

Contents

Foreword	XIII
Estrogen and Human Breast Cancer <i>Y.F. Hu, I.H. Russo, J. Russo</i>	1
The Role of Sex Hormones in Prostate Cancer <i>M.C. Bosland</i>	27
Beneficial and Adverse Effects of Dietary Estrogens on the Human Endocrine System: Clinical and Epidemiological Data <i>D.M. Tham</i>	69
Mechanism-Based Carcinogenic Risk Assessment of Estrogens and Estrogen-Like Compounds <i>B.A. T. Willems, C.J. Portier, G. W. Lucier</i>	109
Alterations in Male Reproductive Development: The Role of Endocrine Disrupting Chemicals <i>S.H. Swan, F.S. vom Saal</i>	131
Effects of Perinatal Estrogen Exposure on Fertility and Cancer in Mice <i>R.R. Newbold</i>	171
Genotoxic Potential of Natural and Synthetic Endocrine Active Compounds <i>M. Metzler</i>	187
Emerging Issues Related to Endocrine Disrupting Chemicals and Environmental Androgens and Antiandrogens <i>L.E. Gray Jr., C. Lambright, L. Parks, R. W. Tyl, E.F. Orlando, L.J. Guillette Jr., C.J. Wolf, J.C. Seely, T.-Y. Chang, V. Wilson, A. Hotchkiss, J.S. Ostby</i>	209
Developmental and Reproductive Abnormalities Associated with Endocrine Disruptors in Wildlife <i>E.F. Orlando, L.J. Guillette Jr.</i>	249
Endocrine Disruption in the Aquatic Environment <i>J.P. Sumpter</i>	271
Subject Index of Part I and Part II	291

Contents of Part I

Mechanisms of Estrogen Receptor-Mediated Agonistic and Antagonistic Effects

S. O. Mueller, K. S. Korach

In Vitro Methods for Characterizing Chemical Interactions with Steroid Hormone Receptors

K. W. Gaido, D. P. McDonnell, S. Safe

Antiandrogenic Effects of Environmental Endocrine Disruptors

W. R. Kelce, E. M. Wilson

Chemistry of Natural and Anthropogenic Endocrine Active Compounds

M. Metzler, E. Pfeiffer

Exposure to Endogenous Estrogens During Lifetime

J. Dötsch, H. G. Dörr, L. Wildt

Dietary Estrogens of Plant and Fungal Origin: Occurrence and Exposure

W. E. Ward, L. U. Thompson

Alkylphenols and Bisphenol A as Environmental Estrogens

C. M. Markey, C. L. Michaelson, C. Sonnenschein, A. M. Soto

Hydroxylated Polychlorinated Biphenyls (PCBs) and Organochlorine Pesticides as Potential Endocrine Disruptors

S. Safe

The Endocrine Disrupting Potential of Phthalates

C. A. Harris, J. P. Sumpter