# Review analysis on livestock & protein sourcing for food security & carbon emission by sustainable, low cost, emission free, green technologies.

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## Abstract

Climate change, one of the major concerns of the world order, has now been deteriorated due to livestock and agriculture industries. As it is threatening to harm the natural course of climate. Which affects the natural habitat of animals. The sourcing of protein from animal husbandry itself is one of the main polluter or contributors (ratio near about 1:5) of CNC (Condensation Nucleus Counter) emission and global warming. This paper is solving concerning this issue by developing a sustainable, cost-effective, and climate-proof process of protein harvesting. The purpose of this review paper is to measure the carbon footprint of livestock industries and now much of it can be reduced by technology (example: Hydroponic fodder system, renewable source of energy, Modern design, Chemical free feed, Automation). Using cross-sectional analysis, the ratio of the traditional way of animal husbandry and its carbon emission, from year range 1960 – 2021 and create a difference by introducing self-contained & modern methodology (mentioned in example) in livestock. The highly demandable and huge industry (near 17% of $400 Billion of Agricultural commodities) and others (Feed production, Transportation, Energy need) play the greatest role in facilitating climate change. So, even a little percent reduction (minimum of .01% to 1%) of CNC will result in a huge Margin preventing emission. As the livestock industries are the greatest contributor (near about 17%) to climate change. Also, now it is one of the greatest affected industries by climate. The main challenge is to save the industry from this adverse effect of climate and also prevent the industry to make the situation worse.

## Keywords

Livestock, Food, Climate Change, Hydroponic Fodder, Carbon Emission, Design, Automation, Sustainable, Renewable Energy.

## Recent Publications

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## Biography

A B.Sc. Mechanical Engineering student at the China University of Mining & Technology with strong academic achievements and volunteering experience. Possess strong advising, analytical and communication skills. Keen to pursue a career in research and development. Also works in green energy & Carbon credit systems.

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