



Scientist Profile

Name	Dr. Rabindar Singh Patiyal	
Designation	Principal Scientist (Fish Genetics and Breeding)	
Qualification	MFSc, Ph.D	
Email Address	rspatiyal1@gmail.com	
Professional experience (Years)	32 years	
Area of Research	Coldwater Fish aquaculture and breeding	
Expertise		
Awards/ Recognitions	05	
Publication (no.)		
• Research papers	60	
• Reviews	02	
• Books	01	
• Book Chapters	45	
• Popular articles	11	
• Others	20 (Bulletin/Manuals)	
Projects (Institutional/ External)		19
Important 10 Publications (recent)	<ul style="list-style-type: none">• Patiyal, R.S., Mohmmad Iqbal mir, Nityanand Pandey, M Rajesh, Debajit sarma and Suresh Chandra. (2020). Study on embryonic and larval developmental stages of Sucker head Garra gotyla (Grey 1830;Teleostei;Cyprinidae) in Zygote. pg 1-11 doi; 10.1017/S0967199419000698• Shahi, Neetu, Mallik, Sumanta Kumar, Kala Krishna,Joshi,Nupur, Patiyal, Ravinder Singh,Chandra, Suresh, Singh, Shivam, Sarma, Debajit.2020. Seasonal emergence of benign epidermal tumor in farm-reared adult grass carp (<i>Ctenopharyngodon idella</i>) caused by lymphocystis disease virus at Uttarakhand, India. Aquaculture.https://doi.org/10.1016/j.aquaculture.2020.735408• Krishna Kala, Neetu Shahi, Shivam singh, Surabhi Rawat Rabindar singh patiyal, Veena Panday and Sumanta Mallik,2021 New host record of <i>Vibrio anguillarum</i> associated with haemorrhagic septicaemia in golden mahseer, <i>tor putitora</i> (Hamilton,1822) from India.IndianJ..Comp.Microbial.Immunol.Infect.Dis,Vol.42,No,1(Jan -June),2021:71-83• M.S.Akhtar, M.Rajesh ,ACiji, P.Sharma, B.S.Kamlam, R.S. Patiyal , A. K. Singh, D.Sarma, Photo-thermal manipulations induce captive maturation and spawning in endangered golden mahseer (<i>Tor putitora</i>): A silver- lining in the strangled conservation efforts of decades. Aquaculture 497(2018) (336-347 (7.89)• Neha sexena, Rabindar singh Patiyal,Kiran Dube, Virendra K.Tiwari and Javaid Iqbal Mir,. First attempt of captive breeding,	



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embryonik and larval development of *Barilius bendelisis* (Hamilton 1807). Indian J.Anim.Res (2018) DOI:10.18805/ijar.B3502

- **Patiyal R. S.**, Mir J.I., Saxena N., and Singh V.K. (2016) Optimizing Breeding, embryonic development and raring of Koi carp, *Cyprinus carpio*, Under coldwater condition at Bhimtal, Uttarakhand for mass scale seed production. *J. Env. Sci.* 30(1):33-37.
- Patiyal R.S. and Mir.J. I. 2017 Length-weight relationships of 21 fish species from the upland Ganga River Basin tributaries of Central Indian Himalaya. *Journal of Applied Ichthyology*. DOI:10.1111/jai.13386. (6.78)
- Biju Sam Kamalam, Rabindar S. Patiyal, Manchi Rajesh. Javed Iqbal Mir, Atul K. Singh 2017, Prolonged transport of rainbow trout fingerlings in plastic bags: Optimization of hauling condition based on survival and water chemistry. *Aquaculture* 480 (2017)103-107) (7.89)
- **Bashir A.**, Bisht B.S., Mir, J. I., **Patiyal. R. S.** & Kumar R. (2015). Morphometric variation and molecular characterization of snow trout species from Kashmir valley, India. Mitochondrial DNA. DOI: 10.3109/19401736.2015.1101537. (*Annexure- pp-115-120*)
- Sati, J., Kumar, R., Sahoo, P.K., **Patiyal, R.S.**, Ali, S. and Barat A. (2015). Genetic characterization of Golden mahseer (*Tor putitora*) populations using mitochondrial DNA markers. *Mitochondrial DNA* .26(1):68-74 DOI:10.3109/19401736.2013.823170.
- **Patiyal R. S.**, Mir J. I., Sharma R. C., Chandra S. and Mahanta P. C. (2014). Pattern of meristic and morphometric variation between wild and captive stocks of endangered *Tor putitora* (Hamilton 1822) using multivariate statistical analysis methods. *Proceedings of the National Academy of Sciences, India Section B: Biological Sciences*. 84(1):123–129.
- Ravindra, Chandra S., Malik S. K. and **Patiyal R. S.** (2017) Evalution of *Pyrus pashia* Leaf Extract as a Disinfectant for Rainbow Trout (*Oncorhynchus mykiss*) Fertilised eggs. *Int. J. Curr. Microbiol. App. Sci.* 6(1):697-706

Other information's

- Professional Trainings-11
- International / National Seminar/conferences Attended-25
- Radio talks-7
- Training organized -31
- Displayed exhibition in Kisan mela /seminar-31
- Field demonstretion-5
- Gene submission-35