

CURRICULUM VITAE

Ravi Bhatta,
Graduate Research Assistant,
Kentucky State University,
Department of Aquaculture/Aquatic Science
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PERSONAL

Born: 22 May 1997

LANGUAGES

Fluent in Nepali (native speaker) and English
Hindi (reasonable reading and speaking)

HIGHER EDUCATION

(2022- Current) Master in Aquaculture

Kentucky State University
Department of Aquaculture/Aquatic Science
Research topic: Dietary Lysine Requirement of
Juvenile Largemouth Bass (*Micropterus nigricans*)
Key coursework: Fish genetics, Statistics,
Advanced Fish Nutrition, Water Quality
Management, Fish Disease, Aquaponics

(2020- Current) Master in Aquaculture

Tribhuvan University,
Department of Aquaculture
Research topic: Effect of Moringa (*Moringa oleifera*)
Leaf Supplementation Diet on the Biological
Parameter of Monosex Tilapia (*Oreochromis niloticus*)
in Cage Culture
Key coursework: General Biochemistry, Water Quality
Analysis, Aquatic Animal Health Management,
Aquatic Nutrition,

2015-2019 Bachelor of Science

Institute of Agriculture and Animal Science (IAAS)
Dang, Nepal. Department of Agriculture
Research topic: Response of Local Potato Cultivars
to Late Blight Disease (*Phytophthora infestans*
(Mont.) de Bary) under Field Conditions.
Key coursework: *General Biochemistry,*
Agricultural Microbiology, Population Genetics,
Plant Breeding, Plant Pathology, Animal Nutrition,
Ruminant Production, Nutrient Management,
Horticulture Crop Production, Crop Disease and
Their management, Introductory Biotechnology and
Biodiversity, Aquaculture

PROFESSIONAL POSITION

2022- Current

Graduate Research Assistant, Kentucky State
University Department of Aquaculture/Aquatic
Science *Responsibilities: Aquatic Nutrient research*
trials in Fish and Shrimp, assist production of
sustainable and economic aquatic feed, Data
analysis, manuscripts publication, participation at
seminars, symposiums, and conferences

2019-2022

Graduate Research Assistant, Tribhuvan University,
Institute of Agriculture and Animal Science (IAAS)
Responsibilities: Conduct Nutrient research trials
in Fish, Data analysis, manuscripts publication,
and participation at seminars, symposiums, and
conferences

2015-2019

Undergraduate Research Assistant, Institute of
Agriculture and Animal Science (IAAS), Nepal.
Department of Agriculture, *Responsibilities:*
conducting field and laboratory experiments, Data
collection and analysis, Assisting in drafting sections
of research papers, and participation at seminars,
symposiums, and conferences

PROFESSIONAL EXPERIENCE

- Working as a member of the United States Aquaculture Society (Student Sub-Unit) (from 2022).
- Worked as an Instructor on government school (9-12grade), Shree Kalika Secondary School, Indrasorawar-04 Makwanpur, Nepal. (2020)
- Worked as Extension Research coordinator at Shree Kalika Secondary School, Indrasorawar-04

Makwanpur, Nepal (2020)

- Worked as a trainer on Raceway culture techniques of Rain Bow Trout in Hilly Regions of Nepal for farmers in Indrasorawar-04 Makwanpur, Nepal (2020)
- Work as a trainer on Compost Preparation and Its Advantages in the Agriculture of farmers in Makwanpur (2020)
- Worked as a part-time Plant Pathology Instructor on CTEVT at Tikapur Polytechnic Institute, Tikapur-Kailali, Nepal (2019).
- Worked as a trainer on the Live Fish transport training program for farmers in Tikapur (2019)

