


Scientist Profile

Name	Sumanta Kumar Mallik	
Designation	Scientist (SS)	
Qualification	M.F.Sc. (Aquaculture)	
Email Address	sumanta.mallik@icar.gov.in sumanta1@rediffmail.com	
Professional experience (Years)	Bacterial pathogens of fish Fish	
Area of Research Expertise	Bacterial diseases in Coldwater aquaculture	
Google scholar link	Sumanta Kumar Mallik - Google Scholar	
ORCID ID	0000-0001-8170-0137	
Awards/ Recognitions	Awarded VLRIIOUS Fellowship, Belgium to attend 3 months training programme on fish health management conducted by Ghent University, Belgium during September –December 2016	
Publication (no.)	<ul style="list-style-type: none"> • Research papers: 25 • Reviews: 1 • Books: NIL • Book Chapters:02 • Popular articles:02 • Others: NIL 	



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Projects (Institutional/ External)

Ongoing

- Network Programme on antimicrobial resistance in fisheries (NP-AMR): 2020-2025, Status: Project Investigator, Indian Council of Agricultural Research (ICAR) – FAO programme.
- All India Network Project on Fish Health (AINP-FH):2020-2025, Status: Project Investigator.
- Genome editing in common carp, *Cyprinus carpio* using CRISPR/Cas9 system : 2019-2022: Status: Co-Project Investigator

Completed

- Development of Bacterial bioremediation measures for the mitigation of microalgae blooms in freshwater aquaculture ponds: 2014-2017, Status: Co-Project Investigator, sponsored by Department of Biotechnology (DBT), India.
- Evaluation of Genetic toxicity & Ecological damage caused by coalmines on fish fauna of Simsang River, Garohills, Meghalaya and development of microbial bioremediation measures: 2012-2015, Status: Co-Project Investigator, sponsored by Department of Biotechnology (DBT), India.
- Development of anti-infective synthetic peptide against *Lactococcus garviae* & other pathogenic bacteria isolated from rainbow trout, *Oncorhynchus mykiss*: 2018-2020, Status: Project Investigator, ICAR Extramural Project, India.
- Potential bacterial pathogens from rainbow trout fish farm of northern India and maintenance of bacterial agents: 2011-2017: Status: Co-Project Investigator

Important Publications

- Sumanta K Mallik., Nupur Joshi., Neetu Shahi, Krishna Kala., Shivam Singh et al., 2020. Characterization and pathogenicity of *Aeromonas veronii* associated with mortality in cage farmed grass carp, *Ctenopharyngodon idella* (Valenciennes, 1844) from the Central Himalayan region of India. Antonie van Leeuwenhoek. <https://doi.org/10.1007/s10482-020-01478-3>.
- Sumanta K Mallik, Neetu Shahi, Nupur Joshi, Krishna Kala, Suresh Chandra, Debajit Sarma (2019). The emergence of zoonotic *Fusarium oxysporum* infection



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in captive-reared fingerlings of golden mahseer, *Tor putitora* (Hamilton, 1822) from the central Himalayan region of India. *Transboundary and Emerging Diseases*. DOI: 10.1111/tbed.13367.

Other information's

Patent:

Application number: 202011057122; Dated 30-12-2020, Type India Patent

Title "Composition, protocol and diagnostic kit for detection of bacterial pathogen *Lactococcus garvieae*"

Product developed for commercialization

- Aqua FSD
- DCFR Lg diagnostic kit for detection of bacterial pathogen *Lactococcus garvieae*