

Personal Details

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Current Address	: Mahalaxmi municipality-04, Imadol, Lalitpur
Permanent Address	: Ishnath municipality-02, Auraiya, Rautahat
Nationality	: Nepalese
Language Proficiency	: Nepali, English, Maithili, Bhojpuri, Bajika, Hindi, etc.

Academic Education

- MS degree in Dairy Science & Technology, USA
- BS Degree in Veterinary Science (B. V. Sc. & A. H.), Nepal

Five Key Areas of Expertise

1. Livestock/Dairy/Poultry Value Chain
2. Research and Development in Livestock and Dairy Sector
3. Dairy Cooperatives Promotion and Management
4. Climate Resilience Practitioner/Climate Smart Farming
5. CS GDHP Trainer

Current Affiliation

- Working as the **Project Coordinator cum Technical Expert** for the Milky Way project of Heifer Nepal at CDCAN, New Baneshwor Kathmandu, Nepal
- **Expert Board Member** at National Dairy Development Board (NDDB), Harihar Bhawan Lalitpur, Nepal
- **Executive Committee Member and Editor in Chief**, Nepal Dairy Science Association (NDSA), Kumaripati, Lalitpur Nepal

Professional Involvement

- Worked as a dairy value chain expert (Research & study works, Feasibility and market study, Formulation of dairy development plan)
- Worked as the dairy training consultant for the project titled “Climate-resilient practices & financial literacy program for dairy farmers” organized by ALOI & CDCAN Kathmandu, and supported by GSMA, UK International Development, Sweden Sverige.

- Worked as a program manager for the project titled: Increasing the resilience of dairy farmers by employing climate-smart dairy farming practices”. It is a project of forest and farm facility (FFF) in partnership with FAO, IUCN, iied, and AGRICORD.
- Worked as the training consultant for TOT on “climate adaptation & resilience practices for dairy farmers” of CASA program (Swiss contact).
- Worked as the training consultant for “climate smart dairy farming” for the dairy farmers of Heifer International Nepal.
- Worked for CASA as the climate expert consultant to develop curriculum & materials on climate adaptation & resilience practices for dairy farmers
- Worked as the team leader for “Need assessment survey of cooperatives & farmers affiliated with CDCAN under Milky way project”.
- Worked as a dairy expert team member of MoALD study team for “study for overall reform of DDC”, Lainchour, Kathmandu.
- Worked as a peer reviewer for a full dairy proposal submitted to REED project of MoALD, Harihar bhawan Lalitpur
- Worked as a subject matter specialist (SMS) at Nepal Veterinary Council (NVC) to review dairy science & technology curriculum of the BVSc & AH program.
- Worked as a dairy expert board member at DDC, Lainchour, Kathmandu
- Worked as a dairy trainer for livestock services training center, Lagankhel, Lalitpur.
- Worked as a dairy trainer for the dairy farmers of Lalitpur.....organized by Lalitpur DMPCU and financially supported by Bagmati pradesh cooperative development board
- Worked as the marketing consultant (dairy) for Kamdhenu dairy development cooperative, Itahari-01, Sunsari. It is through CASA project of Swiss contact Nepal.
- Worked as the peer reviewer of full dairy proposals submitted to NLSIP project
- Worked as the team leader for “study on cost of milk production in Nepal” for NDDB.
- Worked as a dairy expert for CECI Nepal, a Canadian NGO.

Responsibility:

- Climate-Smart Good Dairy Husbandry Practices (CS GDHP) training program for dairy farmers. The topics include-
 - ✓ Feeds & feeding management of dairy animals
 - ✓ Disease control strategies
 - ✓ Farm & shed management
 - ✓ Clean milk production technique
 - ✓ Sanitation and cleanliness of shed, dairy animals, utensils, environment.
 - ✓ Antibiotic residues & its withdrawal period in milk
 - ✓ Common diseases of dairy animals affecting milk quality and production
 - ✓ Breeds & breeding management of dairy animals
 - ✓ Milk-borne zoonotic diseases
- Conduct training program for dairy cooperative processors on-
 - ✓ Transportation, handling & storage of raw milk
 - ✓ Quality maintenance of milk & dairy products manufactured
 - ✓ Products diversification
 - ✓ Sales & marketing strategy development
 - ✓ Develop flyer, brochures, dealer board, etc.
- Conduct awareness program for consumers on-
 - ✓ Health benefits of milk & dairy products

- ✓ Conduct an awareness program for newly manufactured dairy products for the targeted consumers.
- TOT on reduction in cost of milk production
- Worked at different capacities of sales and marketing department for different pellet feed mills, including Shakti feed, Vijay feed, etc.
- Worked at different capacities for different INGOs, including FAO Nepal, Heifer Nepal, & international training consultant for goat farmers at GALVmed India, Aloi, etc.

