ENVIRONMENTAL PATHOLOGY AND HEALTH: GREEN MEDICINES FOR MENTAL AND ENVIRONMENTAL PATHOLOGY

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Abstract: The green medicines are known as pharmaceuticals, neuraceuticals, cosmaceuticals and terms coined presently are psychoceuticals and neuroceuticals. Specific green medicines for mental pathology concerning hypertension, giddiness, Alzheimer disease, dementia, schizophrenia, CNS effects, insanity, brain tumors, thrombosis, neuropathy, retinopathy, transient ischemic attacks, will be presented. Green medicines for Environmental pathology: Many aquatic plants absorb metal pollutants in reducing metal toxicity in water pollution control. The transfer of metals to water bodies and biota occurs due to phenomena: bioconcentration, bioaccumulation and biomagnification and so on. Lead and Copper are absorbed in different ranges by Elodea canadensis, Littorella uniflora, Myriophyllum alternifolium, Potamogeton crispus, P. perfoliatus. Bioindicators of metals are Ceratophyllum demersum, Myriophyllum spicatum, Potamogeton pectinatus, P. perfoliatus, Zanichellia palustris, Hydrilla verticillata (cadmium uptake), Vallisneria spiralis. Trace metal and heavy metal absorbers and uptakers are Eichhornia crassipes, and duck weeds. Cadmium uptake by tomato cultivars and arsenic by Garcinia gambosa was also observed. Constructed wetlands for water pollution control are a noted technique. Phalaris arundinacea, Baumea articulata, Carex fascicularis, Phylidium languinosum, Schoenoplectus mucronata, Arundo donax, Typha angustifolia are a few that received trials. Further work is pending in enriching this list. Several Brassicaceae have been identified as Hydro enviroceuticals. Likewise literature shows data on Aeroceuticals, Geoceuticals. A number of chemoceuticals isolated from native plants as potential Green Medicine Research will be discussed in this paper.