

bet fans

<p>Abstract</p>

<p>Snail's embryotoxicity test is a suitable approach for toxicity ass

ay of traditional and emerging pollutants, environmental risk assessment, as wel

l as screening and development of new molluscicides. Among the snail

species, *Biomphalaria* spp. has been indicated as a promising model system

for developing standardized test protocols for assessing the chemical toxic

ity using early developmental stages. Thus, the current study aimed to

review the data available in the scientific literature concerning the experime

ntal approach, type of chemicals and the response of multiple biomark

ers (survival, hatching rate, development delays, morphological and behavior cha) Tj T* BT /F

that the use of *Biomphalaria* embryos to assess chemical toxicity began in 1962.

Snail's embryotoxicity test was applied mainly for analyzing the

toxicity and development of new molluscicides, while its use in ecotoxicologica

l studies is emerging. *Biomphalaria glabrata* was the main species ana

lyzed. Embryos exposed to chemicals showed bioaccumulation, mortality, hatching

inhibition, development delays, and morphological malformations, which were

classified into four categories (hydroptic, shell, cephalic and unspecific) Tj T* BT /F1 1

are indicated. Overall, the results showed that the *Biomphalaria* emb

ryotoxicity test (BET) is a suitable tool for toxicity and health risk assessmen

t.</p>

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