TRAINING

- Water Education Training organized by Kentucky State University, July 2nd, 2024
- Three-day 'Public Speaking Seminar and Workshop' organized by UNCON, Aug 22-24, 2020
- Seven days of training in 'Biofloc fish farming technology' organized by Mandal Hatchery Farm, Rupandehi Nepal. September 21-27, 2020
- COVID-19: Operational Planning Guidelines and COVID-19 Partners Platform to Support Country Preparedness and Response, World Health Organization (WHO), The Health Emergencies Program, March 31, 2020
- Integrated Pest Management: eight-week online course offered by ag MOOCs; Indian Institute of Technology, Kanpur; National Mission on Teachers and Teaching; Commonwealth of Learning, Canada: June 30, 2020

PROJECTS / TRIALS

- Dietary Lysine Requirement of Juvenile Largemouth Bass (*Micropterus nigricans*)
- Assessment of Apparent Digestibility Coefficient of Hemp Seed meal in Largemouth Bass (*Micropterus nigricans*) at Nutrition Lab of Kentucky State University, Frankfort, Kentucky
- Effect Of Moringa (*Moringa oleifera*) Leaf Supplementation Diet on Biological Parameter of Mono Sex Tilapia (*Oreochromis niloticus*) In Cage Culture at Aquaculture Farm of Institute of Agriculture and Animal Sciences, Paklihawa, Rupandehi (ongoing to publish)
- Response of Local Potato Cultivars to Late Blight Disease (*Phytophthora infestans* (Mont.) de Bary) under Field Conditions (Published, 2020)
- Cultivation Practices of Pleurotus at the Institute of Agriculture and Animal Science. Dang, Nepal.
- Micronutrient Application and Different Doses of Fertilizer on Yield Attributing Character of Black Gram (*Vigna Mungo*) at IAAS, Prithu Technical College Farm

TECHNICAL EXPERIENCES

- Design, conduction, data collection, statistical analyses, and record-keeping of different research experiments
- Manipulation of feed ingredients, formulation and manufacture of fish and shrimp diets, animal husbandry, maintenance of culture systems, and water quality control protocols/equipment
- Experimental designs: complete randomized, complete randomized block, generalized randomized block, and factorial
- Statistical analysis software (R Studio, SPSS), Microsoft Office package, and Concept5 feed formulation software
- Operation of analytical lab technology, microbial culturing, ELISA, DNA extraction and handling of equipment

including bomb calorimeter, automated protein analyzer (Leco®), and spectrophotometer.

- Enzyme activity: digestive enzyme assays including activity of pepsin, trypsin, chymotrypsin, amylase, lipase, aminopeptidase, and phosphatase

APPRECIATION AND ACHIEVEMENTS

- Poster Presentation at World Aquaculture Society, 2024
- Oral presentation at Kentucky Academic of Science, 2023
- Poster Presentation at World Aquaculture Society, 2023
- Oral presentation at Institute of Agriculture and Animal Sciences, Nepal, February 2022
- Academic Excellence Award, Prithu Technical College, 2019
- Merit Student Scholarship, Alliance Academy, 2014. (\$200/year)

PUBLICATIONS AND PRESENTATIONS

Bhatta, R., Pandit, R., Bhusal, P., Acharya, B., Subedi, S., & Shrestha, J. (2020). Response of Local Potato Cultivars to Late Blight Disease (*Phytophthora infestans* (Mont.) de Bary) under Field Conditions. *Agro Bali: Agricultural Journal*, 3(1), 28- 37. doi: <https://doi.org/10.37637/ab.v3i1.464>

“Effect Of Moringa (*Moringa oleifera*) Leaf Supplementation Diet on Biological Parameter of Mono Sex Tilapia (*Oreochromis niloticus*) In Cage Culture” Presented at Institute of Agriculture and Animal Sciences, Tribhuvan University, Nepal, February 2022

“Assessment of Apparent Digestibility Coefficient of Hemp Seed Meal in Largemouth Bass (*Micropterus nigricans*)” Presented at Kentucky Academy of Science (KAS), Northern Kentucky University, November 2023

“An Assessment of the Dietary Available Lysine Requirement for Largemouth Bass, *micropterus nigricans*” Presented at Kentucky Academy of Science (KAS), Kentucky State University, November 2024

References:

Waldemar Rossi, Jr. Ph.D

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