

**List of Publications - 2015**  
**Academic Staff - Department of Animal Science**  
**Faculty of Animal Science & Export Agriculture**

No	Name of the main author	Names of Co-authors	Year	Title of the paper	Name of the Journal	Vol (Issue)	Page Nos
1	<b>Mudannayake D.C.</b>	Wimalasiri K.M.S., Silva K.F.S.T and Ajlouni S	2015	Comparison of properties of new sources of partially purified inulin to those of commercially pure Chicory inulin	Journal of Food Science	80 (5)	950-960
2	<b>Abeyrathne,E.D.N.S.</b>	Lee, H.Y. Jo, C., Suh, J. W. and Ahn, D.U.	2015	Enzymatic hydrolysis of ovomucoid and the functional properties of its hydrolysates.	Poultry Science	94(09)	2280-2287
3	<b>Mudannayak, D.C.</b>	Wimalasiri K.M.S., Silva K.F.S.T and Ajlouni S	2015	Selected Sri Lankan food plants and herbs as potential sources of inulin-type fructans,	Journal of National Science Foundation Sri Lanka	43(1)	33-41
4	<b>Jayasena, D. D.</b>	Kim, H. J., Yong, H. I., Park, S., Kim, K., Choe, W. and Jo, C.	2015	Flexible thin-layer dielectric barrier discharge plasma treatment of pork butt and beef loin: Effects on pathogen inactivation and meat quality attributes	Food Microbiology	46	51-57
5	<b>Jayasena, D. D.</b>	Jung, S., Kim, S. H., Kim, H. J., Alahakoon, A. U., Lee, J. H. and Jo, C.	2015	Endogenous functional compounds in Korean native chicken meat are dependent on sex, thermal processing, and the meat cut	J. Sci. Food Agric.	95(4)	771-775
6	<b>Jayamanne S.C.</b>	Thushari G.G.N., Liyanage N.P.P.	2015	Production of simulated caviar using Big-eye Tuna ( <i>Thunnus obesus</i> ) roe: Pilot scale study to promote fish roe based value addition sector in Sri Lanka	International Journal of Scientific and Research Publications (IJSRP)	2(4s)	14-21
7	<b>Jayasena, D. D.</b>	Nam, K. C., Kim, J. J. and Jo, C.	2015	Association of carcass weight with quality and functional properties of beef from Hanwoo steers	Anim. Prod. Sci	55	680-690
8	<b>Jayasena, D. D.</b>	Jung, S., Bae, Y. S., Park, H. B., Lee, J. H. and Jo, C.	2015	Comparison of the amounts of endogenous bioactive compounds in raw and cooked meats from commercial broilers and indigenous chickens.	J. Food Compos. Anal.	37	20-24
9	<b>Mahaliyana, A.S.</b>	B.K.K.K. Jinadasa, N.P.P. Liyanage, S.C. Jayamanne	2015	Nutritional composition of skipjack tuna ( <i>Katsuwonus pelamis</i> ) caught from oceanic waters around Sri Lanka	American Journal of Food and Nutrition	3(4)	106-111
10	<b>Nambapana N.M.N</b>	Samarasinghe, K and Vidanarachchi	2015	The effect of EconomasE as a vitamin E replacer on performance, meat quality and organ weights of broiler birds	Tropical Agricultural Research	27	27-38
11	<b>Jayasena, D. D.</b>	Jung, S., Park, H. B., Lee, J. H., Nam, K. C., Lee, K. H. and Jo, C.	2015	Taste-active Compound Levels in Korean Native Chicken Meat: The Effects of Bird Age and the Cooking Process.	Poultry Sci.	94	1964-1972
12	<b>Jayasena, D. D.</b>	Jung, S., Alahakoon, A. U., Kim, S. H., Nam, K. C., Lee, J. H. and Jo, C.	2015	Bioactive and taste-related compounds in defatted freeze-dried chicken soup made from two different chicken breeds obtained at retail	Journal of Poultry Science	52	156-165
13	Alahakoon, A.U.	<b>Jayasena, D. D.</b> , Ramachandra, S. and Jo, C.	2015	Alternatives to nitrite in processed meat: up to date	Trends Food Sci.	45	37-49

14	Herath I.A.H.M.E.	<b>Jayasinghe, J.M.P., Abeyrathne, E.D.N.S.</b> and Ahn D.U.	2015	Use of lysozyme from chicken egg white as a nitrite replacer in an Italian-type chicken sausage	Functional Food in Health diseases	5(09)	320-330
15	Silva K.A.H.	<b>Abeyrathne E.D.N.S.</b>	2015	Development of high protein drink using poultry eggs.	Sri Lanka Journal of Animal Production	4	38-51
16	Jeewantha, P.D.A	<b>Abeyrathne E.D.N.S.</b>	2015	Incorporation of Salt Extracted Compounds from Yellow Fin Tuna ( <i>Thunnus albacares</i> ) to produce a Fish Flavored Vegetable Burger	Sri Lanka Journal of Animal Production	4	12-27
17	B.K.K.K. Jinadasa	<b>A.S. Mahaliyana, N.P.P Liyanage,</b> G.D.T.M. Jayasinghe	2015	Trace metals in the muscle tissues of skipjack tuna ( <i>Katsuwonus pelamis</i> ) in Sri Lanka	International Journal of Cogent Food and Agriculture	1(1)	1 - 8
18	M.M.P.M. Manthilaka	<b>T.S.R. Fernando, and P.B.A.I.K. Bulumulla</b>	2015	Study on the heritability of litter size and body weight at swine breeding farms in Sri Lanka	Life Sciences International Journal	3(1)	12-15
19	Y.S.L. Kumaranayaka	N.S. Kottarachchi and <b>J.A. Athula</b>	2015	An Approach Towards the Identification of DNA Marker for the Detection of WSSV Resistant Populations in Giant Black Tiger Shrimps, <i>Penaeus monodon</i> Fabricius in Sri Lanka.			
20	Kim, H. J.	<b>Jayasena, D. D.,</b> Yong, H. I., Alahakoon, A. U., Park, S., Park, J., Choe, W. and Jo, C.	2015	Effect of atmospheric pressure plasma jet on the foodborne pathogens attached to commercial food containers	J. Food Sci. Technol	52(12)	8410-8415
21	Alahakoon, A.U.	<b>Jayasena, D. D.,</b> Jung, S., Kim, S. H., Kim, H. J. and Jo, C.	2015	Effects of electron beam irradiation and high pressure treatment combined with citrus peel extract on seasoned chicken breast meat	J. Food Process. Pres	39	2332-2339
22	Lee, H. J.	<b>Jayasena, D. D.,</b> Kim, S. H., Kim, H. J., Heo, K. N., Song, J. E., and Jo, C.	2015	Comparison of bioactive compounds and quality traits of breast meat from Korean native ducks and commercial ducks	Korean Journal of Food Science and Animal Resources	35(1):	114-120
23	Kim, H. J.	Alahakoon, A. U., <b>Jayasena, D. D.,</b> Khan, M. I., Nam, K. C., Jo, C. and Jung, S.	2015	Effects of electron beam irradiation and high-pressure treatment with citrus peel extract on the microbiological, chemical and sensory qualities of marinated chicken breast meat	Korean Journal of Food Science and Animal Resources	42(3):	215-221