

# Secondary Resources Innovation: Sustainable Green Technology Development to Mitigate the Climate Change †

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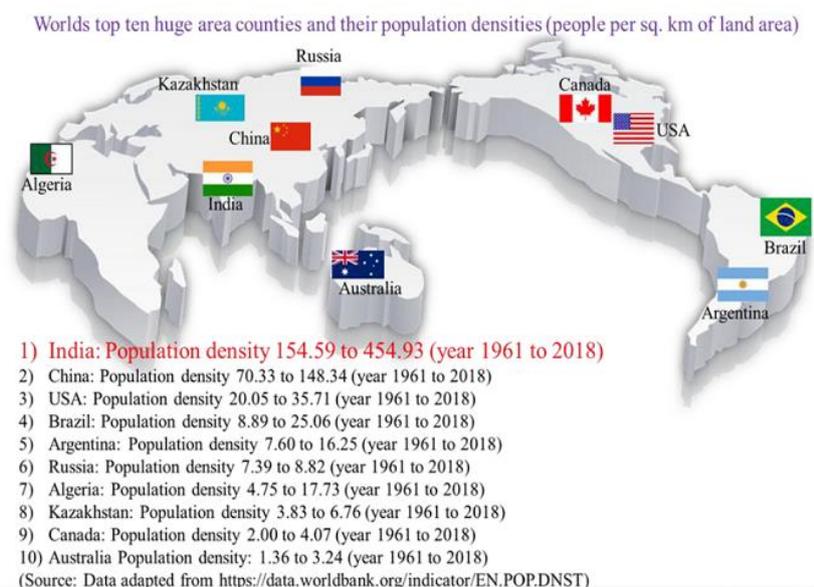
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**Abstract:** In the new millennium all over the globe, the human lifestyle has been changing by the constant development of high-technology devices for daily life. In addition, the younger generations tend to change their end-use devices more frequently than previous generations resulting in an increase of waste to be disposed of and treated. CO<sub>2</sub> emissions are increasing day by day, which leads to climate change and global warming. Human-made waste play is significantly detrimental not only for living things' health but also generate environmental damage. The major human-made waste categories are four types such as mining waste, electronic waste, municipal solid waste, and spent catalysts. Decades back, Mr. Dennis L. Meadows and his co-authors wrote the book [1] on the limits to growth; they said in this book that planet Earth has limited resources while consumption of metals and petroleum was increasing due to population increase as well as an increase in human needs. They estimated and predicted that by the year 2100, the situation of industrial output would increase, and resources will continuously be in a decreasing trend. Urban mining is the ultimate secondary resource of precious and rare earth metals to achieve certain national demands of developed and developing countries [2].

**Keywords:** green technology; CO<sub>2</sub> emission; climate change.

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**Figure 1.** Motivation to propose green technologies to mitigate climate change issues.

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## **Conflicts of Interest**

The authors declare no conflict of interest.

## **References**

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