Mitigating Climate Change Through Lab Driven Evolution Backed by Artificial Intelligence

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Abstract: Current renewable energy revolution is good but not fast enough. Lab driven revolution along with artificial intelligence might also be valuable.

Keyword: Climate change, Renewable revolution, Lab driven revolution, Artificial intelligence

Climate change as we already know is a big challenge which if not reduced will make our planet unsustainable for life in next 30 to 50 years. Climate scientists have cautioned to world that we have only 20 years before there's no turning back.1 So the question is how to reduce this threat of climate change. People and government all over the world are aware of the problem and devising strategies and actions to decrease it like focusing on renewable energy revolution, however it's scale and rapidity needs much to be desired.

In the article, the author is looking into this from a slightly different and relatively newer perspective. Firstly let's turn our attention towards wood or timber. It's important because million of times are being cut to meet the ever increasing need of wood for paper, furniture etc. We can reduce the requirement of wood through changing people perception and behaviour for example requirement of paper for publishing books can be decreased by increasing the use of search engine like Google. Books are primarily a source of information and knowledge which is same as any mobile or computer with all the data stored in it or can be searched by internet.

Since books can be equated with mobile, why publish so many books and thereby cut trees which leads to global warming. Many other examples take for instance the Hindu tradition of burning dead bodies which require timber but can alternatively be done through electric crematorium & thereby preveventing the annual cutting of 300 million trees in this tradition alone. Other examples can be illustrated but people's behaviour will change slowly while climate deterioration may proceed faster. So the way out could be the use of technology of lab growing wood. Lab grown wood or timber has been proved to be made using 3D printing etc. It's been a year since MIT researchers have shown that it can be done. The only thing left is it's scale, reach and price. These challenges can be addressed by adequate finding and supportive organisational policies which are need of hour and hopefully required things will be done. Similarly, other products like lab grown cotton might reduce the demand of cotton for clothing as natural cotton production utilises a lot of resources like fertile topsoil, water etc.

Likewise, lab grown meat, dairy & other food products would help in meeting the dietary requirements of population world-wide. Lab grown near everything might be the only way to attain a sustainable world.2

Also, catastrophic climate alteration can also occur due to use of weapons which can be better managed by the use of Artificial Intelligence Technology.

Artificial Intelligence has the potential to transform our daily lives on an unprecedented magnitude, however, few intellectuals are cautioning that artificial Intelligence may outsmart us if it goes conscious. Even if it were to go conscious, how it will overnight become more aware, wise, witty and simultaneously acquire hundred other human qualities including even foolishness.

Even if we assume that artificial Intelligence has all the capabilities, still it would need a network of thousands of interconnected computers, robots etc. and develop its own secretive language to pose any risk to mankind.
So to sum up, lab driven revolution along with artificial intelligence would be helpful in reducing the present threat of climate change.

References
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No conflict of Interest.