Study Report & Article Published

- **जलवायुपैत्री दुग्ध पशुपालन व्यवसाय (Nepali Version)**
https://taksarnews.com/2025/05/48625/?fbclid=IwY2xjawJ_36JleHRuA2FlbQIxMQBicmlkETFqZGtFU1pleEtGQVFhVmFzAR4POQ9-n3nKsft3swxk3M_RRr7s5xvZDwYV5vteFeJgoOKbeDRqOtCiY1TRAa_aem_dHtmLT CiSr4YE2WGCaKXw
- Lactose intolerance in human beings
<https://www.fiscalnepal.com/2022/04/06/8421/lactose-intolerance-in-human-beings/>
[https://epaper.gorkhapatraonline.com/pdf?file=%2Fuploads%2Ffile%2F2022%2F4%2Ffriday-suppliment%2F2022-04-08-12-28-12-friday-pdf-\(2\).pdf&fbclid=IwAR0q9QPK8BYE3aCKyEYh1sAWLxm3IG4E4Wt-KQsX92yFgv-fXEynZOxHH_4#page=1&zoom=90,-67,580](https://epaper.gorkhapatraonline.com/pdf?file=%2Fuploads%2Ffile%2F2022%2F4%2Ffriday-suppliment%2F2022-04-08-12-28-12-friday-pdf-(2).pdf&fbclid=IwAR0q9QPK8BYE3aCKyEYh1sAWLxm3IG4E4Wt-KQsX92yFgv-fXEynZOxHH_4#page=1&zoom=90,-67,580)
- Worked as the team leader for “study on cost of milk production in Nepal” FY 2077/78 for NDDB.
<https://nddb.gov.np/storage/uploads/abrdRmdP7Y6r0yOM8g0nuNYBm5kM9IqE7qvYs9fQ.pdf>
- **Gupta, B.P.**, A. Siddique, J.O. Jones and Y.W. Park. 2016. Cholesterol concentrations and lipolytic characteristics of commercial bovine and caprine milk yogurts during four weeks refrigerated storage. J. Adv. Dairy Res. 4:2: 1000155.
<http://dx.doi.org/10.4172/2329-888X.1000155>
- McGhee, C. E., **B.P. Gupta** and Y.W. Park. 2015. Evaluation of total fatty acid profiles of two types of low-fat goat milk ice creams. Open J. Animal. Sci. 5:21-29. 10.4236/ojas.5.2015 https://www.scirp.org/pdf/OJAS_2015010716241900.pdf

Climate Change Participation

- A 3-day ICA-IN conference on climate response, innovation and prosperity in Kathmandu.
- A 4-day “International training on climate action” in Kathmandu----organized by Sipshala-The Skill Hub, Youth Development Center (YDC) & Land Our Future (LOF)
- 2-day workshop of south & southeast Asia, regional research, & innovation hub for climate change, health and equity on “connecting the dots between climate change, health & equity” in Kathmandu...organized by ICIMOD, NHRC of MoHP
- MOOC on “National adaptation plans: building climate resilience in agriculture”
- E-learning course on “Net zero 101: What, Why & How?”
- EnviPol certificate workshop on climate change.

