

Diversity and richness of fresh water and terrestrial gastropod snail species in Tirunelveli and Tuticorin districts of Tamilnadu

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Survey on the distribution of gastropod snails in Tirunelveli and Thoothukudi Districts revealed twelve fresh water species namely *Pila globosa*, *Thiaratu berculata*, *Paludomus tanschauricus*, *Paludomus annandalei*, *Paludomus inflatus*, *Corbicula striatella*, *Bellamyia dissimilis*, *Stenothyra blanfordiana*, *Brotia costula*, *Indoplanorbis exustus*, *Lymnaea luteola* and *Physunio ferrugineus* and five terrestrial species namely *Cryptozona semirugata*, *Trachia vittata*, *Ariophanta thyreus var ryssolemma*, *Acatina fulica* and *Laevicaulis alte*. The present investigation was carried out to evaluate the richness and biodiversity of the above mentioned snails. The mean Simpson's Richness Index was 13 species out of 100 individuals. The mean Species Diversity Index H was 1.0018 and the mean Pielou's Evenness index was 0.04795. This study provides basic data for further studies on the distribution of these species and conservation of these molluscs in the study areas.

KEY WORDS:

Fresh water snail, Terrestrial snail, Richness and Diversity Indices.