

SURAJ KUMAR SINGH

ASSISTANT PROFESSOR

Passionate and experienced Assistant Professor with over eight years of expertise in the field of academics, research and development. Skilled in creating and managing research projects, analysing data effectively, and promoting sustainable aquaculture practices. The main goal is to contribute to the growth of the aquaculture industry in Nepal by conducting innovative research and engaging with the local community.

CONTACT

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Biratnagar-13, Koshi
Province, Nepal

EDUCATION

2014 - 2019

AGRICULTURE AND FORESTRY
UNIVERSITY

FACULTY OF VETERINARY,
ANIMAL SCIENCE AND FISHERIES
Chitwan, Nepal

- MSc. Fisheries

2011 - 2014

TRIBHUVAN UNIVERSITY
Institute of Agriculture and
Animal Science
Paklihawa, Nepal

- BSc. Agriculture

LANGUAGES

- Nepali: Native
- Hindi
- English: Fluent
- IELTS Score: L 8, R 8, S 7, W 6.5, Overall 7.5

WORK EXPERIENCE

Institute of Agriculture and Animal Science JULY, 2025 - PRESENT
Gauradaha Agriculture College
Assistant Professor

- Enhanced students aquaculture capabilities through formal lectures, trainings, workshops and seminars.
- Published 10+ articles in high impact aquaculture and fisheries journal

Government Of Nepal NOV, 2015 - JULY, 2025
Nepal Agricultural Research Council
Technical Officer

- "Interspecific hybridization between *Clarias batrachus* (Linn.) x *Clarias gariepinus* (Bur.) and performance assessment of its offspring in captive condition.'
- Morphometric and genetic variation of rainbow trout of Nepal.
- Acidification with enzymatic supplementation in fish feed.
- Supplementation of plant extract in rainbow trout feed for growth and immunological responses.
- Natural carotenoid supplementations in feeds.
- Domestication and artificial breeding in captive conditions of warm water indigenous fish species in Nepal.
- Development of biofloc technology in Nepalese condition.
- Live feed integration on the survivability of pangas in the larval stage.

TRAININGS

- "Basic molecular training on DNA extraction, PCR amplification, gel electrophoresis and data interpretation" organized by the Center for Molecular Dynamics, Kathmandu, Nepal.
- "Statistical analysis and technical paper writing" organized by Nepal Animal Science Research Institution, Kathmandu, Nepal.
- "Statistical analysis and low feed cost feed formulation for different livestock species training for project officer" organized by Nepal Animal Science Research Institution, Kathmandu, Nepal.
- "Advance R-stat Training for statistical analysis" organized by Nepal Animal Science Research Institution, Kathmandu, Nepal.

RESEARCH INTEREST

- Sustainable Aquaculture Practices
- Fish Breeding and Genetics
- Fish Nutrition and Feed Development
- Fish Health Management
- Climate Change and Aquaculture
- Community-Based Aquaculture
- Innovations in Aquaculture Technology

SKILLS

- Aquaculture Systems Design
- Fish Breeding and Genetics
- Water Quality Management
- Data Analysis and Statistical Software (R, SPSS)
- Project Management
- Scientific Writing and Publication
- Community Engagement and Training
- Laboratory Techniques in Aquaculture

MEMBERSHIPS

- Nepal Fisheries Society, Member, 2015 - Present
- Society of Agricultural Scientists Nepal, Member, 2020 - Present

PUBLICATIONS

- **Singh, S. K.**, Jha, D. K., Pandit, N. P., Pradhan, N., & Timalisina, P. (2020). Effect of Dietary Inclusion of Stinging Nettle (*Urtica parviflora*) on Growth and Immunological Responses of Rainbow Trout Fry. *National Journal of Life Sciences*, 17(1): 25-32.
<https://doi.org/10.51365/NJLS.2020.v17i01.005>
- **Singh, S. K.**, Bhandari, M. P., & Timalisina, P. (2020). Effect of Dietary Inclusion of Citric Acid with Phytase as Supplement on Growth Responses of Rainbow Trout. *Turkish Journal of Agriculture - Food Science and Technology*, 8(11): 2355-2360.
<http://dx.doi.org/10.24925/turjaf.v8i11.2355-2360.3574>
- **Singh, S. K.**, Bhandari, M. P., & Timalisina, P. (2021). Effect of dietary supplementation of carotenoids on growth performance of rainbow trout (*Oncorhynchus mykiss*, Walbaum) in Rasuwa, Nepal. *Nepalese Journal of Agricultural Sciences*, 21: 75-85.
- Gurung, S., **Singh, S. K.**, & Bhattarai, S. (2016). Study the Status of Fish Farming in Shiktahan VDC of Rupandehi District of Nepal. *Global Journal of Biology, Agriculture & Health Sciences*, 5(3): 60-74.
- Gurung, T. K., Nepal, A., Baidya, A., Thapa, A., **Singh, S. K.**, Timalisina, P., & Roy, N. K. (2017). Farm-Made Fish Feed in Nepal: Moist Ball to Dry Pellet. Farm-made Aquafeeds: Opportunities, Challenges and Policy Intervention. SAARC Agriculture Centre (SAC), South Asian Association for Regional Cooperation. 168-180.
- Timalisina, P., Gurung, B., Thapa, R., Kunwor, P., Rayamajhi, A., Pradhan, N., Bhandari, M., **Singh, S. K.** & Sharma, A. (2022). Tail and fin rot disease and antibiotics resistance pattern in major rainbow trout farms of Nepal. *International Journal of Fisheries and Aquatic Studies*, 10(1),33-37.

For more <https://www.researchgate.net/profile/Suraj-Singh-37>

REFERENCES

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