Workshop Participation

- “Delivering for Nutrition in South Asia: Towards impact at scale” Dec 2-4, 2025, Kathmandu
- Stakeholder consultation workshop on the CGIAR Country Strategy Framework (CSF) in Nepal organized by MOALD and IWMI in Kathmandu
- Portfolio25 Consultative Listening Sessions in Nepal.....organized by CGIAR & IWMI
- A National Level Workshop on GMP jointly organized by CDCAN & CASA Project.
- National Workshop on Sustainable Dairy Sector Development in Nepal...organized by ADRA Nepal and DLS
- Climate Smart Dairy Farming Project with an impactful Results & Outcome Sharing Workshop...organized by heifer Nepal
- “Forum on Milk Value Chain in Nepal” organized by ILRI
- workshop on “Current status of food safety in dairy industries” organized by DIA and FES
- Invited dairy expert to provide inputs during a hybrid meeting on the topic "किसानका समस्या पहिचान तथा समाधान उच्च स्तरीय समिती" (**Nepali Version**) organized by MOLMAC, the government of Madhesh pradesh at Janakpurdham, Dhanusha.
- National milk rate revision meetings organized by NDDB, Lalitpur.
- Interaction program related to coordination, cooperation & coexistence of NDDB & PDDB at Janakpur organized by NDDB, Lalitpur.
- International training course on “Food industry & agri-business” for 40 days at Wageningen, Holland organized by WI & funded by Nuffic scholarship.
- LEGS training for 3 days, organized by Heifer Nepal in Kathmandu.
- TOT on GESI responsive concepts and approaches organized by DidiBahini in collaboration with MOALD & UN Women in Nepal.
- Dairy industry expo -Digital event for 2-days with various webinars & workshops.....organized by Benison media team
 - Dairy farming workshop - farm profitability in 2021
 - Impact of digitalization in dairy business landscape
 - A new era of dairy policy: staying relevant in the post-pandemic world
 - Controlling aflatoxin M1 in milk & milk products
 - Milk quality: winning the consumers and competing in the global marketplace
 - Winning 2030 through technology
 - Indian dairy future: a long-term impact of farmers and processors
- India food & nutrition innovation summit 2021 organized by FICCI & thinking forks consulting with support from ministry of food processing industries India for 2 days.
 - Trends in food and nutrition: challenges, opportunities & way forward
 - Open session on food fortification: An innovative solution to overcome malnutrition
 - Recent scientific advances in food & nutrition- academia moderator
 - Innovative ingredients in food & nutrition moderator
- International conference on biodiversity, climate change assessment & impacts on livelihood, Kathmandu

Paper Presentation & Publication

- **Gupta B. P.**, Thapa T. B, Chaudhary B. and Timilsina N. A paper presented on the title “Buffalo milk & food security” in 10th Asian buffalo congress 2021; 25-29 Oct 2021, (AFU) Rampur Chitwan Nepal
- Poster presentation at IFT annual conference 2014, New Orleans, Louisiana.
- Poster presentation at ADSA/ASAS/CSAS/JAM 2014, Kansas City, Missouri.
- Oral presentation at ADSA/ASAS/CSAS/JAM 2013, Indianapolis, Indiana.
- Poster presentation at ADSA/ASAS/CSAS/JAM 2013, Indianapolis, Indiana.
- Oral presentation at ARD, Inc “17th Biennial Research Symposium 2013”, Florida.
- Co-author of an oral presentation at ARD, Inc “17th biennial research symposium 2013”, FL.
- **Gupta, B. P.**, J. O. Jones and Y. W. Park. 2014. Textural properties of cholesterol reduced Cheddar-type goat milk cheese compared with those of whole goat milk counterpart. IFT Annual Conference Abst. # 113-06. P 82.
- McGhee, C., **B. P. Gupta** and Y.W. Park. 2014. Fatty acid compositions of low-fat goat milk ice creams formulated with commercial ice cream mix and 3 different levels of caprine milk fat. J. Dairy Sci. Vol.97. E-Suppl.1. Abst. #1022. Pp. 510.
- McGhee, C. E., **B. P. Gupta**, J. O. Jones, and Y. W. Park. 2013. Evaluation of sensory properties of goat milk ice creams formulated with three different levels of caprine milk fat. J. Dairy Sci. Vol. 96. E-Suppl. 1. Abst. # T239. P. 84.
- **Gupta, B. P.**, Y. W. Park, J. Jones, and S. Ibrahim. 2013. Effects of different levels of 2 selected gums addition on textural properties of goat milk yogurts. J. Dairy Sci. Vol. 96. E-Suppl. 1. Abst. # T478. P. 455.
- McGhee, C. E., J. O. Jones, **B. P. Gupta**, and Y. W. Park. 2013. Evaluation of textural characteristics of goat milk ice creams manufactured with three levels of caprine milk fat. IFT Annual Conference Abst. # 153-10. P. 86.
- **Gupta, B. P. 2000.** Publication of “Gestational estrous in cattle & buffalo” in Blue Cross Magazine of Nepal Veterinary Students’ Association, Rampur, Chitwan.

