ICAR-CICFR (*formerly ICAR-DCFR*) Publications- 2019

1.	**Barat, A., Sahoo, P.K., Kumar, R., Goel, C., Siva, C. and Ali, S. (2019).** Data on solute carrier transporter genes of a threatened Himalayan fish species – *Schizothorax richardsonii*. Data in Brief, 23: 103712. https://doi.org/10.1016/j.dib.2019.103712
2.	**Baruah, D., Dutta, A. and Pravin, P. (2019).** Line fishing methods of the Brahmaputra Valley. Journal of Krishi Vigyan, 8(1): 197–202. https://doi.org/10.5958/2349-4433.2019.00098.9
3.	**Bhandari, A., Bhat, R.A.H., Tandel, R.S., Dash, P., Shah, T.K., Ganie, P.A. and Sarma, D. (2019).** Investigation of acute toxicity and behavioural changes in rainbow trout fry, *Oncorhynchus mykiss*, in response to ethanolic extract *of Myrica esculenta*. The Pharma Innovation Journal, 8: 807–810. https://link.springer.com/article/10.1007/s11356-021-13970-y
4.	**Bhat, I.A., Ahmad, I., Mir, I.N., Bhat, R.A.H., Goswami, M., Sundaray, J.K. and Sharma, R. (2019).** Chitosan–eurycomanone nanoformulation acts on steroidogenesis pathway genes to increase the reproduction rate in fish. Journal of Steroid Biochemistry and Molecular Biology, 185: 237–247. https://doi.org/10.1016/j.jsbmb.2018.09.011
5.	**Jaffer, Y.D., Purushothaman, C.S., Kumar, H.S., Irfan, A.B., Gireesh-Babu, P., Ganie, P.A., Bhat, R.A.H. and Vennila, A. (2019).** A combined approach of 16S rRNA and a functional marker gene, *soxB*, to reveal the diversity of sulphur-oxidising bacteria in thermal springs. Archives of Microbiology, 201(7): 951–967. https://doi.org/10.1007/s00203-019-01666-4
6.	**Jaffer, Y.D., Vinothkumar, R., Irfan, A.B., Ishfaq, N.M., Ganie, P.A., Bhat, R.A.H. and Vennila, A. (2019).** Isolation and characterization of thermophilic bacteria from Maharashtra hot springs: *Bacillus sp*. and *Staphylococcus sp*. Journal of Entomology and Zoology Studies, 7(1): 691–695. https://www.entomoljournal.com/archives/?year=2019&vol=7&issue=1&ArticleId=4741
7.	**Kamalam, B.S., Mahija, J., Baral, P., Pandey, A., Akhtar, M.S., Ciji, A. and Rajesh, M. (2019).** Temperature- and oxygen-related ecophysiological traits of snow trout (*Schizothorax richardsonii*) are sensitive to seasonal changes in a Himalayan stream environment. Journal of Thermal Biology, 83: 22–29. https://doi.org/10.1016/j.jtherbio.2019.04.014
8.	**Kunal, K., Ganie, P.A. and Pandey, P.K. (2019).** Histological implications in *Anabas testudineus* (Bloch, 1792) upon exposure to cypermethrin (25% EC). Journal of Indian Fisheries Association, 46(1). https://epubs.icar.org.in/index.php/JIFA/article/view/138673
9.	**Rajesh, M., Kamalam, B.S., Ciji, A., Akhtar, M.S., Pandey, N., Gupta, S., Sarma, D., Sahu, N.P. and Singh, A.K., 2019.** Molecular characterisation and transcriptional regulation of muscle growth regulatory factors myogenin and myogenic factor 6 in the Trans-Himalayan cyprinid fish *Schizothorax richardsonii*. Comparative Biochemistry and Physiology Part A: Molecular & Integrative Physiology, 231, pp.188-200. https://doi.org/10.1016/j.cbpa.2019.02.007
10.	**Shah, T.K., Kumar, A., Tandel, R., Bhat, R.A.H. and Sarma, D. (2019).** Identification of functional groups in *Thymus linearis* ethanol leaf extract through Fourier Transform Infrared Spectroscopy (FTIR). Journal of Pharmacognosy and Phytochemistry, 8(4): 3013–3015. https://www.phytojournal.com/archives/view-pdf/9410/8-4-627
11.	**Sharma, A., Ali, S., Sahoo, P.K., Nath, R., Sarma, D. and Siva, C. (2019).** A synopsis of the scientific information and utilization potential of the Assamese kingfish. Journal of Entomology and Zoology Studies, 7: 1463–1469. https://www.entomoljournal.com/archives/?year=2019&vol=7&issue=3&ArticleId=5381
12.	**Sharma, L., Ali, S., Barat, A., Kumar, R., Pande, V., Laskar, M.A., Sahoo, P.K. and Sumer, S. (2019).** Molecular identification and genetic diversity analysis of chocolate

	mahseer (*Neolissochilus hexagonolepis*) populations of Northeast India using mitochondrial DNA markers. Mitochondrial DNA Part A, 30(3): 397–406. https://doi.org/10.1080/24701394.2018.1526929
13.	**Sharma, L., Ali, S., Siva, C., Kumar, R., Barat, A., Sahoo, P.K. and Pande, V. (2019).** Genetic diversity and population structure of the threatened chocolate mahseer (*Neolissochilus hexagonolepis* McClelland, 1839) based on SSR markers: Implications for conservation management in Northeast India. Molecular Biology Reports, 46(5): 5237–5249. https://link.springer.com/article/10.1007/s11033-019-04981-7
14.	**Siddiqui, U., Bisht, H.C.S. and Pandey, N.N. (2019).** Changes in haematological parameters of *Schizothorax richardsonii* (Gray, 1832) infected with *saprolegniasis* under farmed conditions. International Journal of Advanced Research, 7(5): 1228–1232. https://dx.doi.org/10.21474/IJAR01/9155
15.	**Tandel, R.S., Sharma, A., Dash, P., Bhat, R.A.H. and Deo, A. (2019).** Dietary vitamin C supplementation on growth and haemato-biochemical parameters of *Labeo rohita* (Hamilton) fingerlings. Journal of Entomology and Zoology Studies, 7(1): 72–79. https://www.entomoljournal.com/archives/2019/vol7issue1/PartB/7-1-32-748.pdf