



SDI Review Form 1.6

Journal Name:	Asian Journal of Agricultural Extension, Economics & Sociology
Manuscript Number:	Ms_AJAEES_43337
Title of the Manuscript:	Contribution of Animal husbandry to Indian Economy, its characteristics and future: A review
Type of the Article	Review Paper

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	ABSTRACT - This portion needs revision. INTRODUCTION - Information given under sub-headings needs to be mentioned categorically under big headings. - All abbreviations mentioned in draft needs to be elaborated. - Data given in the draft is too old i.e. of 2001-02, 2004, 05; is there any latest data available to be mentioned here? - In the draft information is placed without their respective reference (Placement areas are mentioned below) REFERENCES - Two references mentioned in draft are not present in the reference / bibliography section needs to be incorporated. - Kaware, 2011 (Page 2, Line # 40), and - Consultative expert report, 2006 (Page 5, Line # 148)	Abstract and introduction have been edited. Subheadings are not part of the introduction but will be edited with further suggestions. New data has been incorporated.
Minor REVISION comments	INTRODUCTION Line 17, 18, 19: husbandry is the backbone to these farmers by being an additional steady income. Indian livestock sector is one of the largest in the world with a holding of 11.6% of world according to livestock population 19th Livestock census, 2012. Write instead of above and add reference "husbandry is the backbone in the economy of these farmers, by bringing an additional and steady income. Indian livestock sector is one of the largest in the world with holdings of 11.6% of the world (19th Livestock census, 2012 (Here))." Line 24: million. Livestock act as a storehouse of capital and an insurance against crop production risks, a Write instead of above and add reference "million (Here). Livestock acts as a storehouse of capital insurance against crop production risks, a" Line 27: milk. Traditionally tribes or societies have developed with animals as their livelihood for example Write instead of above "milk. Traditionally specific tribes or societies are known with specific animals as their source of livelihood such as" Line 30: yak related biocultural diversity is at stake (Singh, 2018). Livestock is considered a sign of wealth as Write instead of above "yak related bio-cultural diversity is at stake (Singh <i>et al.</i>, 2018). Livestock is considered a sign of wealth as". Line 31: the farmers who own livestock are found to be better economically than farmers without livestock. Write instead of above "the farmers who own livestock are found to be economically better than farmers without livestock." Line 33: beneficiaries. Livestock provides livelihood to million with little access to land (Kumar, 2008). Few of Write instead of above "beneficiaries. Livestock provides livelihood to million with little access to land (Kumar <i>et al.</i>, 2008). Few of"	All the suggestions line by line has been edited accordingly. Some of the references asked are the authors own language. Will be removed if inappropriate.



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	Line 38, 39: Around 70 % of the population living in rural areas depend on agriculture and allied activities for livelihood hence there is a need for subsidiary occupation like poultry keeping and sheep and goat Write instead of above "Around 70% of the population living in rural areas depend on agriculture and allied activities for livelihood hence there is a need for subsidiary occupation like poultry keeping sheep and goat" Line 40: rearing (Kaware, 2011). Farmers suicides is a worrisome social issue for India today and largely Write instead of above "rearing (Kaware, 2011). Farmers suicides is a worrisome social issue for India today and is largely being" Line 41, 42: blamed on drought. If the household owns bullocks then the odds that it is a household with a suicide victim decreases by 79 per cent (Mishra, 2008). Write instead of above "blamed on drought processing. It is reported that livestock seems to have an influence in overcoming the severity of suicidal trend among Indian farmers up to 79% (Mishra, 2008)." Line 43: Therefore, minimum availability of land for feed and fodder is an important determinant of size Write instead of above "Minimum availability of land for feed and fodder is an important determinant of size" Line 44: of livestock holding. But, given the resources with the land scarce households, the utility of livestock Write instead of above "of livestock holding. Given the resources with the land scarce households, the utility of livestock" Line 56: the livestock. The major share of the credit for India's position as largest milk producing country in the Add reference "the livestock (Here). The major share of the credit for India's position as largest milk producing country (Here)in the" Line 61: cultivation and small herd of goat or sheep is carried out in India. . Most of the goat keepers are either Add reference "cultivation and small herd of goat or sheep is carried out in India (Here). Most of the goat keepers are either" Line 62: landless labourers or small and marginal farmers. Thus, the goat is definitely the animal of the Add reference "landless labourers or small and marginal farmers (Here). Thus, the goat is definitely the animal of the" Line 71: dropping and urine on the farm prove to be a fertilizer for the next crop. Add reference "dropping and urine on the farm prove to be a fertilizer for the next crop (Here)." Line 82: chicken is the most widely accepted meat in India, free from religious taboos. Many Indian families in Add reference "chicken is the most widely accepted meat in India, free from religious taboos (Here). Many Indian families in" Line 86: India is keen on exploring clean energy production avenues attention should be paid on the Rephrase the sentence to get clear information	
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	Line 88: technology provides an excellent opportunity for mitigation of GHG and reducing global warming Write instead of above “technology provides an excellent opportunity for mitigation of green house gases (GHG) emissions and reducing global warming” Line 92, 93: Traditonally dung are used as fuel as upla for cooking and manure. But this dried dung cake is polluting and the same dung if used to make methane will become cleaner fuel. Huge amount of Write instead of above “Traditionally dung are used as fuel as “upla for cooking” and as manure. But this dried dung cake is a source of environmental pollution and the same dung, if used to make methane will become cleaner fuel. Huge amount of” Line 95, 96: schemes like GOBAR- DHAN yojana will help in utilization of dung and farm waste. Following reforms cane help increase remuneration from animal husbandry. Write instead of above and Add reference “schemes like GOBAR- DHAN yojana will help in utilization of dung and farm waste (Here). Following reforms cane help increase remuneration from animal husbandry.” Line 99: 80% of the milk produced is handled by unorganised sector and 20% by cooperate and private Write instead of above “80% of the milk produced is handled by unorganized sector and 20% by corporate and private” Line 103: or ice-cream which today find a ready market and sell on higher cost can be carried out. Export Write instead of above “or ice-cream which today find a ready market and sale on higher cost can be carried out. Export” Line 105: 2004-05. Meat and poultry products accounted for 83 percent of total export earnings (Report of Write instead of above “2004-05. Meat and poultry products accounted for 83% of total export earnings (Report of” Line 107: market. Food processing with milk and meat companies should be made attractive investment Rephrase the sentence to get clear information “How suitable for International market” Line 108: destinations for Make in India initiative and draw FDI. Government schemes like SAMPADA Write instead of above and Add its reference “destinations for make in India initiative and draw FDI (Elaborate, what it stands for). Government schemes like SAMPADA (Here)” Line 110: avail benefits of MSME enterprises. The global demand for meat is predicted to rise by more than Rephrase the sentence to get clear information “How to avail benefits of MSME” Line 111: 55% between 1997 and 2020, with meat production reaching 455 million tons by 2050 (Alexandratos Add reference “55% between 1997 and 2020 (Here), with meat production reaching 455 million tons by 2050 (Alexandratos” Line 112: and Bruinsma, 2012).Women and farmers in livestock sector have to be educated on utilizing the Write instead of above “and Bruinsma, 2012).Women and farmers in livestock sector need to be educated on utilizing the”	
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	Line 114: Focus on livestock products and their inclusion in manufacturing sector can improve the economy Write instead of above "Focus on livestock products and their inclusion in manufacturing sector can improve Indian economy" Line 115: which is already agro and livestock based. Add reference "which is already agro and livestock based (Here)." Line 117: Global warming and climate change are the burning topics and concern for the world. Ambient Write instead of above "Global warming and climate change are the burning topics and concern for the whole world. Ambient" Line 118: temperature of the earth is said to rise by 1.5- 2 °C and extreme climatic conditions are experienced Write instead of above "temperature of the earth is said to rise by 1.5- 2 °C and extreme climatic conditions are being experienced." Line 119: as a result of climate change. Frequency of occurrence of floods and drought has increased. The Write instead of above "As a result of climate change occurrence of floods and drought frequencies has increased. The" Line 123: ambient temperatures. Reasearch have proved that Indigeneous breed like Tharparkar , Gir , Sindhi, Write instead of above "ambient temperature is the need of time. Research had proved that Indigenous breed like Tharparkar, Gir, Red Sindhi," Line 124: etc the favored A2 variant of β- caesin (Mishra <i>et al.