

## CVS OF ALL CAARP EXPERTS

### 1. **Madhav K Shrestha, PhD**

Professor (Retired), AFU

Chair, Center for Aquaculture-Agriculture Research and Production (CAARP)

Madhav Shrestha obtained his M.Sc. Zoology degree from Tribhuvan University (TU) Nepal in 1979, M.Sc. Aquaculture in 1989 and Doctor of Technical Science (Ph.D.) in 1994 from Asian Institute of Technology (AIT) Thailand. He was post-doctoral research fellow for 1996-1997 at AIT. He has a professional carrier of more than 45 years as a faculty of aquaculture and fisheries including 4 years' experience as government fisheries officer working in government fish farm. He served as faculty member at Institute of Agriculture and Animal Science (IAAS), TU from the position of Assistant Lecturer to Professor of Aquaculture from 1979-2012, and Professor at Aquaculture and Fisheries Program of Agriculture and Forestry University from 2012-2017. During his university tenure, he has served as Department Chair, Research Director of IAAS/TU, Coordinator of Post Graduate Studies AFU. He also served as a President of Nepal Fisheries Society (NEFIS). He has supervised over 45 graduate students as major adviser and committee member. He has over 100 publication (journals papers, proceeding papers, books and book chapters) in the field of aquaculture.

He has handled several research projects: AquaFish Innovation Lab, AFU-UM Collaborative Project USAID Funded; AquaFish CRSP, IAAS-UM Collaborative Project USAID Funded; AquaFish CRSP, IAAS-SOU Collaborative Project, USAID Funded; Aqua-Fish Collaborative Research IAAS-SFU Collaborative Project, USAID Funded; Aquaculture CRSP, IAAS-AIT Collaborative Project USAID Funded; PD/A CRSP, IAAS-AIT Collaborative Research Support Program, USAID Funded; Agriculture and Nutrition project World Fish funded; Decentralised (fish) Seed Production Project, Asian Innovation Challenge Fund, DFID Funded; Aquaculture without Frontier (AwF) project phase I & II); National Agricultural Research and Development Fund (NARDF) funded projects; Asia-Link Project of AIT Thailand (phase I & II), funded by European Commission; Women in Aquaculture in Nepal (phase I & II), IAAS-AIT Collaborative Project, WDP-German Committee Funded.

He has served as Aquaculture Expert consultant for: Save the Children International; Paani Project USAID, Netherlands Development Organization (SNV), Nepal;. WorldFish, Penang, Malaysia; IDE Nepal; Bird Conservation Nepal (BCN) Nepal; Elam Plus/Helvetas Nepal; Agriculture Projects Services Center (APROSC), Nepal; Plan Nepal.

## 2. Ram C. Bhujel, PhD

Research Associate Professor

Director, Aqua-Centre, Asian Institute of Technology, Bangkok, Thailand

Ram completed MS (1994) & PhD (1999) from the Asian Institute of Technology (AIT), Thailand where he serves as Research Associate Professor and Founding Director of Aqua-Centre. He has been teaching and supervising post-graduate students since 2005. He was a post-doc visiting fellow at the University of Stirling, UK in 2000 & 2001 and at the University of Montpellier III, France in 2012. Ram is a sole author of books “**A Manual for Tilapia Business Management**” published by CABI, UK, and “**Statistics for Aquaculture**” by Wiley/Blackwell Science in collaboration with American Aquaculture Society. He has also published over 100 scientific papers and chaired several international conferences/seminars worldwide.

He has led EU funded curriculum development program for aquaculture in Asia beginning with the project “Improving Master’s Degree level education in Aquaculture and Aquatic Resources Management in Cambodia, Nepal and Vietnam” during 2005-2008 partnering with University of Stirling (UK), Univ. of Aveiro (Portugal), Royal Univ. of Agriculture (Cambodia), IAAS (Nepal), University of Forestry and Fisheries (Ho Chi Minh, VN), Research Aquaculture No. 1 (Hanoi, VN). Following up with this project, he designed and implemented, “**Linking the post-graduate education in aquaculture and aquatic resources management with its industries through internship program**” funded by EU under Asian Link programme, during Sept 2007 – Aug 2010 supporting over 100 students as well as teachers. He represented Asia for an EU project called “SARNISSA (Sustainable Aquaculture Research Network for Sub-Saharan Africa)” through which aquaculture technologies are being transferred between Asia and Africa.

