) from Kerala, India. <i>Zootaxa</i> , 4638(3): 410–418.	0.990	6.99
22.		Madhavan, M., P. Purushothaman, S. Akash, S. Bharathi, Sheena Jose, A. Dhinakaran, C. Ravi, T.T. Ajith Kumar and K.K. Lal, 2019. New records of <i>Thor bairanensis</i> Xu & Li, 2014 and taxonomical remarks on <i>Lysmata ternatensis</i> de Man, 1902 (Decapoda: Thoridae & Lysmatidae) from the Laccadive Islands, India. <i>Zootaxa</i> , 4624(3) doi: 10.11646/zootaxa.4624.3.4.	0.990	6.99
23.		Majhi, S.K., P.K. Maurya, S. Kumar, V. Mohindra, and K.K. Lal, 2019. Depletion of endogenous germ cells in striped catfish <i>Pangasianodon hypophthalmus</i> (Sauvage, 1878) by heat–chemical treatments. <i>Reproduction in Domestic Animals</i> , 54(12): 1560–1566.	1.638	7.64
24.		Mohindra, V., T. Dangi, L.M. Chowdhury and J.K. Jena, 2019. Tissue specific alpha-2-Macroglobulin (A2M) splice isoform diversity in Hilsa shad, <i>Tenualosa ilisha</i> (Hamilton, 1822). <i>PloS One</i> , 14(7): e0216144.	2.776	8.78
25.		Mohindra, V., T. Dangi, R.K. Tripathi, R. Kumar, R.K. Singh, J.K. Jena and T. Mohapatra, 2019. Draft genome assembly of <i>Tenualosa ilisha</i> , Hilsa shad, provides resource for osmoregulation studies. <i>Scientific Reports</i> , 9(1): 1–14.	4.011	10.01

26.		Verma, M.S., A.K. Pathak, A. Tiwari, S. Murali, R. Kumar, N.S. Nagpure, I. Rashid, R. Pati and B. Kushwaha, 2019. Interaction profiling of growth hormone receptor and growth hormone proteins in <i>Labeo rohita</i> : an insight using molecular modelling and docking approaches. <i>Journal of Computational Chemistry & Molecular Modeling</i> , 3(2): 261-268.	3.224	-
27.		Nuwansi, K.K.T., A.K. Verma, G. Rathore, M.H. Chandrakant, G.P.W.A. Prabhath and R.M. Peter, 2019. Effect of hydraulic loading rate on the growth of koi carp (<i>Cyprinus carpio</i> var. koi.) and Gotukola (<i>Centella asiatica</i> (L.) using phytoremediated aquaculture wastewater in aquaponics. <i>Aquaculture International</i> , 28: 639–652.	1.455	7.46
28.		Arya, P., P.K. Pradhan, A. Paria, R. Sharma, D.K. Verma, Ravindra, G. Rathore and N. Sood, 2019. Ontogeny and tissue-specific expression of immune-relevant genes in <i>Catla catla</i> (Hamilton). <i>Gene Expression Patterns</i> , 34: 119071.	1.154	7.15
29.		Arya P., P.K. Pradhan, R. Sharma and N. Sood, 2019. Histological studies on ontogenic development of lymphoid organs in Indian major carp <i>Catla catla</i> . <i>Journal of Environmental Biology</i> , 40: 151-157.	0.555	6.56
30.		Pathak, A.K., I. Rashid, N.S. Nagpure, R. Kumar, R. Pati, M. Singh, S. Murali, B. Kushwaha, D. Kumar, A. Rai, 2019. FisOmics: A portal of fish genomic resources. <i>Genomics</i> , 111: 1923–1928.	2.107	9.16
31.		Prakash, S., T.T. Ajith Kumar and K.K. Lal, 2019. Infestation of bopyrid isopod parasite (Bopyridae) on ‘coral banded boxing’ shrimp <i>Stenopus hispidus</i> Olivier, 1811 (Stenopodidae) in the Lakshadweep archipelago. <i>Current Science</i> , 117(8): 1271-1273.	0.756	6.76
32.		Preena, P. G., A. Dharmaratnam, N.S. Raj, T.V. Arun Kumar, S. Arun Raja and T.R. Swaminathan, 2019. Antibiotic susceptibility pattern of bacteria isolated from	0.728	6.73

