

Dr A K Das, Ph.D

Scientist (Livestock Products Technology)
Nutrition, Feed Resource and Products Technology



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Academic Background

Ph.D. (2002-05) - Livestock Products Technology; Indian Veterinary Research Institute (IVRI), Izatnagar, UP, India
M.V.Sc. (2000-02) - Animal Products Technology & Marketing; West Bengal University of Animal and Fishery Sciences, Kolkata-37.
B.V.Sc. & A.H. (1995-2000) - West Bengal University of Animal and Fishery Sciences, 37, K B Sarani, Belgachia, Kolkata-37

Research Interests

- Plant protein and animal protein interaction and value-added products development
- Use of bioactive food components from plants and agro-food by-products for functional food development.
- Dietary manipulation: impact on muscle development and growth, carcass traits, fat partitioning and meat quality and goat milk quality
- Maternal nutrition in goat/sheep on muscle development and meat quality
- Development of different low fat, designer and functional meat products

Professional Affiliations:

- Indian Meat Science Association-Life member
- Indian Poultry Science Association- Life member
- Association for Veterinary Public Health Specialists- Life member
- Indian Society for sheep and goat Production and Utilization (ISSGPU) - Life member
- Association of Food Scientists and Technologists (India)-Full member

Publications

Research articles

- Das A K** and Rajkumar V (2010). Effect of different fat level on microwave cooking properties of goat meat patties. *Journal of Food Science and Technology* (in press)
- Das A K** and Rajkumar V (2010). Comparative study on carcass characteristics and meat quality of three goat breeds. *Indian Journal of Animal Sciences* (in press)
- Rajkumar V, Agnihotri M K, **Das A K**, Ramachandran N and Singh D (2010). Effect of age on carcass characteristics and meat quality of Sirohi goat kids reared under semi-intensive and intensive management systems. *Indian Journal of Animal Science* 80(8):
- Singh M K, Dutta TK, Sharma RB, **Das A K** and Singh NP (2010). Effect of complete feeds on nutrient intake, growth and carcass traits in weaned Jamunapari kids. *Indian Journal of Animal Science* 80(4): 382-384
- Gadekar YP, Kokane RD, SuradkarUS, Thomas R, **Das A K** and Anjaneyulu A S R. (2010) Shelf stable meat pickles- a review. *International Food Research Journal* 17: 221-227
- Dutta TK, Agnihotri MK, Sahoo PK, Rajkumar V and **Das A K** (2009). Effect of different protein energy ratio in pulse by-products and residue based pelleted feeds on growth, rumen fermentation, carcass and sausage quality in Barbari kids. *Small Ruminant Research* 85: 34-41
- Das A K** and Sharma RB (2009). The effect of fluid goat milk whey on some quality characteristics of chevon nuggets. *Italian Journal of Food Science* 21(1): 81-88
- Das A K**, Anjaneyulu ASR, Thomas R and Kondaiah N (2009). Effect of different fats on the quality of goat meat patties incorporated with full-fat soy paste. *Journal of Muscle Foods* 20(1):30-47
- Das A K**, Anjaneyulu ASR, Gadekar YP, Singh RP and Hazarika P (2008). Effect of full-fat soy paste and textured soy granules on quality and shelf-life of goat meat nuggets in frozen storage. *Meat Science* 80(3): 607-614
- Das A K**, Anjaneyulu ASR, Verma AK and Kondaiah N (2008). Physicochemical, textural, sensory characteristics and storage stability of goat meat patties extended with full-fat soy paste and soy granules. *International Journal of Food Science and Technology* 43: 383-392
- Das A K**, Dass G and Singh NP (2008). Growth, carcass characteristics and meat quality of Muzaffarnagari lambs at various stages under intensive and semi-intensive management. *Indian Journal of Animal Sciences* 78(5): 541-546

Other publications

- Patents 7 (Indian Provisional Patent)
- Popular articles 6
- Books Nil
- Book Chapters 5
- Conference presentations 4

Act As Reviewer:

He is associated as part-time reviewer of following National and International journals-
Animal

Journal of Muscle Foods

Journal of Food Quality

Italian Journal of Food Science

International Journal of Food Science and Technology

Critical Review in Food Science and Nutrition

Journal of Food Science and Technology