

ICAR-CICFR (formerly ICAR-DCFR) Publications- 2016

1.	Barat A., P.K. Sahoo, R. Kumar, C. Goel and A.K. Singh (2016) Transcriptional response to heat shock in liver of snow trout (<i>Schizothorax richardsonii</i>)—a vulnerable Himalayan Cyprinid fish. <i>Functional & Integrative Genomics</i> , 16(2): 203-213. https://doi.org/10.1007/s10142-016-0477-0
2.	Barat A., R. Kumar, C. Goel, A.K. Singh and P.K. Sahoo (2016) <i>De novo</i> assembly and characterization of tissue-specific transcriptome in the endangered golden mahseer, <i>Tor putitora</i> . <i>Meta Gene</i> , 7: 28-33. https://doi.org/10.1016/j.mgene.2015.11.001
3.	Bashir A., B.S. Bisht, J.I. Mir, R. Kumar and R.S. Patiyl (2016) Morphological, molecular characterization and taxonomic status of <i>Triplophysa marmorata</i> and <i>Triplophysa kashmirensis</i> (Cypriniformes: Nemacheilidae) from Kashmir valley, India. <i>Revista de Biología Tropical</i> , 64(2): 473-482. DOI: 10.15517/rbt.v64i2.19591
4.	Bashir A., B.S. Bisht, J.I. Mir, R.S. Patiyl and R. Kumar (2016) Morphometric variation and molecular characterization of snow trout species from Kashmir valley, India. <i>Mitochondrial DNA Part A</i> , 27(6): 4492-4497. https://doi.org/10.3109/19401736.2015.1101537
5.	Bhagawati K., N.K. Chadha, D. Sarma, M.S. Akhtar, P.B. Sawant and B. Simanku (2016) Effect of dietary zinc on the growth and metabolic enzyme activities of golden mahseer (<i>Tor putitora</i>) fry. <i>Journal of Applied and Natural Science</i> 8 (3): 1692 – 1698. DOI: 10.31018/jans.v8i3.1024
6.	Chaturvedi P., M. Dhanik, V. Pande and A. Pande (2016) Identification and in-silico analysis of hepcidin from <i>Tor putitora</i> (Hamilton). <i>Indian Journal of Comparative Microbiology, Immunology and Infectious Diseases</i> , 37(2): 67-76. DOI: 10.5958/0974-0147.2016.00013.1
7.	Inaotombi S., P.K. Gupta and P.C. Mahanta (2016) Influence of abiotic factors on the spatio-temporal distribution of rotifers in a subtropical lake of Western Himalaya. <i>Water, Air, & Soil Pollution</i> , 227(2): 50. https://doi.org/10.1007/s11270-015-2729-3
8.	Ingole N.A., R.N. Ram, A.S. Nain and P. Kumar (2016) Study of Horizontal Zonation of Water Quality Characteristics and Productivity Status of Nanak Sagar Reservoir of Uttarakhand, India. <i>Indian Journal of Ecology</i> , 43(2): 418-425.
9.	Ingole N.A., R.N. Ram, A.S. Nain and P. Kumar (2016) Temporal geomorphological changes in Nanak Sagar Reservoir (India) using satellite data. <i>Current World Environment</i> , 11(2): 458.
10.	Joshi M., N.A. Ingole, H.C.S. Bisht and N.N. Pandey (2016) General and Relative growth studies in formulated feed of fresh water prawn <i>M. assamensis peninsularis</i> (Tiwari) from Kumaon Himalaya, Uttarakhand. <i>Current World Environment</i> , 11(3): 916-925.
11.	Mohanty B.P., S. Ganguly, A. Mahanty, T.V. Sankar, R. Anandan, K. Chakraborty, B.N. Paul, D. Sarma, J. Syama Dayal, G. Venkateshwarlu. S. Mathew, K.K. Asha, D. Karunakaran, T. Mitra, S. Chanda, N. Shahi, P. Das, P. Das, M.S. Akhtar, P. Vijayagopal, and N. Sridhar (2016) DHA and EPA content and fatty acid profile of 39 food fishes from India. <i>BioMed Research International</i> , 2016(1): 4027437. https://doi.org/10.1155/2016/4027437
12.	Mohanty B.P., T.V. Sankar, S. Ganguly, A. Mahanty, R. Anandan, K. Chakraborty, B.N. Paul, D. Sarma, J.S. Dayal, S. Mathew and K.K. Asha (2016) Micronutrient composition of 35 food fishes from India and their significance in human nutrition. <i>Biological Trace Element Research</i> , 174(2): 448-458. https://doi.org/10.1007/s12011-016-0714-3
13.	Nath R., D. Baruah, P. Das and D. Sarma (2016) Present status, threats and conservation measures of mahseer resources in the central rivers of Meghalaya. <i>SKUAST Journal of Research</i> , 18(1): 32-40.
14.	Nilssen K.J., M.R. Ngasainao, J.G. Sharma, S.K. Srivastava, S. Chandra, K.S. Moirangthem, B.K. Khangembam, S. Kumar and R. Chakrabarti (2016) Activities of

