



Concealing Coloration in Animals (Hardback)

By Judy Diamond, Alan B. Bond

HARVARD UNIVERSITY PRESS, United States, 2013. Hardback. Book Condition: New. 211 x 147 mm. Language: English . Brand New Book. The biological functions of coloration in animals are sometimes surprising. Color can attract mates, intimidate enemies, and distract predators. But color patterns can also conceal animals from detection. Concealing coloration is unusual because it is an adaptation not only to the visual features of the environment but also to the perceptual and cognitive capabilities of other organisms. Judy Diamond and Alan Bond bring to light the many factors at work in the evolution of concealing coloration. Animals that resemble twigs, tree bark, stones, and seaweed may appear to be perfect imitations, but no concealment strategy is without flaws. Amid the clutter of the natural world, predators search for minute, telltale clues that will reveal the identity of their prey. Predators have remarkable abilities to learn to discriminate the fake from the real. But prey have their own range of defensive tactics, evolving multiple appearances or the ability to change color at will. Drawing on modern experimental evidence of the functional significance of animal color strategies, Diamond and Bond offer striking illustrations of how the evolution of features in one organism...



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