

CURRICULUM VITAE

Dr. BHARAT SHINDHE

Ph.D. (Animal Nutrition)

S/o Demanna. K. Shinde,

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CAREER OBJECTIVE

To seek an opportunity and serve passionately in organizations which provide a platform to enhance my professional skills and utilize my knowledge in veterinary practice to work in the aspects of animal healthcare management.

EDUCATIONAL QUALIFICATIONS

- ❖ **Ph.D.** (Animal Nutrition; 2019-2023) **OGPA - 8.308**
Thesis Title: Exploration of essential oil and its synergy with probiotics for improving immunity and performance of neonatal calves.
University: ICAR-Indian Veterinary Research Institute, Izatnagar, Bareilly-243122 (UP).
- ❖ **PG Diploma** (Animal Welfare; 2021-2022) **74.00 %**
University: Indira Gandhi National Open University, New Delhi – 110068.
- ❖ **M.V.Sc & AH** (Animal Nutrition; 2017-2019) **OGPA - 8.085**
Thesis Title: Effect of dietary supplementation of peppermint (*Mentha piperita*) oil and citric acid on performance of commercial broiler chickens.
College: College of Veterinary & Animal Sciences, Pantnagar.
University: Govind Ballabh Pant University of Agriculture & Technology, Pantnagar, U.S nagar, Uttarakhand – 263145.
- ❖ **B.V.Sc & AH** (2012-2017) **OGPA - 6.859**
College: Veterinary college, Shivamogga.
University: Karnataka Veterinary Animal and Fisheries Sciences University, Bidar-585226.

TECHNICAL SKILLS

- ✓ Animal experimentation.
- ✓ Least cost feed formulation by excel and AFOS software.
- ✓ Technical article writing.
- ✓ Capable of handling feed mill operations
- ✓ Computer skills (Microsoft excel, ppt. and word, SPSS, English, and Hindi typing).
- ✓ Analysis of feed ingredients for proximate principles, and minerals.
- ✓ Analysis of volatile fatty acids by GLC.
- ✓ Analysis of gene expression using RT-PCR.
- ✓ *In vitro* gas production technique.

- ✓ Estimation of antimicrobial & antioxidant activity of compounds.
- ✓ Probiotic isolation methodology to investigate the potential of probiotic bacteria in improving gut health.
- ✓ Analysis of various hormonal assays, cytokines, and antioxidants by ELISA.
- ✓ Poultry feed formulation using advanced techniques.
- ✓ Microbiological techniques like staining, and culturing of bacteria.
- ✓ Skilled in using *in vitro* assays to analyze cell-mediated and humoral immune responses.
- ✓ Blood and feed biochemical analysis.
- ✓ Artificial Insemination and Pregnancy diagnosis.
- ✓ General surgical knowledge and necropsy of domestic animals.
- ✓ Skilled in diagnosing and treating a wide range of animal diseases and injuries.
- ✓ Statistical analysis.
- ✓ Lab animal handling and management.
- ✓ Fecal microbiology of experimental animals.

ACHIEVEMENTS AND AWARDS

- Participated and won prizes in Intercollegiate Sports & Games Meet in UG, PG and Ph.D.
- Successfully completed NSS regular activity and NSS annual special camp.
- ICAR (NTS) Fellowship for M.V.Sc.
- ICAR - Indian Veterinary Research Institute Fellowship for Ph.D.
- 3rd rank in the All-India Ph.D. entrance examination (2019) conducted by ICAR-NDRI, Karnal (Haryana) and ICAR-IVRI, Izatnagar (UP).
- Qualified National Eligibility Test conducted by ASRB in the year 2020.
- Participated in Agri-Sports 2019-20 held at Sri Venkateswara Veterinary University, Tirupati.
- Gold medal in 4x100 mt relay event during annual sports conducted by ICAR-IVRI (2019, 2022).
- Best Oral Presentation in XII ANA conference held in DUVASU Mathura, 2023.