	digestive enzymes in relation to ingested natural food in three carp species of the Himalayan River Ladhiya, northern India. <i>Aquaculture Nutrition</i> , 22(6): 1369-1373. https://doi.org/10.1111/anu.12351
15.	Pawar N., P. Gireesh-Babu, S. Sabnis, K. Rasal, R. Murthy, S.G.S. Zaidi, S. Sivasubbu and A. Chaudhari (2016) Development of a fluorescent transgenic zebrafish biosensor for sensing aquatic heavy metal pollution. <i>Transgenic Research</i> , 25(5): 617-627. https://doi.org/10.1007/s11248-016-9959-z
16.	Sahoo P.K., L. Singh, L. Sharma, R. Kumar, V.K. Singh, S. Ali, A.K. Singh and A. Barat (2016) The complete mitogenome of brown trout (<i>Salmo trutta fario</i>) and its phylogeny. <i>Mitochondrial DNA Part A</i> , 27(6): 4563-4565. https://doi.org/10.3109/19401736.2015.1101565
17.	Sarma D., R. Das, M.S. Akhtar, A. Ciji, N.K. Sharma and A.K. Singh (2016) Morpho-histological and ultra architectural changes during early development of endangered golden mahseer <i>Tor putitora</i> . <i>Journal of Fish Biology</i> , 89(4): 2038-2054. https://doi.org/10.1111/jfb.13109
18.	Saxena N., R. Singh Patiyal, K. Dube and V.K. Tiwari (2016) Population dynamics and reproductive biology of <i>Barilius bendelisis</i> (Cyprinidae: Cypriniformes) from river Gaula, Central Indian Himalaya. <i>Revista de Biología Tropical</i> , 64(3): 1287-1295. DOI:10.15517/rbt.v64i3.20844
19.	Shahi N., D. Sarma, J. Pandey, P. Das, D. Sarma and S.K. Mallik (2016) Impact of acid mine drainage on haematological, histopathological and genotoxic effects in golden mahaseer, <i>Tor putitora</i> . <i>Journal of Environmental Biology</i> , 37(4): 509.
20.	Sharma N.K., R. Singh, M. Gupta, N.N. Pandey, V.K. Tiwari, R. Singh and M.S. Akhtar (2016) Length–weight relationships of four freshwater cyprinid species from a tributary of Ganga River Basin in North India. <i>Journal of Applied Ichthyology</i> , 32(3): 497-498. https://doi.org/10.1111/jai.12998
21.	Sharma P., M.S. Akhtar, A.K. Singh, P. Das and D. Sarma (2016) Histomorphological changes in digestive tract of golden mahseer (<i>Tor putitora</i>) during different developmental stages. <i>Fish Physiology and Biochemistry</i> , 42(6): 1681-1698. https://doi.org/10.1007/s10695-016-0249-8
22.	Sharma P., S. Tang, G.D. Mayer and R. Patiño (2016) Effects of thyroid endocrine manipulation on sex-related gene expression and population sex ratios in Zebrafish. <i>General and Comparative Endocrinology</i> , 235: 38-47. https://doi.org/10.1016/j.ygcen.2016.05.028
23.	Sharma P., T.B. Grabowski and R. Patiño (2016) Thyroid endocrine disruption and external body morphology of Zebrafish. <i>General and Comparative Endocrinology</i> , 226: 42-49. https://doi.org/10.1016/j.ygcen.2015.12.023
24.	Singh A.K., B.S. Kamalam and P.K. Prem Kumar (2016) Charting ways to invigorate rainbow trout production in India. <i>Journal of Fisheries Science.com</i> , 10(2): 025-032.