## **TABLE OF CONTENTS**

## Cardio-Respiratory Control in Vertebrates: Comparative and Evolutionary Aspects

- Overview of the respiratory system / S.C. Wood
- Control of respiration in aquatic vertebrates: Gas transport and gill function in water-breathing fish / S.F. Perry ... [et al.].
- Patterns of acid-base regulation during exposure to hypercarbia in fishes / C.J.
  Brauner and D.W. Baker.
- Buoyancy control in aquatic vertebrates / B. Pelster. Gas exchange and control of respiration in air-breathing teleost fish / M.L. Glass and F.T. Rantin.
- Effects of temperature on cardiac function in teleost fish / A.L. Kalinin ... [et al.].
- Physiological evidence indicates lungfish as a sister group to the land vertebrates / M.L. Glass.
- Aestivation in amphibians, reptiles, and lungfish / M.L. Glass, J. Amin-Naves, and G.S.F. da Silva
- Evolution of pulmonary mechaincs and respiratory control: Trade-offs in the evolution of the respiratory apparatus of chordates / S.F. Perry, W. Klein, and J.R. Codd.
- Environmental selection pressures shaping the pulmonary surfactant system of adult and developing lungs / S. Orgeig and C.B. Daniels.
- Midbrain structures and control of ventilation in amphibians / L.H. Gargaglioni and L.G.S. Branco.
- Comparative aspects of hypoxia tolerance of the ectothermic vertebrate heart / H. Gesser and J. Overgaard.
- Control of the heart and of cardiorespiratory interactions in ectothermic vertebrates / E.W. Taylor and T. Wang.
- The endocrine-paracrine control of the cardiovascular system / B. Tota and M.C. Cerra.
- Stoking the brightest fires of life among vertebrates / Raul K. Suarez and Kenneth C. Welch
- Respiratory physiology of birds: metabolic control: Prenatal development of cardiovascular regulation in avian species / J. Altimiras, D.A. Crossley II, and E. Villamor.

- Control of breathing in birds : implications for high-altitude flight / G.R. Scott and W.K. Milsom
- Mammalian and human physiology: Peripheral chemoreceptors in mammals : structure, function and transduction / P. Kumar.
- Central chemosensitivity in mammals / L.K. Hartzler and R.W. Putnam.
- Human exercise physiology / S. Volianitis and Niels H. Secher.