Webinar Participated/Handled

- Dairy and Nutrition in the Global South...organized by IFPRI
- Water for Life: Addressing Water Scarcity for Sustainable, Resilient, and Efficient Agrifood Systems.....organized by World Bank Group
- Webinar on “Use of GM crops and their derivatives for dairy industry
- Ethno veterinary medicine: An alternative to antibiotics for the dairy sector
- Monetizing Quality: GOING BEYOND FAT & SNF
- Milk price discovery-What is rightful worth of farmers’ milk
- Livestock & Livelihoods: Exploring synergies for food security, nutrition and climate smart solution in low-income countries...organized by ILRI & Ventures37
- International conference on Indian dairying-sustainability & nutritional security.... organized by the department of nutrition society of India, Coimbatore Chapter & Indian dairy association, Tamil Nadu chapter, Chennai.
- Sustainable dairy farming organized by Misset International
- Role of dairy in sustainable human nutrition organized by INFIAH

- National webinar on “Sustainability in the dairy sector, as well as environmental, nutritional, and socioeconomic empowerment.” jointly organized by GCCI and ICAR
- Pathways to dairy net zero; How transformative agri-food systems can help achieve the SDGs.... organized by IDF
- Webinar on probiotics organized by Chr Hansen India.
- IFCN dairy conference on "Next generation dairy farming & dairy farmers" for 2 days
- IDF nutrition & health symposium 2022 on “Nutrition, dairy & health across the life course: childhood, adolescence & ageing populations”.
- Digitalization in milk procurement, processing and marketing.... Jointly organized by Indian Dairy Engineers Association (IDEA) & dairy engineering department, SMC college of dairy science, Kamdhenu University, Anand.
- Guidelines for defining quarter and udder health status and cured clinical and subclinical mastitis cases organized by IDF
- Nutrition and claw health – how organic trace minerals can improve the claw health in dairy cattle.... organized by Biochem India.
- Inflation and dairy: how to navigate? Organized by IFCN
- “COVID-19 safety guidelines for nutraceutical and health supplements industry” ... organized by international training center food safety & applied nutrition (ITCFSAN) and health foods & dietary supplements association (HADSA), India.
- IFCN PPPP Dairy Processors Conference
- FAO-FAVA-SVA-VNU-WAAW 2021: Fighting the invisible pandemic of Antimicrobial Resistance (AMR): Veterinarians and the One health approach on food safety and city life
- Dairy Asia dialogue: Yak milk production
- Entrepreneurship across dairy value chain
- 'Food fortification: The key for improving maternal and child nutrition'
- IFCN Forum 2021 – GHG emissions from dairy and solutions for emerging dairy countries
- GHG reduction from smallholder dairy farms in Asia: A joint IDF-WUR-CGIAR.
- FAO-FAVA-VNU-WAAW 2021: Empowering veterinarians in Asia towards fulfilling their roles on the global action plan on antimicrobial resistance (GAP-AMR) with technical support by FAO of UN
- Designer milk - nutritional intervention" organized by IDA TNC
- Emerging trends and innovations in protein.... organized jointly by protein foods and nutrition development association of India and dept. of foods, nutrition and dietetics, college of home science, Nirmala Niketan. PFNDI India
- FAO-OIE-WHO One health approach on AMR mitigation & safer food in the Asia-pacific region for 2 days
- The sustainable dairy partnership marks a digital milestone in industry collaboration
- Conference on Indian dairy beyond 75. Theme: role of digitalization & technology in dairy supply chain..... organized by confederation of Indian industry (CII)
- E-conference on innovations & advancements in the Indian dairy industry for 2 days.... organized by Indian chamber of commerce & empowering India.
- Indian dairy farming-creating formula for success...sponsored by Allflex livestock intelligence & MSD
- Trace minerals nutrition in dairy - improving performance & health
- Indian dairy farming - creating formula for successorganized by Benison Media

