



Dr Rajendran Thomas, B.V.Sc., M.V.Sc., PhD
Senior Scientist (Livestock Products Technology)

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Publications	Total no. of Research Paper	: 30
	Total no. of Books/Manual	: 08
	No. of patent granted (G) /filed (F)	: 02 (G) (F)
	Copyright granted (G) /filed (F)	: 05 (G) (F)
	Policy Document	:

Experience with research interest :

Dr. R. Thomas has over 12 years of professional experience in research in the field of meat science and technology, designing of slaughterhouse and meat processing plant and development of meat products. He has successfully completed 09 research projects (funded by Indian Council of Agricultural Research, Ministry of Food Processing Industries (MoFPI), Agricultural and processed food products exports development authority (APEDA), Department of Bio Technology (DBT) and Ministry of Statistics and Programme Implementation) as Principal Investigator. He is the in-charge of pork processing unit and Quality Control Lab at ICAR-NRCP. He has transferred 8 technologies for commercialization and associated with success of two start-up entrepreneurs in India.

Top 10 Publications:

1. **R Thomas**, S Banik, K Barman, N H Mohan and D K Sarma. (2018). Selected meat quality parameters and nutritional profiles of *M. longissimus thoracis et lumborum* of Niang-Megha pigs. *Indian Journal of Animal Science*, 88 (8): 955–960.
2. **R Thomas**, S Banik, K Barman, N H Mohan and S Rajkhowa. (2018). A more relevant grading system for Indian pig carcasses. *Indian Journal of Animal Science*. 88 (10): 1197–1202.
3. **R Thomas**, S Banik, K Barman, N H Mohan and D K Sarma. (2018). Establishment of bilateral symmetry and accuracy of carcass data estimates in *Ghungroo* pig carcass. *Indian Journal of Animal Research*. DOI: 10.18805/ijar.B-3525.
4. **R Thomas**, S Naskar, N H Mohan and D K Sarma. (2016). Refinement of formulation and processing steps for pork momo, a traditional meat product of NE India, in the wake of *Neurocysticercosis*. *Indian Journal of Traditional Knowledge*, 15(1): 128-134.
5. **R. Thomas**, N. Jebin, R. Saha and D.K. Sarma. (2016). Antioxidant and antimicrobial effects of kordoi (Averrhoa carambola) fruit juice and bamboo (*Bambusa polymorpha*) shoot extract in pork nuggets. *Food Chemistry*, 190: 41–49.
6. **R Thomas**, S Banik, N H Mohan and D K Sarma. (2016). Carcass and meat quality of triple cross (*Ghungroo x Hampshire x Duroc*) fatterer pigs. *International Food Research Journal*, 24(1): 153-158.
7. **R Thomas**, S Banik, K Barman, N H Mohan and D K Sarma. (2016). Carcass composition and meat quality parameters of *Ghungroo* pigs. *Indian Journal of Animal Sciences*, 86 (8): 925–929.
8. **R. Thomas**, N. Jebin, K. Barman and Anubrata Das. (2014). Quality and shelf life evaluation of

pork nuggets incorporated with fermented bamboo shoot (*Bambusa polymorpha*) mince. *Meat Science*, 96: 1210-1218.

9. **R. Thomas**, N. Jebin, M.K. Tamuli & D.K. Sarma. (2014). Bamboo shoot extract: a potential natural preservative for pork nuggets at refrigeration temperature storage. *Fleishwirtschaft International*, 2:70-77.
10. **R. Thomas**, Anjaneyulu, A.S.R. and Kondaiah N. (2008). Effect of hot-boned pork on the quality of hurdle treated pork sausages during ambient temperature storage. *Food Chemistry*, 107: 804–812.

Technologies developed:

1. Technologies for processing value added pork products.
2. Technologies for processing shelf stable meat products
3. Designed and established Micro/Tiny pig abattoirs
4. Designed and established Community pig abattoirs
5. Designed and developed a model for hygienic transport of meat for daily marketing

Awards:

1. Received 'Jawaharlal Nehru Award for Post-Graduate Agricultural Research' for the year 2008 for outstanding Doctoral Research in the field of Animal Production and Veterinary Science.
2. Received the prestigious 'Innovator Award' under 'India Innovation Growth Programme' organized by DST-Lockheed Martin, in association with FICCI and Stanford University in the year 2014.
3. Received 'Fakhruddin Ali Ahmed' Award (ICAR) for the year 2016 (awarded in the year 2017) for Outstanding Research in Tribal Farming Systems.
4. Received 'Lal Bahadur Sastri Young Scientist Award' for the year 2017 (awarded in the year 2018) from Indian Council of Agricultural Sciences.

Membership of professional society:

- Life member of Association of Food Scientists and Technologists (AFST), India
- Swine Production Society of India
- Indian Meat Science Association
- Association of Meat Scientists and Technologists
- Member of technical committees of Agricultural and Processed Food Products Development Authority (APEDA),
- National Meat and Poultry Processing Board, India
- Bureau of Indian Standards (BIS)
- Food Safety and Standards Authority of India (FSSAI).