



Title: The marine plastic pollution of Pakistan first marine protected area Astola Island: Environmental effects of plastic on endangered green turtles and also identified plastic effects on residents of Astola Island by examining their faeces.

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Abstract : Plastic pollution is interlinked with other global, national and local environmental problems and development challenges such as loss of biodiversity, climate change, global warming. Astola Island is a very rich biodiversity hotspot, acknowledged as the first marine protected area in Pakistan June, 2017. The Green turtle are considered as endangered species, listed in IUCN red list. Plastic ingestion is growing global problem which affects biodiversity on earth. There is also a saw-scaled viper, endemic to island and it is the home to a variety of bird's. Working in collaboration will be essential if we are address the issue of marine litter and plastic mismanagement. Plastic breakdown into smaller pieces called micro plastic pose an emerging food security concerns and human health related diseases. Tourism activities can adversely affect the environment in case of mass tourism pollution by lodges, human encroachment due to tourism activities all over world. There is no silver bullet to solve this health crises but all solutions must ultimately reduce the production and use of plastic.



Biography : I am currently enrolled in M.Phil Environmental sciences (Chemistry) in Fatima Jinnah Women University, The Mall Rawalpindi Pakistan. I belong to Azad Jammu and Kashmir. I have done B.S (Hons) in Chemistry from University of Azad Jammu and Kashmir Muzaffarabad. I have one year teaching experience and also work as a volunteer in different events related to my studies.

Publications : The marine plastic pollution of Pakistan first marine protected area Astola Island: Environmental effects of plastic on endangered green turtles and also identified plastic effects on residents of Astola Island by examining their faeces.

[3rd Annual Congress on Environmental Pollution and Health.](#)