		freshwater ornamental fish, guppy showing bacterial disease. <i>Biologia</i> , 74(8): 1055-1062.		
33.		Kumar, R., VS Baisvar, B Kushwaha, G. Waikhom and M Singh, 2019. Evolutionary analysis of genus <i>Channa</i> based on karyological and 16S rRNA sequence data. <i>Journal of Genetics</i> , 98(5): 112.	0.825	6.83
34.		Ravindra, P.K. Pradhan, A. Paria, V. Pande, D.K. Verma, P. Arya, G. Rathore and N. Sood, 2019. Expression of immune genes in Indian major carp, <i>Catla catla</i> challenged with <i>Flavobacterium columnare</i> . <i>Fish and Shellfish Immunology</i> , 94: 599–606.	3.298	9.30
35.		Ravindra, P.K. Pradhan, V. Pande, M.K. Yadav, D.K. Verma and N. Sood, 2019. Modulation of the innate immune responses in Indian major carp, <i>Catla catla</i> following experimental infection with <i>Flavobacterium columnare</i> . <i>Aquaculture</i> , 510: 22–31.	3.022	9.02
36.		Chandran, R., L.K. Tyagi, A.K. Jaiswar, S. Raizada, S. Mandal, S.M. Trivesh, A.S. Bisht, S.K. Singh and W.S. Lakra, 2019. Diversity and distribution of Fish Fauna in Ib River, a Tributary of Mahanadi. <i>Indian Journal of Fisheries</i> , 66(1): 92–98.	0.23	6.26
37.		Sajeela, K.A., A. Gopalakrishnan, V.S. Basheer, A. Mandal, K.K. Bineesh, G. Grinson and S.D. Gopakumar, 2019. New insights from nuclear and mitochondrial markers on the genetic diversity and structure of the Indian white shrimp <i>Fenneropenaeus indicus</i> among the marginal seas in the Indian Ocean. <i>Molecular Phylogenetics and Evolution</i> , 136: 53-64.	3.992	9.99
38.		Sharma, U., A.K. Pathak and V. Dutta, 2019. Impact Assessment Of Channelization On River Corridors of A Major Tributary Of Ganges, India Using Geo Spatial Techniques. <i>Ecology, Environment and Conservation</i> , 25(July Suppl. Issue): S18-S25	0.12	4.89

39.		Singh, I., R. Deb, S. Kumar, R. Singh, J. Andonissamy, S. Smita, G.S. Sengar, R. Kumar, K.K. Ojha, N.R. Sahoo, S. Murali, R. Chandran, R.V. Nair, S.B. Lal, D.C. Mishra and A. Rai, 2019. Deciphering foot-and-mouth disease (FMD) virus–host tropism. <i>Journal of Biomolecular Structure and Dynamics</i> , 37(18): 4779–4789.	3.310	9.31
40.		Sivakumar, S., T.R. Swaminathan, R. Anandan and N. Kalaimani, 2019. Medium optimization and characterization of cell culture system from <i>Penaeus vannamei</i> for adaptation of white spot syndrome virus (WSSV). <i>Journal of Virological Methods</i> , 270: 38-45.	1.746	7.75
41.		Sivakumar, S., T.R. Swaminathan, R. Kumar and N. Kalaimani, 2019. The Development and Characterization of a Cell Culture System from Indian Mud Crabs <i>Scylla serrata</i> . <i>Journal of Aquatic Animal Health</i> , 31: 244–258	0.915	6.92
42.		Sood N., P.K. Pradhan, D.K. Verma S. Gupta Ravindra, A.K. Dev, M.K. Yadav, T.R. Swaminathan and G. Rathore, 2019. Epitheliocystis in rohu <i>Labeo rohita</i> (Hamilton, 1822) is caused by novel Chlamydiales. <i>Aquaculture</i> , 505: 539-543	3.022	9.02
43.		Sri Hari M., Z.J. Abidi and A. Kathirvelpandian, 2019. Lack of genetic differentiation in Milkfish, <i>Chanos chanos</i> (Forsskal, 1775) revealed by mitochondrial ATPase 6/8 genes. <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing and Analysis</i> , 30(3): 511-516.	0.566	-
44.		Sri Hari M., A. Kathirvelpandian, S.G. Bhavan, A.M. Sajina, S.S. Gangan and Z.J. Abidi, 2019. Deciphering the stocks of <i>Chanos chanos</i> (Forsskal, 1775) in Indian waters by using Truss network and Otolith shape indices. <i>Turkish Journal of Fisheries and Aquatic Sciences</i> . 20(2): 103-111	0.738	6.74
45.		Srivastava, K., S.C.S. Das, V.R. Thakur, A. Alam and K.D. Joshi, 2019. Biodiversity and spatio-temporal variation of periphyton of the river Ganga (Gangotri to Vindhyanchal).	-	3.99

		<i>International Journal of Fisheries and Aquatic Studies</i> , 7(1 B): 109-115		
46.		Raj, N.S., T.R. Swaminathan, A. Dharmaratnam, S. Arun Raja, D. Ramraj and K.K. Lal, 2019. <i>Aeromonas veronii</i> caused bilateral exophthalmia and mass mortality in cultured Nile tilapia, <i>Oreochromis niloticus</i> (L.) in India. <i>Aquaculture</i> , 512: 724278	3.022	9.02
47.		Baisvar, V.S. M. Singh and R. Kumar, 2019. Population structuring of <i>Channa striata</i> from Indian waters using control region of mtDNA. <i>Mitochondrial DNA Part A</i> , 30(3): 414-423.	0.566	-