Ram plays an important role in promoting sustainable aquaculture and fisheries to ensure adequate supply aquatic food to the people. Competing globally, he again won a funding for the project “**Curriculum Development for Sustainable Seafood and Nutrition Security**” from EU Erasmus+ programme. Nine MSc curricula were developed. The project established/strengthened and nine sustainable seafood centres and launched innovative MSc programs in partner universities in Indonesia, Thailand, and Vietnam in collaboration with four European partners from Greece, Norway and UK.

He also coordinated a USAID project called, “Agriculture Learning Exchanges for Asia Regional Networking (AgLEARN)” as Deputy Chief of Party (2013-2016, budget approx. 1m USD). With this project, innovative agricultural technologies were transferred from Thailand to food deficit communities in Bangladesh, Cambodia and Nepal; three districts in each of these countries. He has been securing funds for research from EU companies e.g. Biomin, Delacon, Patent, Lucta etc. He has been designing and implementing several aquaculture training courses since 2011 attracting >700 senior officials worldwide. He designed Women in Aquaculture (WiA) program for Nepal, launched during 2000-2010 which became the most successful model project. He also designed and successfully launched a community development project in 11 rural villages of Myanmar funded by the Foreign Affairs Ministry of Italy with the goal to reduce poverty by developing entrepreneurship in women (eWomen).

He served as one of the members of the global team of evaluators of the AAS (Agriculture and Aquatic Systems) programme of the CGIAR. He has gained an extensive practical experience working with FAO/UN (e.g. the Philippines & Zambia), WorldFish (Timor Leste), NACA (Nepal), USDA (Pakistan), US Soybean Export Council (Myanmar), NEPAD (Africa), SPC (Fiji) and several private sectors. He has been awarded a **GOLD MEDAL** by Asian Fisheries Society (AFS) in 2009. His main mission to help achieve food and nutrition security, poverty reduction and employment creation

### **3. Jay Dev Bista**

Senior Scientist (Retired), NARC

Board Member, Center for Aquaculture-Agriculture Research and Production (CAARP)

Bista has completed Master of Science M.Sc. Zoology (Fish and Fisheries) from Kumaun University Nainital, UP, India. 1980. Bista has more than 33 years of experience in aquaculture and fisheries research and development in Nepal. He has work experience in women group mobilization and participatory research in cage fish farming, open water fisheries management and biodiversity conservation in lakes and reservoirs and conservation of natural aquatic resources and sustainable use for livelihood of fisher folk particularly women and deprived communities. Conservation, domestication, propagation and culture methods of indigenous fish species. He has implemented USAID funded many research projects under HARP (Hill Agricultural Research Program) and Government funded under NARDF (National Agriculture Research and Development Fund) as a project coordinator. Bista has played an important role as a head of Research center in implementation of JICA (Japan International Cooperation Agency) funded project NWFDP (Natural water Fisheries Development Project) mainly focuses on empowerment of fisher communities living around lakes of Pokhara valley.

Bista has successfully implemented FAO/TCP project on Genetic improvement of carp species in Nepal. He has organized and facilitated some workshops on Biodiversity conservation, lake resource management, cage fish and rice fish farming in collaborations with women groups, rural youth. Working experience with Muktkamaya (freed labor) and rural youth. Experience in project planning monitoring and evaluation, training to farmers, technician and trainers training. He has published some manuals, booklets, practical guide on cage fish, rice fish culture and breeding of carps in Nepali and English.

