




National Bureau of Fish Genetic Resources
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Name	Dr. Peyush Punia	
Designation	Head of Division	
Date of birth	30 th January, 1966	
Professional experience	22 years	
Qualification	MSc. (Fishery Management) PhD	
Current area of Research	Population Genetics, Fish Diseases, Fish Health	
Area of Research Expertise	<ul style="list-style-type: none"> • Fish conservation • Population genetics • Ex-situ conservation • Fish breeding and culture • Fish Health management 	
Awards/ Recognitions	NA	
Publication (no.)		
• Research papers	32	
• Reviews	--	
• Books	08	
• Book Chapters	11	
• Popular articles	03	
• Others	02	

Important Research Publications

Peyush P , Gupta H S, Singh R K, Mohindra V, Lal K K, Ranjana, Chauhan V S And Lakra W S 2006. Polymorphic microsatellite markers isolated from partially enriched genomic library of *Chitala chitala*. Molecular Ecology Notes , **6 (4)**: 1263-1265.

Punia P, Narain L, Mohindra V, Anshumala, Singh R K, Kapoor D and Lal K K, 2005. Identification of polymorphic allozyme markers for assessing genetic variability in *Labeo dyocheilus* (McClelland,1839) Acta Zoologica Sinica, **51(1)**:167-170.

Barat A, **Punia P** and Ponniah A, 1998, Karyotype and localization of NOR in threatened species, *Tenualosa ilisha* (Ham.) (Clupeidae; Pisces) in La Kromosoma, II-**82**: pp 2825-2832.

Lal K K, **Punia P** and Ponniah A G (1999). Extender composition for sperm cryopreservation of *Tenualosa ilisha* with specific reference to inhibitor of sperm motility. Indian J. Fish. **46(4)**.

- Punia P**, Moriyama S, Takahashi A and Kawauchi H. (2000). Molecular Cloning of Growth Hormone cDNA in Barfin Flounder, *Verasper moseri*. Marine Biotechnology. **2 (1)**: 21-26.
- Punia P** (2000). Immunohistochemical and Molecular Characterization of Growth Hormone, prolactin and Somatolactin In Barfin Flounder, *Verasper moseri*. Ph.D. Thesis, School of Fisheries Sciences, Kitasato University, Sanriku, Japan.
- Mohindra Vindhya, Narain L, **Punia P**, Gopalakrishnan A, Mandal A, Kapoor D and Lal K K 2005 Microsatellite DNA markers for population-genetic studies of *Labeo dyocheilus* (McClelland, 1839) Journal of Applied Ichthyology, **21(6)**: 428.
- Mohindra V, Anshumala, Punia P, Narain L, Kapoor D and Lal K K, 2005. Microsatellite loci to determine population structure of *Labeo dero* (Hamilton Buchanan) Aquatic Living Resources, **18**: 83-85.
- Kumar A, Patiyal R S, Mahanta P C Qureshi T A, **Punia P** and Lakra W S, 2007. Study on food and feeding habits of *Tor Putitora* under captive conditions. Indian J. Fish., (CMFRI), Kochi.
- Lakra W S, Goswami M, Mohindra V, Lal K K and **Punia P** , 2007. Molecular Identification of Five Indian Sciaenids (Pisces:Perciformes, Sciaenidae) using RAPD Markers. Hydrobiologia. **583(1)**: 359-363
- Mohindra V, Singh R K, **Punia P**, Gupta H S, Lal K K, Mishra A, Kumar R, Shah R and Lakra W S (2007) Isolation and characterization of polymorphic microsatellite loci in yellow catfish, *Pangasius pangasius* ([Hamilton, 1822](#)). Molecular Ecology Resources, **8 (4)**: 864-866.
- Singh R K, Mohindra V, Ranjana, Punia P, Gopalakrishnan A, Kapoor D, Shukla R N and Lal K K (2008). Identification of polymorphic allozyme markers for assessing genetic variability in Golden Mahseer, *Tor putitora*. Fishery Technology, **45(1)**: 95-102.
- Lal K K, Burman A S, **Punia P**, Khare P, Mohindra V, Lal B, Gopalakrishna A, Sah R S and Lakra W S. (2009) Effect of extender composition on sperm cryopreservation of Asian catfish *Heteropneustes fossilis* (Bloch) and *Clarius batrachus* Lin. Asian Fisheries Science, **22**: 137-142.
- Mandal A, Lal K K, Mohindra V, Singh R K, **Punia P**, Chauhan U K and Lakra W S (2009). Population structure of Indian feather back fish *Chitala chitala* using allozyme, random amplified polymorphic DNA (RAPD) and microsatellites. Biochemical Genetics, **47**: 216-234.
- Maria H, Lakra W S, Mohindra V, Khare P, Burman A S, Singh A, Lal K K, **Punia P** and Kahn A A 2010 Evaluation of cytochrome b mtDNA sequence in genetic diversity studies of *Channa marulius* (Channidae: Perciformes) Molecular biology reports