


Scientist Profile

Name	Dr. Nityanand Pandey	
Designation	Principal Scientist (Aquaculture)	
Qualification	MFSc, Ph.D (Fisheries)	
Email Address	nityanfish@yahoo.co.in	
Professional experience (Years)	26 years	
Area of Research Expertise	Coldwater aquaculture	
Google scholar link		
ORCID ID	0000-0003-0064-1767	
Awards/ Recognitions	Vice-Chancellor medal, Junior Research Fellowship from ICAR, Young Scientist Award and Gold Plated Medal 2002, Netcon Environmental Conservation Award 2002, Senior Young Scientist Award- 2004 by Nature conservators (India) and Fellow of Natural Science & Culture (FNSC), 2011. Chaudhary Devilal Outstanding All India Co-ordinated Research Project (ICAR) Award 2012, conferred collectively to the team of Plastic in Agriculture with best centre VPKAS, Almora including DCFR, Bhimtal as partner, Prof. M.C.Dash Medal, 2017 for outstanding Research & Academic by Zoological Society of India, 2017, Fellowship of Coldwater Fisheries Society of India, 2019.	
Publication (no.) <ul style="list-style-type: none">• Research papers• Reviews• Books• Book Chapters• Popular articles• Others	94 02 03 32 18 15 (Bulletin/Manuals)	
Projects (Institutional/ External)	<ul style="list-style-type: none">• Growth and evaluation of different strains of common carp. (2008-11, PI)• Water budgeting and management in Coldwater aquaculture.(2008-11, PI)• Fish feed- An outreach Activity (under ICAR headquarter, Fisheries division) (2009-15, PI)• Domestication, Biology and Captive Breeding of Indian trout <i>Raiamas bola</i> (Hamilton, 1822). (2015-18, PI)• Aquatic Ecology Studies under the Cumulative Environmental Impact Assessment CEIA of Yamuna and Tons River and its tributaries in Uttarakhand with Special Reference to Hydroelectric Projects.(2012-18, PI)• Aquatic Ecology Studies under the Cumulative Environmental Impact Assessment CEIA of Sutluj basin in Himachal Pradesh with Special Reference to Hydro Electric Projects. (2012-16,	

	<p>PI)</p> <ul style="list-style-type: none"> • Aquatic Ecology Studies under CEIA of Sutluj basin in Himachal Pradesh with less than 10 MW Hydro Electric Projects. (2016-19, PI) • Growth potential and breeding performance of <i>S. progastus</i> and <i>S. Plagiostomus</i>. (2018, PI) • Embryonic development, breeding and seed production of Sucker head, <i>Garra gotyla</i>. (2018, Co-PI) • Development and validation of novel feed formulations for rainbow trout (<i>Oncorhynchus mykiss</i>) based on commercial-scale industrial by-products. (2018, Co-PI) • Development of a sustainable aquaponics model for pilot scale fish vegetable production in mid-hill Kumaon Himalaya. (2020, Co-PI) • Angling status of mahseer in Kumaun region for eco-tourism and conservation. (2020, Co-PI) • Ecosystem Monitoring and Sustainable Development of Coldwater Fisheries in Lower and mid Himalayan Regions of India under National Mission for Sustaining the Himalayan Ecosystems (NMSHE- Taskforce 6 for Himalayan Agriculture). (DST, 2015-19, PI) • Rainbow trout farming for promotion of livelihood in Central Himalayas” under technology up-gradation programme. (NFDB, 2016-18, PI) • Triploid rainbow trout (<i>Oncorhynchus mykiss</i>) production for aquaculture enhancement and ecological risk management. (DBT, 2017-20, PI) • Translating the native fish germplasm for socio-economic benefits through aquaculture & fisheries in Himalayan region. (DBT, 2022-25, PI)
Important 10 Publications (recent)	<ul style="list-style-type: none"> • Pandey, N. N., Gupta, M., Singh, R., Ali, S., Haldar, R.S., Kumar, P. And Singh, A.K. 2017. Breeding performance of indigenous carp, <i>Labeo dero</i> in captivity under cold water condition of Uttarakhand, India. <i>Journal of Environmental Biology</i>. 38, 1-5 • Prajneshu, H. Ghosh and N.N. Pandey. 2017. Fitting of von Bertalanffy growth model: Stochastic differential equation approach. <i>Indian Journal of Fisheries</i>. 64(3): 24-28. • Ali, S., Pandey, N. N., Kumar, P., Posti, R. and Singh, A. K. 2018. Response of fish communities to abiotic factors in Western Ramganga, Kumaun Lesser Himalaya, India. <i>Current science</i>. Vol.114 (10).2181-2188.

- Dash, P., Tandel, R. S., Raja Aadil, H. Bhat, Sumanta Mallik, **Pandey, N. N.**, Singh, A. K. and Sarma, D. 2018. The addition of probiotic bacteria to microbial floc: Water quality, growth, non-specific immune response and disease resistance of *Cyprinus carpio* in mid-Himalayan altitude. *Aquaculture*. 495:961-969.
- M. Rajesh, Kamalam Biju Sam, Ciji Alexander, Akhtar Md. Shabaz, **Pandey Nityanand**, Gupta Subodh, Sarma Debajit, Sahu Narrotam Prasad, Singh Atul Kumar. 2019. Molecular characterization 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* 10.1016/j.cbpa.2019.02.007
- Patiyal, R. S., Mir, M. I., **Pandey, N. N.**, Rajesh, M., Sarma, D., Chandra, S. 2020. Study on the embryonic and larval developmental stages of sucker head Garra gotyla (Gray 1830, Teleostei, cyprinidae). *Zygote*. Cambridge University press; 1-11. doi: 10.1017/S0967199419000698.
- P. Das, Ritesh S Tandel, Nityanand Pandey, Paramita Banerjee Sawant, Debajit Sarma, Kiran Dube Rawat, Narinder Kumar Chdha. 2021. Effect of rearing temperature on egg incubation, growth, standard metabolic rate and thermal tolerance of chocolate mahseer, *Neolisochilus hexagonolepis*. *Journal of Thermal Biology*; 98:102942 DOI: 10.1016/j.jtherbio.2021.102942.
- Tandel, R. S., N.K. Chadha, P. Das, P. B.Sawant, **N. Pandey**, S.Chandra, R.A.H.Bhat and D.Thakuria. 2021. An in-vitro study of Himalayan plant extract against oomycetes disease saprolegniasis in rainbow trout (*Oncorhynchus mykiss*). *Journal of Environmental Biology*. 42:1008-1018.
- Sharma, N. K., Mir, J. I., Singh, R., Akhtar, M. S. and **Pandey, N. N.** 2015. Length–weight relationships for eight fish species from the Ravi River, north-western India. *Journal of Applied Ichthyology*, 31(6):1146-1147.



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	<ul style="list-style-type: none">• Sharma, N. K., Singh, R., Pandey, N. N., Akhtar, M. S. and Mir, J. I. 2015. Length–weight relationship of two fish species from Poonch River, Western Indian Himalaya: <i>Glyptothorax kashmirensis</i> (Hora, 1923) and <i>Crossocheilus diplochilus</i> (Heckel, 1838). <i>Journal of Applied Ichthyology</i>, 31(6):1144-1145.
Other information's	<ul style="list-style-type: none">• Professional Trainings-12• International / National Seminar/conferences Attended-25• Radio talks-3• Displayed exhibition in Kisan mela /seminar-22