</i>, 2009). Rephrase the sentence to get clear information "As text is missing some part" Line 130: Landless and marginal farmers have the majority of livestock holdings and are a vital source of Write instead of above "Landless and marginal farmers have the majority of livestock holdings, which are vital source of" Line 132: large expense. Veterinary Health Care is to be accessible and door step treatment should be Write instead of above "large expense. Veterinary Health Care needs to be accessible and door step treatment should be" Line 135: cure and known but delivery problems arise (Upton, 2004). Certain state governments in India are Write instead of above "cure are known but delivery problems exist (Upton, 2004). Certain state governments in India are" Line 138: 2003). The productive potential of animals depends crucially on the quality of nutrition, genetic Write instead of above "2003). The production potential of animals depends crucially on feed quality, genetic potential" Line 139: material and the animal health system, and on all these counts, India has a poor record. The public Write instead of above "and animal health services system. On all these counts, India has a poor record. The public"	
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	Line 145: forewarning app have been developed to increase digitalization. Any ICT intervention that improves Elaborate it “forewarning app have been developed to increase digitalization. Any ICT intervention that improves” Line 146: the livelihoods of poor rural families is likely to have significant impacts (direct and indirect) on Write instead of above “the livelihoods of poor rural families is likely to have significant direct and indirect impacts on” CONCLUSION Line 155: Agriculture and animal husbandry have been a part of Indian economy for any years. An agrarian Write instead of above “Agriculture and animal husbandry have been a part of Indian economy since long agriculture” Line 156: based economy and real development can be realised only by developing farmers whose shoulder of Write instead of above “based economy real development can be achieved only by developing farming community who raise” Line 157: support has been livestock. En number of poverty alleviation programmes of the government won't be Write instead of above “livestock as main component. Poverty alleviation programmes of the government won't be” Line 158: successful until and unless focus of investment of the governmental policies is Agriculture and animal Write instead of above “successful until and unless focus of investment of the governmental policies is not agriculture and animal” Line 159: husbandry. India's real development will be realised only when agro- livestock sector receives highest Write instead of above “husbandry. India's real development will be achieved only when agro- livestock sector receives highest” Line 160: investment with latest technologies and revival of traditional knowledge. The jobless growth of the Write instead of above “investment priorities with latest technologies incorporated with traditional knowledge. The growth in jobless” Line 161: nation cannot be corrected unless the largest employer that is agriculture gets the kind of investment Write instead of above “cannot be curtailed unless, the largest national employment sector that is agriculture gets the kind of investment” Line 162, 163: attributed to industrialization. Till then the economic disparity will only widen. The rich are growing richer as our famers grow poorer. Rephrase the sentence to get clear information REFERENCES Line 206: Write GoK before Government of Kenya (2009) Human population census report. Ministry of planning and vision (2030) in reference section	
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Optional/General comments	TOPIC “Contribution of Animal husbandry to Indian Economy, its characteristics and future: A review” can be changed by “Animal husbandry contribution to Indian Economy, its characteristics and future: A review” OR BY “Livestock & Dairy sector contribution in Indian Economy, its characteristics and future: A review”	Topic changed as suggested.
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