

Ecological and psychological behavioral studies on vertebrates such as birds

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Predation behaviour of the carrion crow (*Corvus corone*) on the apple snail (*Pomacea canaliculata*)

There are regional differences in the predation behaviour of crows; a) they crack the shell directly with their beak, or b) drop the snail onto the ground to break the shell.

My research involves animal learning and adaptive behaviour from both ecological and psychological perspectives, with a particular focus on the carrion crow. Crows have opportunities to learn novel behaviours through interactions with others. I investigate how crows learn and how this learning spreads among individuals. I also study the cascading effects of the crow's predation on the entire ecosystems, as well as the potential role of crows in managing invasive species.

Keywords: learning, adaptive behaviour, species interaction, indirect effects, alien species control