

Pesticide Contamination in some lakes of Rajasthan

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Abstract

Beawar is situated at a distance of 50 km south west of Ajmer district. This town accommodates a number of freshwater bodies in which are Jalia/Phool sagar and Bicherli. Jalia pond is selected for studies. Jalia pond is natural and perennial pond of shallow fresh water, located on the bank of irrigation pond called Jalia (Phool sagar). Jalia pond is situated between 7 villages. Initially the water of pond was clean and used for drinking purposes, irrigation and other domestic use. These days the water of pond is not used for drinking purpose but is used for bathing, washing, irrigation, sewage discharge and waste thrown by people which disturb the ecobalance of the pond. A large area of catchment is used for agriculture and for vegetable crops. Such activities lead to input of agrochemicals particularly pesticides. The water quality of lake was studied for assessing input of pesticides. The study reveals that water is with synthetic pesticides. The concentration of pesticides were higher in summer than in rainy season. Efforts are needed conserve the wetlands and impact of agrochemical on lake ecosystem.

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Biography:

Dr Rashmi Sharma studied at Department of Zoology, S P C Govt College Ajmer at Rajasthan, India

Speaker Publications:

1. “Trend of Internet Use among Medical Students”; semantic. / 2006 / 75628268.

2. “The Knowledge, Attitude and Practices regarding HBV Infection of Married Women in the Reproductive Age