

## **Dr. Rituparna Banerjee**

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M.V.Sc

Scientist,  
Livestock Products Technology  
ICAR-National Research Centre on Meat, Hyderabad

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**Expertise:** Functional meat products; application of natural antioxidants in meat or meat products; superchilling technology

### **Ongoing projects:**

<b>Sr.No.</b>	<b>Project</b>	<b>Funding Agency</b>	<b>Role</b>
1	Effect of superchilling and cryoprotectants on the quality and storage stability of meat	Institute funded	PI
2	Agri-business incubator (ABI project)	ICAR	Co-PI
3	Detection and Quantification of Animal Body Fat (Tallow)/ Vegetable Fat in Milk Fat/Ghee	Ministry of Food Processing Industries (MoFPI)	Co-PI
4	Purification and characterization of important bioactive peptides from meat and slaughterhouse byproducts	Institute funded	Co-PI

### **Publications:**

**Research papers in peer reviewed journals:** 18

**Book chapters:** 3

**Invited/Lead paper:** 8

**Popular/technical articles:** 6

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## 10 best publications

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1. **Banerjee, Rituparna**, Jayathilakan, K. Chauhan, O.P., Naveena, B.M., Suresh, K.D. and Kulkarni, V.V. (2016). Vacuum packaged mutton patties: comparative effects of high pressure processing and irradiation. *Journal of Food Processing & Preservation* (Accepted Manuscript AID JFPP12880).
2. **Rituparna Banerjee**, Arun K. Verma, H.P. Narkhede, P. G. Kokare, Anjana Manjhi and P. M. Bokde (2015). Cauliflower powder in pork meat balls: effects on quality characteristics and oxidative stability. *Fleischwirtschaft International*. 1: 97-102.
3. Arun K. Verma, **Rituparna Banerjee** and B. D. Sharma (2015). Quality characteristics of low fat chicken nuggets: effect of salt substitute blend and pea hull flour. *Journal of Food Science & Technology*. 52(4):2288–2295.
4. Arun K. Verma, V. Rajkumar, **Rituparna Banerjee**, S. Biswas and Arun K. Das (2013). Guava (*Psidium guajava* L.) Powder as an Antioxidant Dietary Fibre in Sheep Meat Nuggets. *Asian-Australasian Journal of Animal Science*. 26(6): 886 – 895.
5. **Rituparna Banerjee**, Arun K. Verma, Arun K. Das, V. Rajkumar, A.A. Shewalkar, H.P. Narkhede (2012). Antioxidant effects of broccoli powder extract in goat meat nuggets. *Meat Science*. 91: 179-184.
6. Arun Kumar Verma, B. D. Sharma and **Rituparna Banerjee** (2012). Quality characteristics of low-fat chicken nuggets: effect of common salt replacement and added bottle gourd. *Journal of Science Food & Agriculture*. 92(9):1848-54.
7. A. K. Verma and **R. Banerjee** (2010). Dietary Fibre as functional ingredients in Meat Products: A Novel approach for Healthy Living. *Journal of Food Science & Technology* 47(3):247-257.
8. A. K. Verma and **R. Banerjee** (2012). Low-Sodium Meat Products: Retaining Salty Taste for Sweet Health. *Critical Reviews in Food Science and Nutrition*. 52(1): 72-84.
9. A. K. Verma, B. D. Sharma and **R. Banerjee** (2009). Effect of sodium chloride replacement and apple pulp inclusion on the physico-chemical, textural and sensory properties of low fat chicken nuggets. *LWT – Food Science & Technology*. 43: 715-719.
10. S. Biswas, Arun K. Das, **R. Banerjee** & N. Sharma (2007). Effect of electrical stimulation on quality of tenderstretched chevon sides. *Meat Science*. 75: 342-346.

**Other information:**

- **Smt. Mira Mallik Gold Medal** for securing highest marks in B. V. Sc. & A. H. from Hon. Governor, West Bengal.
- **Gold Medal** for securing highest marks in 5<sup>th</sup> & 6<sup>th</sup> semester in B. V. Sc. & A. H. from Hon. Governor, West Bengal.
- **Best paper presentation award** in IMSACON-V, 5<sup>th</sup> Annual Conference and National Symposium of Indian Meat Science Association, 7-9<sup>th</sup> February, 2013.
- **2<sup>nd</sup> best paper presentation award** in IMSACON-VII 7<sup>th</sup> Annual Conference and National Symposium of Indian Meat Science Association, 10-12<sup>th</sup> November, 2016.

**Professional affiliation:**

- Life Member of Indian Meat Science Association (IMSA).
- Life Member of Indian Association of Veterinary Public Health Specialists.
- Life Member of Association of Food Scientists and Technologists (India).
- Life Member of Veterinary Council of India.
- Life Member of West Bengal Veterinary Council.
- Annual member “World’s Poultry Science Association”