CONFERENCES AND COURSES

- ✓ XII Annual Convention of Association of Indian Zoo & Wildlife Veterinarians & National Conference on “Wildlife Health Management Vis-à-vis Prospect of Mitigation of Extrinsic Influences Impinging Their Conservation” at GBPUAT, Pantnagar (29-30 September 2018).
- ✓ National Conference on the “Role of Youth in Bringing Social Change” organized by G.B. Pant University of Agriculture & Technology, Pantnagar (12-13 January 2019).
- ✓ National Conference on Livelihood Improvement through Sustainable Livestock Production and IV Annual Convention of Pashu Poshan Kalyan Samittee (3-4 November 2019).
- ✓ International Conference of Animal Nutrition on Nutritional Strategies for Improving Farm Profitability and Clean Animal Production (INCAN2019, Kolkata).

- ✓ 21 days online international e-Training cum Orientation Programme on “Physiological and Biotechnological Interventions for the Improvement of Production, Reproduction and Health Status in Animals” organized by Dept. of Veterinary Physiology and Biochemistry, College of Veterinary Science and Animal Husbandry, Mhow (M.P.), India (November 16 to December 06, 2021).
- ✓ Annual Convention of National Academy of Veterinary Nutrition and Animal Welfare and National Conference on “Coordinated Nutrition, Health and Extension Approach for Sustainable Livestock Production” at NDVSU, Jabalpur (21-22 September 2022).
- ✓ Biennial International Conference of ANSICON, 2022 on “Nutritional Technologies to Augment Livestock, Poultry, Canine and Fish Production for Global Competitiveness” at GADVASU, Ludhiana. (16-18 November 2022).
- ✓ Australia-India Council sponsored International Workshop on “Sustainable Livestock Production under Impending Climate Change” organized by ICAR-IVRI, Izatnagar (UP), India in collaboration with University of Melbourne, Australia (21-22 December 2022).
- ✓ XII Biennial Conference of Animal Nutrition Association on “New Horizons of Animal Nutrition Research: Combating the Challenges of Productivity, Health and Welfare of Animals” at Mathura (16-18 February 2023).
- ✓ A six-week online course (agMOOCs) on “Practical Animal Nutrition for Augmenting Livestock and Poultry Productivity” organized by Dept. of Veterinary & AH Extension Education, Madras Veterinary College, TANUVAS, Chennai, India and Commonwealth of Learning, Canada.
- ✓ A six-week online course (agMOOCs) on “Agricultural Statistics in Practice” organized by Dept. of Veterinary & AH Extension Education, Madras Veterinary College, TANUVAS, Chennai, India and Commonwealth of Learning, Canada.
- ✓ A one-month online course (MOOCs) on “Digital Teaching Techniques” organized by ICAR-National Academy of Agricultural Research Management.

PUBLICATIONS

Research articles:

- **Shinde, B.**, Chaudhary, L.C., Agarwal, P., Singh, B.R. and Kala, A. 2023. Comparative assessment of essential oils for antioxidant and anti-microbial potential against common enteric pathogens.
- Kumari, N., Kala, A., **Shinde, B.** and Chaudhary, L.C. 2023. Influence of Plant Secondary Metabolites Supplementation on Nutrient Digestibility in Cross-Bred Dairy Cattle.

Books

- Pashupathi, M., Rashmi, M and **Bharat, S.** 2023. Applied Biotechnology in Veterinary Science. *Agra Book International, ISBN: 978-93-94151-22-2.*

- Rashmi, M., Pashupathi, M. and **Bharat, S.** 2023. Applied Biotechnology in Animal Sciences. *Book Rivers, ISBN: 978-93-5842-895-7.*

Book chapters:

- Chaudhary, L.C., Soni P.K. and **Shinde, B.** (CAFT-2020). Role of Rumen fungi in improving efficiency of Rumen for Enhanced Feed Utilization. *Understanding Gut-microbiome Crosstalk for Augmenting Feed Efficiency and Economizing Livestock Production.* Animal Nutrition Division, ICAR-IVRI, Izatnagar.
- Kala, A., **Shinde, B.**, Panga, P., and Chaudhary, L.C. (CAFT-2022). Counting of Fecal Microbes by Pour Plate Method. *Advances in Nutrition and Gut Ecology for Improving Livestock Productivity*, pp.184-186; *ISBN: 978-81-959846-0-2.*
- Chaudhary, L.C., Sharma, A., **Shinde, B.**, and Kala, A. (CAFT-2022). Preparation and Quality Evaluation of Probiotic Products. *Advances in Nutrition and Gut Ecology for Improving Livestock Productivity*, pp.174-176; *ISBN: 978-81-959846-0-2.*
- Kala, A., Chaudhary, L.C., and **Shinde, B.** 2022. Importance of Carbon Footprints and Strategies to Reduce Methane Emission in Livestock Production. *Integrating Phenomics and Genomics for Improving Livestock Production, Health, and Well-being.* Division of Animal Genetics, ICAR-IVRI, Izatnagar.
- Payal, A., **Bharat, S.**, Vidyarani, H. B. and Prasad, M. G. 2023. Significance of Carbon Footprints and Strategies to Alleviate Methane Emission in Livestock Production. *Applied Biotechnology in Animal Sciences*, pp.207-227; *ISBN: 978-93-5842-895-7.*
- Prasad, M. G., Diksha P. G and **Bharat, S.** 2023. Cultivating the Future Plate: Lab-Grown Meat and the Sustainable Food Revolution. *Applied Biotechnology in Animal Sciences*, pp.58-78; *ISBN: 978-93-5842-895-7.*
- Rashi, U., Tilak Chandan, S. and **Bharat, S.** 2023. Microbial Biotechnology. *Applied Biotechnology in Veterinary Science*, pp.01-12; *ISBN: 978-93-94151-22-2.*
- Kala, A., Kharade, V., **Shinde, B.**, Sharma, A., and Chaudhary, L.C. 2023. Role of Prebiotics, Probiotics and Synbiotics in Livestock Production and Health. *Entrepreneurship Development Programme on Animal Feed Technologies.* Animal Nutrition Division and Agri-Business Incubation Centre, ICAR-IVRI, Izatnagar.
- Chaudhary, L.C., Agarwal, N., Kala, A., and **Shinde, B.** 2023. Feed Additive to Enhance Livestock Productivity. *Entrepreneurship Development Programme on Animal Feed Technologies.* Animal Nutrition Division and Agri-Business Incubation Centre, ICAR-IVRI, Izatnagar.

Review articles:

- Soni, P.K., Vipin and **Shinde B.** 2021. *Tinospora cordifolia*: A Review of its Potential as a Heat Stress Relieving Phyto-Food Supplement in Animals. *The Journal of Phytopharmacology*, 10(5):393-398.

Abstracts:

- Effect of Dietary Supplementation of Peppermint (*Mentha piperita*) Oil and Citric Acid on Performance of Commercial Broiler Chickens (**B. Shindhe**, A. Kumar, O. Ansari, N. Samant and V. Sharma), *INCAN-2019*.
- Effect of Dietary Supplementation of Peppermint (*Mentha Piperita*) Oil and Citric Acid on Haemato-Biochemical Parameters in Broiler Chickens (**B. Shindhe** and A. Kumar), *NAVNAW-2022*.
- Effect of Feeding Cinnamon Bark Oil and Multi-Strain Probiotics for Performance of Neonatal Calves (**B. Shindhe**, A. Kala, P. Agarwal and L.C. Chaudhary), *ANSICON-2022*.
- Effect of Supplementation of Cinnamon Bark Oil and Multi-Strain Probiotics on Nutrient Utilization in Wistar Rats (**B. Shindhe**, A. Kala, P. Agarwal and L.C. Chaudhary), *ANACON-2023*.
- Effect of Feeding Cinnamon Bark Oil and Muti-Strain Probiotics on Nutrient Digestibility in Neonatal Calves (**B. Shindhe**, N. Rathode, A. Kala and L.C. Chaudhary) *ISBN: 9788196576264, NSWANA-2023*.
- Effect of Feeding Cinnamon Bark oil and Multi-Strain Probiotics on Growth of Wistar Rats (**B. Shindhe**, H. Rao, A. Kala and L.C. Chaudhary) *ISBN: 9788196576264, NSWANA-2023*.
- Effect of Dietary Supplementation of Peppermint (*Mentha piperita*) Oil and Citric Acid on Carcass Characteristics in Broiler Chickens (**B. Shindhe**, A. Kumar and N. Kumari) *ISBN: 9788196576264, NSWANA-2023*.
- Effect of Feeding Cauliflower Waste on Growth Performance and Economics of Rabbit Production (A. Bansod, S.K. Saha, M. Theerthesh and **B. Shindhe**) *ISBN: 9788196576264, NSWANA-2023*.
- Comparative Evaluation of Rumen Responses, Nitrogen Metabolism and Growth in Murrah Buffalo, Vrindavani and Tharparkar Cattle (N. Rathode, A.K. Verma, **B. Shindhe**, A. Kala and L.C. Chaudhary) *ISBN: 9788196576264, NSWANA-2023*.
- Bile Salt and pH Tolerance of Oxalate Degrading *Lactobacilli* Consortia Isolated from Goat and Dog Faeces (B. Hanumanth Rao, A. Kala, L.C. Chaudhary and **B. Shindhe**) *ISBN: 9788196576264, NSWANA-2023*.
- Influence of Phytogenics Aggregate of *Terminalia bellirica* and *Trachyspermum ammi* on Methane Emission and Blood Indices of Ruminants (N. Kumari, **B. Shindhe**, L.C. Chaudhary and A. Kala) *ISBN: 9788196576264, NSWANA-2023*.

