

Impacts of Environmental Science in Biodiversity Conservation

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Abstract : Environmental science deals with everyday challenges such as a call for good and safe quality air, water, food and healthy living conditions which include destruction of biodiversity and how to conserve these natural resources for sustainable development. Biodiversity or species richness is the sum of all the different species of animals, plants, fungi and microorganisms living on earth and variety of habitats in which they live. Human beings live on plants and animals on a daily basis for food, clothing, medicine, housing, research and trade or commerce; besides this, biodiversity serves to purify the air, water and land of contaminants, and recycle useful materials for continual use of man. However, man's continual incessant exploitation and exploration has affected biodiversity negatively in many ways such as habitat fragmentation and destruction, introduction of invasive species, pollution, overharvesting, predation and pest control amongst others. Measures such as recycling material, establishing natural parks, sperm bank, limiting the exploitation of renewable resources to sustainable yield and urban and industrial development as well as prohibiting hunting endangered species and release of non-native live forms into an area will go a long way towards conserving biodiversity for continued profitable yield.

Keywords : biodiversity, conservation, exploitation and exploration, sustainable yield, recycling of materials

Conference Title : ICSRD 2020 : International Conference on Scientific Research and Development

Conference Location : Chicago, United States

Conference Dates : December 12-13, 2020