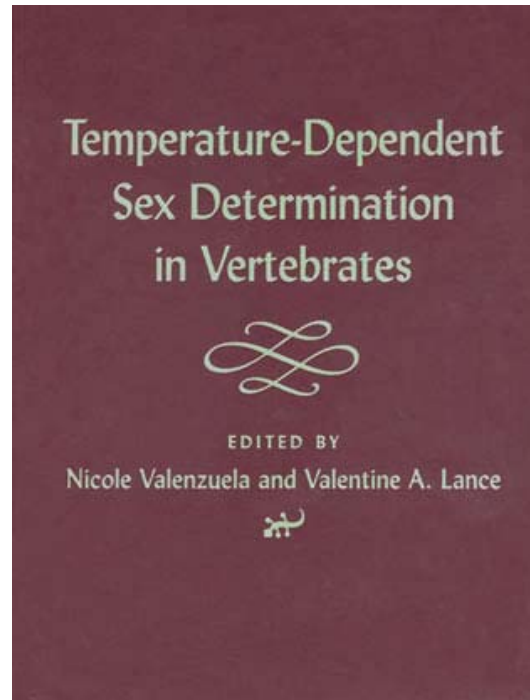


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# Temperature-dependent Sex Determination in Vertebrates

ISBN 1-58834-203-4

Edited by Nicole Valenzuela and Valentine Lance

One of the hottest topics in evolutionary biology and conservation biology for decades, temperature-dependent sex determination (TSD) was discovered in the 1960's, yet no book has ever before been devoted entirely to the subject. Edited and authored by many of the world's foremost authorities on the subject, this is a comprehensive work that compiles, analyzes and integrates existing information about this field. The volume encompasses a series of reviews of what is known about ecological, physiological, molecular, and evolutionary aspects of TSD, bringing together—for the first time—the diversity of issues related to this sex-determining mechanism and synthesizing the vast amount of literature from multiple disciplines. The book includes new data not published elsewhere and is organized in four thematic sections: "Prevalence of TSD in vertebrates"; "Thermal effects, ecology and interactions"; "Evolutionary considerations"; and a "Conclusions" chapter.

**Nicole Valenzuela** is an evolutionary ecologist specializing in sex determination, life-histories, and conservation of reptiles. She is a faculty member at Iowa State University. **Valentine Lance** is a leading endocrinologist specializing in sex determination and vertebrate reproduction. He is a faculty member at San Diego State University.

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