He has been teaching and supervising graduate and post-graduate students since 2014 as an Adjunct under Agriculture and Forestry University Rampur, Nepal. He has gained practical experience on Fish Nutrition and Intensive Aquaculture during training in Japan, USA and Israel. He has got opportunity to present research papers in international forums of Australia, USA, Thailand, Indonesia, Malaysia, Cambodia, Bangladesh and Bhutan. Presently Bista is an active member of Center for Aquaculture Agriculture research and production specially working on fish breeding activities.

#### **4. Arun Prasad Baidya, PhD**

Retired Scientist, Nepal Agricultural Research Council (NARC)

Arun completed his MSc in Zoology (Fish and Fisheries) in 1983 from Tribhuvan University (TU), Kirtipur, Kathmandu, Nepal. He then pursued a PhD in Aquaculture, specializing in Hatchery Management, which he obtained in 2004 from Universiti Malaysia (UMS), Sabah, Kota Kinabalu, Malaysia.

He began his career as a Fisheries Development Officer at the Fisheries Development Centers in Fattepur, Saptari, and Hetauda, Makawanpur, under the Fisheries Development Division (FDD) of the Department of Agriculture. He served in this role for approximately nine years, from February 1985 to November 1993, focusing on broodstock, nursery, rearing, and hatchery management of various fish species.

From December 1993 to August 2018, Arun worked for the Nepal Agricultural Research Council (NARC) in various capacities at different fisheries research stations across Nepal. He started as a Technical Officer (T6, Fisheries) at the Fisheries Research Station, Godawari, Lalitpur. In August 2012, he was promoted to Scientist (S2, Fisheries) in Fisheries and Aquaculture Research, where he continued his work until August 2018. During this time, he also served as the Coordinator and Station Chief of the Kali Gandaki Fish Hatchery in Beltari, Syangja (Joint Project of NARC and Nepal Electricity Authority NEA), and as the Station Chief at the Rainbow Trout Fishery Research Station in Dhunche, Rasuwa. His work mainly involved broodstock, nursery, rearing, and hatchery research for various fish species.

Arun has received several specialized training programs, including an Officer Level Fisheries Training (1986, 4 weeks) and a Refresher Course (1991, 2 weeks) in Nepal. He also completed an Integrated Fish Farming Training in China (1992, 3 months) and a Fish Breeding Technique Training in Japan (1999, 4 months).

From July 2019 to March 2023, Arun served as a Research Center Technical Expert at the Aquaculture Research Center, PT Suri Tani Pemuka (STP, JAPFA) in Banyuwangi, Indonesia. In this role, he contributed to research on broodstock management, artificial propagation, and seed production of both freshwater and marine fish species, including Tilapia, Pangasius catfish, African catfish, Bicolor eel, Asian Seabass, and Grouper.

In addition, Arun has been serving as an Adjunct Professor at the Faculty of Veterinary Science and Fisheries, Agriculture and Forestry University (AFU), Rampur, Chitwan, since 2015. In this capacity, he has been actively involved in teaching and supervising graduate students.

Throughout his career, Arun has published more than 50 scientific papers in national and international journals, proceedings, manuals, and conference/workshop papers on subjects including broodstock management, artificial propagation, and seed production of indigenous and exotic fish species, conservation, and mitigation programs.

## **5. Rabindra K. Batajoo**

Government Fisheries Officer (Retired)

Board Member, Center for Aquaculture-Agriculture Research and Production (CAARP)

Rabindra Batajoo completed his B.Sc. Agriculture degree in 1980 and M.Sc. Aquaculture degree in 2004 from Institute of Agriculture and Animal Science (IAAS), Tribhuvan University, Nepal. He has attended several technical and management related training in aquaculture and agriculture field. Training completed are: Integrated Fish farming, April- August 1988, Wuxi, China; Program planning, monitoring and evaluation (officer level) for decentralized agriculture and livestock service, 1 month 1995, APROSC Kathmandu, Nepal; Program planning and management, April-May 1998, Central Agriculture Training Centre, Department of Agriculture, Lalitpur, Nepal; Statistical Method for Agriculture Research Management, 3-17 May 1994, Graduate Training Institute (GTI), Mymensing, Bangladesh; Basic Fish Disease Diagnosis- AEAADCP and AAHRI, 17 May - 11 June 2001, Bangkok, Thailand; Fisheries and Aquaculture Seminar in KL, Malaysia.

