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Descrizione fisica	1 online resource (XV, 413 p. 362 illus., 361 illus. in color.)
Disciplina	571.31
Soggetti	Animal anatomy Invertebrates Vertebrates Animal systematics Animal taxonomy Animal Anatomy / Morphology / Histology Animal Systematics/Taxonomy/Biogeography
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Part I Invertebrates -- Cnidaria -- Stereomicroscopic examination of a Hydra sp. -- Light microscopic view of a section through wall of Hydra sp. -- Flatworms (Platyhelminthes) -- Stereomicroscopic examination of a Planaria sp. -- Light microscopic view of sections of Planaria sp. (body wall, and eye) -- Roundworms (Nematoda) -- Dissection of Ascaris suum -- Histological sections of Ascaris suum (body wall, intestine, male and female gonads) -- Annelids -- Dissection of an earthworm (Lumbricus sp.) -- Histological sections of an earthworm (cross section and longitudinal section) -- Molluscs -- Dissection of a snail (Helix sp.) -- Histological sections of a snail (Helix sp.) (mantle edge, heart/lung/kidney, digestive gland, and eye) -- Dissection of a mussel (Anodonta sp.) -- Histological sections of a mussel (Anodonta sp.) (gills and total cross section) -- Arthropods -- Crustaceans -- Dissection of a crayfish (Astacus sp.) -- Histological sections of a crayfish (Astacus sp.) (digestive gland) -- Insects -- Dissection of a cockroach (Blaberus sp.) -- Histological sections of a cockroach

(Blaberus sp.) (gizzard, intestine/cecae, Malpighian tubules, trachea, and fat body) -- Part II Vertebrates -- Fishes -- Dissection of a crucian (Carassius sp.) -- Formalin-fixed specimens (heart, stomach, intestine) -- Histological sections (skin/operculum, mouth mucosa, gills, and kidney) -- Amphibians -- Dissection of a frog (Rana sp.) -- Formalin -fixed specimens (heart, stomach, intestine) -- Histological sections (skin, lung, kidney, intestine, and ovary) -- Birds -- Dissection of a chicken (Gallus sp.) -- Formalin -fixed specimens (heart, stomach, intestine) -- Histological sections (skin, preen gland, and lung) -- Mammals -- Dissection of a rat (Rattus sp.) -- Formalin -fixed specimens (heart, stomach, intestine) -- Histological sections (sinus hair, fingertip, trachea, lung, salivary gland, stomach, liver, pancreas, blood, ovary, uterus, testis, and epididymis) -- Index.

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## Sommario/riassunto

This atlas presents the basic concepts and principles of functional animal anatomy and histology thereby furthering our understanding of evolutionary concepts and adaptation to the environment. It provides a step-by-step dissection guide with numerous colour photographs of the animals featured. It also presents images of the major organs along with histological sections of those organs. A wide range of interactive tutorials gives readers the opportunity to evaluate their understanding of the basic anatomy and histology of the organs of the animals presented. .

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