HANDS-ON EXPERIENCE DURING INTERNSHIP

- Experience in feeding, diagnosis and treatment, vaccination, management of wild animals in Lion safari, Tyavrekoppa and Sakkarebailu elephant camp, Shivamogga.
- Exposure to equine health care management in Mysore race club.
- Practical experience in disease diagnosis and treatment of dairy cows in KMF routes.
- Clinical exposure in pet animal practice at Teaching Veterinary Clinical Complexes and Peripheral Veterinary Hospitals of veterinary colleges.
- Exposure to routine farm operations and commercial activities involved in dairy, poultry production unit of Dept. of Animal Sciences at University of Agriculture Sciences, Dharwad.
- Work experience in the Livestock Research & Information Centre (Deoni), Bidar.
- Experience in management, diagnosis and treatment of diseases related to large ruminants in State Livestock Breeding and Training Center (SLBTC) and Central cattle breeding farm (CCBF) Hessarghatta.
- Exposure to farm activities and feed mill operations in the ILFC unit of Veterinary College Shivamogga.
- Successfully completed hands on training course on 'Commercial Pig Production' certified by DLG Farms Pvt. Ltd. Nanjangud, Mysuru.
- Hands on training in Commercial poultry production and disease management at Central Poultry Developmental organization and Training institute (CPDO&TI) Hessarghatta.
- Hands on training in management of breeding bulls and frozen semen production at Central Frozen Semen Production and Training Institute (CFSPTI) Hessarghatta.
- Practical experience in Feeding, Diagnosis and Treatment and Vaccination of Laboratory animals.
- Experience in formulation of ration and feed analysis for all classes of laboratory animals.
- Exposure in production and testing of vaccines at Institute of Animal Health & Veterinary Biologicals (IAH & VB), Bengaluru.
- Entrepreneurial Skill Development Programme on "Broiler Production" during 3rd yr B.V.Sc. Visited Venky's chicken processing plant at Ranebennur, Karnataka.

ATTRIBUTES AND STRENGTH

- Keen listener with good communication skills.
- Optimistic in approach.
- Ability to work independently or in a team environment.
- Good convincing ability.

AFFILIATIONS

- Registered Practitioner in Karnataka Veterinary Council dated 12.06.2017.
- Registered Practitioner in Veterinary Council of India dated 25.01.2019.
- Life member of Animal Nutrition Association of India.
- Life member of Animal Nutrition Society of India.
- Member of Veterinary Alumni Society of Shivamogga.
- Member of Veterinary Alumni Society of Pantnagar.

PERSONAL DETAILS

- Name : Dr. Bharat Shindhe
- Father Name : Demanna
- Permanent Address : Demanna. K. Shinde, Sangameshwar, Tq. Kalghatagi, Dharwad, Karnataka - 581204.
- Date Of Birth : 22 March 1995
- Sex : Male
- Marital Status : Single
- Nationality : Indian
- Religion : Hindu Maratha
- Languages Known : English, Hindi, Kannada, Marathi
- Hobbies : Cycling, Badminton
- Mobile No : 9611972117
- Email Id : shindhebharat108@gmail.Com
- Other Interests : Travelling & making new friends.

Declaration:

I **Bharat Shindhe** do here by declare that all particulars provided above are true to the best of my knowledge and belief.

Date: 01-11-2023

Place: Dharwad



(Dr. Bharat Shindhe)