Rabindra's professional experiences are: Asst. Livestock Development Officer, May 1982- August 1988; Asst. Fisheries Development Officer, August 1988- 2005; Fisheries Development Officer 2005-2009. During the period, Rabindra served in Agricultural Extension Offices, Fisheries Development Division, Chief of different Fisheries Development Centers (Government Fish Farms) in Nepal. He has a very good skill in Fish breeding and Hatchery Management. Currently, he is a board member of CAARP and involved aquaculture program.

## **6. Kiran K. Amatya**

Freelancer

Board Member, Center for Aquaculture-Agriculture Research and Production (CAARP)

Kiran completed B.Sc. Ag in 1985 with major livestock and MA Sociology in 1995 from Tribhuvan University. He has more than 35 years working experience in field of community development specially income generation, agriculture cooperative and entrepreneurship development of community to improve their livelihood. During working period, he had a leading responsibilities in most of organizations.

He has received different training for knowledge and skill development in the field of agriculture production, planning and management. Some important training are: “Trainers on Training”, “Trainers on training on agriculture planning”, “Project formulation”, “Permaculture Design Course” etc.

He has also good knowledge and skill on training delivery, base line survey, monitoring and evaluation of projects. He is one of the inventor and applier member of sustainable agriculture and Permaculture in Nepal. He is initiator of riverbed farming in Nepal after devastating water induced disaster in 1993 in different districts of country and working for agriculture production at disaster prone areas land with intervention of vegetable, fruits, cereal, beans, livestock and fish farming.

He has travel and visited 67 districts of country to implementation of program, delivery training, baseline survey and monitoring and evaluation of different project funded by government, I/NGOs and multilateral organizations. He has also visited Bangladesh, India, Japan and Australia to gain knowledge and skill on permaculture, agriculture based income generation and farming at flood prone areas.

He authors many technical and social articles in different magazine and books. Among them one of the research article published in Asian Fisheries Science Special Issue 30 S (2017): 327-332. He is joint author of book ‘Digo Krishi Gyanmala’ based on outcomes of field level practical experiences of all ecological regions of country with financial support from GEF/SGP/UNDP for grass root level farmers and technicians.

**7. Name: Nayana Raj Sharma Nepal**

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Academic Qualification: Master of Business Administration and Bachelor of Law From TU

**Job and Responsibilities and Experiences**

1. Lecturer At Shaheed Smriti & Saptagandaki Multiple College with Responsibilities of cultivated critical thinking skills through challenging assignments; evaluating student progress, providing feedback for improvement and growth; developed strong relationship with colleagues and sharing best practices in teaching strategies.
2. Account Manager at Pancharatna Feed and Hatchery with responsibilities of managing a diverse portfolio of accounts, ensuring timely communication, and effective problem resolution; conducted account reviews to identify areas for improvement and ensure continued success
3. Registered Auditor or/Proprietor at Nayan Raj & Company with responsibilities of evaluation of financial records to ensure compliances, with regulatory standards; improving accuracy in financial reports by implementing audit procedures; Analyzing company policies to ensure adherences to financial regulations; detection of potential fraud by scrutinizing financial transactions; collaborating with management to develop corrective action plans, improve internal control, insuring financial stability, etc.
4. Chairman at Adventure English School and Hamro Chitrawan Cooperative Society as well as Member of Board of Directors at Hotel River Crown Pvt.Ltd., Sunsari Poultry Pvt. Ltd., **CAARP Pvt. Ltd.** With responsibilities of enhancing company performances through strategic decision making and active involvement in executive discussion; developing strong relationship with key stakeholders; reviving organizational structures regularly, identifying opportunities for improvement in efficiency and effectiveness; collaborating with fellow directors to develop long term strategies.