**Global Bioremediation Research Output on Top Ten Cited Articles: An Altmetrics Analysis**

**By**

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**Abstract:**The availability of research on the social web is an important factor in determining its societal impact. The inability of traditional citation-based metrics to provide a complete picture of web-based scholarly content has given rise to alternative or to better say the complementary way of measuring the impact of research, Altmetrics has turned into a trailblazer and got a decent arrangement of consideration by specialists associated with the assessment of logical research. The current study attempts to analyse the top 10 cited articles in bioremediation research. It aims to find out to what extent the top cited articles have secured Altmetrics scores. Analysis of Spearman Rank correlation metrics shows less correlation between the ranks of citations and Altmetrics scores. The Mendeley is the major media through which bioremediation scholarly communication is highly disseminated. The major reader’s geographic distribution is unknown. Regarding the category of readers. Ph.D. students dominate, followed by researchers and master’s students. Agricultural and biological science is the major discipline in accessing the bioremediation research content in social media, followed by chemical science and environmental science.

**Keywords:** Altmetrics, Tweeter, Mendeley, Spearman Rank Correlation and Bioremediation.

**SUSTAINABLE DEVELOPMENT SOLUTIONS: IMPORTANCE AND APPLICATION (SDS). RESTORING THROUGH ZERO BUDGET NATURAL FARMING SYSTEMS TO PROTECT, FUTURE GLOBAL RESPONSIBILITY FOR GREEN REVOLUTION: A RESEARCH**

By

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**Abstract:** The traditional farming method named zero budget natural farming is the unique approach and startup solution for the green revolution. I thought forests do not require human assistance for their existence and growth, but they feed the forest inhabitants and fulfil the former demand of rain to cultivate agro products for their requirements. The natural forest leads the farmers to utilize organic pesticides and fertilizers. The Green Revolution was traditional agro methods of the tribe’s farmers started from kouthilyas Arthasastra periods. Arthasastra is a work on practical covers social life, plant kingdom, animal world, agriculture production, minerals, metals, irrigation, pricing, and marketing of agro products and providing adequate infrastructure to the agriculture sector. Evidently, as in other spheres, Arthasastras are presently applicable to the agriculture sector to reduce the suicides of indebted farmers in India. Sustainable farming focuses on increasing the agro inputs without using pesticides to cultivate and monitor crop health and soil, now it’s called Organic products. Organic agriculture schemes ensure the usage of organic agriculture inputs. Organic products reduce the risk and enhance food security. Systematic plowing, manuring, weeding, irrigation, and crop protection were practiced for sustained agriculture in India, it’s considered one of the oldest water-regulation structures in the world that is still in use. The New Green Revolution farming methods started with the chemical inputs of agro production may increase but soil and yielding totally disturbed and uncountable diseases created to the human. From past experiences, agro scientists declared to follow traditional cultivation systems and advised to stop artificial pesticides and fertilizers. This is a retransformation of agro-system input to ancient period methods. The objective of the project study is to encourage integrated and pure organic farming and traditional food preservation systems for sustainable development and use some practical methods and workshops. The desk research study elaborately discussed the national implementation policy of health and economic contribution to protecting the livelihood for the future endeavour from agro products. The implementation of a new sustainable policy importance is environmental protection, food preservation, resilience, value of natural resources, weather awareness guidelines, renewal of energy, and international cooperation for the next generation. The COVID 2019 crisis has been a concrete lesson on the interdependency between the different elements of sustainability from ecosystem integrity to health and well-being and socio-economic prosperity that follows: developing countries to realize the goals of each and every crisis of poverty, hunger health, environment, industry, gender equality, clean water and sanitation energy, economic growth, innovation, industry infrastructure, sustainable cities, life below water, peace justice and strong education institutions, schedule to meet the goals, the global call for action to protect everywhere an enjoy peace and prosperity, it would be equally successful for achieving green development toward a more sustainable and resilient environment with the other departmental cooperation of worldwide countries.

***Key words: -*** Ecological and Environmental Sustainability-Economic threat and recession to exacerbate extreme poverty- sustainable development Goal and Solution-Traditional Cultivation Farming-Soiling-Manuring-Weeding- Plant Kingdom, Ecosystem-Poverty-Prosperity. Soil health, Astras, Credit, Input, Jeevamrith, Beejaamirtha, waaphasa, Acchadan or mulching, chemical.