- “Dairy agro-tech delegation to India” organized by The Israeli export and international cooperation institute & the economic trade mission in India.
- Antimicrobial resistance in dairy animals: reasons and remedies..... Organized by natural remedy & IDA south zone.
- Innovative dairy products.... organized by Gujarat enterprise & roquette
- “Making food fortification scalable and sustainable: role of partnerships”organized by hexagon nutrition, GAIN India & NIFTEM
- “Scaling up innovation for a fortified future – part I fortification quality digitization” organized by GAIN Switzerland
- “Dairy value chain and its prospects in India” organized by IDATNC
- “Combatting the biggest costing challenges of the dairy industry” organized by dairy foods & sponsored by aptean.
- “National conference on modernization of agriculture for prosperous Nepal” for 2-days organized by DoA and Nepal agriculture federation.
- IDF webinar series on digital dairy: June 2021 for 4-days. The topics covered are-
 - Digitalizing future dairy cow breeding programs
 - Towards sustainable dairy production with sensor technology
 - Recent developments on the use of MIR data (integration) for investigation of milk composition
 - Digital tracking and characterization of microbiota in milk using advanced molecular techniques, bioinformatics, and data analytics – ‘Is this the future for milk quality?’
 - Driving digital solutions for the dairy enterprise
 - Industry 4.0 – cutting through the hype to create real business value, with digital transformation
 - Farm to fork platform: milk chain
 - Transparent value chains: Ingredia’s block chain for eco-ingredients and UHT products
 - Block chain and traceability for agri-food systems, regulatory perspectives
- “Food safety, one health & role of veterinarians” organized by NVA
- “Silage-a practical outlook on management & preservation” organized by Trouw nutrition India.
- “Sustainable dairy farming and nutritional significance of milk & milk products” organized by IDA TNC.
- “Innovation & value addition in Indian dairy industry” organized by Indo-American chamber of commerce (IACC) & NIC India.
- “National webinar on “improving nutrition quality of milk through fortification” organized by GAIN with the support of FSSAI India.
- “Making the most of probiotics” organized by Chr Hansen
- Indian dairy industry during COVID-19 pandemic: challenges, lessons learned and the way forward”organized by NDDB.
- Webinar on “3D India food nutrition summit 2021” for 2-days...organized by Synnex business media P Ltd, India. The topic covered are-
 - Nutraceuticals: the new generation of food therapeutics
 - Probiotics as functional foods: effects on human health

- Food fortification & health: enriching foods, enriching lives
- Food testing: demand, design and challenges
- Next generation of F&B industry: resilient, efficient and sustainable
- “Let food be the medicine and medicine be the food”
- Probiotics: creating a healthier you
- Dairy & beverage fortification: challenges & opportunities
- Technology: Transforming the food and dairy industry
- Leadership & dairy: next generation dairy industry
- “IDF Nutrition Symposium 2021” for 2-days... organized by IDF. The topics covered are-
 - Dairy & non-communicable disease
 - Nutrition in a sustainable diet
- “Extension on shelf life of pasteurized milk” ----organized by NDDB India.
- “Aflatoxin in milk & antibiotic residues in milk” ----organized by IDA Tamilnadu chapter.
- “Functional dairy products” ----organized by IDA Tamilnadu chapter.
- “Indian Dairy Outlook 2030” organized by Benison media (India) & Jordbruksforeningen
- “Dairy based probiotic functional foods” organized by IDA (Gujarat chapter)
- “Dairy technology and dairy farming in India”
- “Effect of COVID-19 on Nepalese dairy industry & its control measures” organized by ministry of agriculture, Bagmati Province.
- “Milk is the real backbone of India’s rural wealth”
- “Mainstreaming fortified milk in government safety net-school feeding programs” in India
- “Role of professional/dairy technician in improving quality & safety of dairy products” organized by NDSA.
- “Current milk quality issues; and way out for improvement” organized by NDSA.

Paper & Chapter Reviewed

- Reviewed dairy working book & dairy processing manual published by SKIH
- Reviewed cattle feeds and feeding chapter of commercial cattle farming manual published by SKIH
- Reviewed a couple of chapters, including factors affecting milk composition, milk flavor, milk packaging, milk processing, etc.
- Reviewed a scientific paper on topic “food processing: causes, its effects and control”.

Online Training, Webinar Conducted & Paper Presented

- Presented on the topic of “Nutritional benefit of milk & dairy products during COVID-19 pandemic”.....organized by NDDB Nepal on the occasion of WMD 2021 celebration
- Presented on the topic of “Dairy foods processing & quality control” organized by SKIH and SEP program of UKAID.

Award & Honor :

- Graduate assistantship for MS degree in US.
- Outstanding research award 2014 at FVSU, Georgia, US.
- Exposure visit to Germany-sponsored by Big Dutchman, Germany.
- Nuffic scholarship for training in The Netherlands.

Professional Membership :

- Provincial EC member at NUSAN
- Nepal-U.S. Alumni Network (NUSAN)
- Scientist and IBF representative member of Nepal at IBF, Rome, Italy.
- Editor-in-chief & EC member at NDSA at Kumari patti Kathmandu
- Registered as a dairy expert at NVC, Tripureshwor Kathmandu
- The Netherlands alumni association of Nepal (NAAN) at Kathmandu
- Ex executive member of NVA Madhesh pradesh
- General member of NVA, Tripureshwor Kathmandu
- Registered as a veterinarian at NVC, Tripureshwor Kathmandu

Computer Skills :

- Ms-Word
- Ms-Excel
- Ms-Power point
- Ms-Front page
- Email, etc.

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